

ALLEGHENY TECHNOLOGIES INC

Form 424B5

July 10, 2013

Table of Contents

CALCULATION OF REGISTRATION FEE

Title of each class of securities offered	Amount to be registered	Maximum offering price per unit	Maximum aggregate offering price	Amount of registration fee⁽¹⁾
5.875% Senior Notes due 2023	\$500,000,000	100%	\$500,000,000	\$68,200

(1) The filing fee of \$68,200 is calculated in accordance with Rule 457(r) of the Securities Act of 1933, as amended.

Table of Contents

Filed Pursuant to Rule 424(b)(5)
Registration No. 333-181770

PROSPECTUS SUPPLEMENT

(To Prospectus Dated May 30, 2012)

\$500,000,000

Allegheny Technologies Incorporated

5.875% Senior Notes due 2023

We are offering \$500,000,000 aggregate principal amount of our 5.875% Senior Notes due 2023 (the notes). The notes will mature on August 15, 2023. Interest will accrue from July 12, 2013, and the first interest payment date will be February 15, 2014.

The interest rate payable on the notes will be subject to adjustment from time to time if the ratings assigned to the notes are downgraded (or subsequently upgraded) under the circumstances described under Description of Notes Interest Rate Adjustment Based on Rating Events.

We may redeem the notes in whole or in part at any time at the applicable redemption prices set forth under Description of Notes Optional Redemption. We must offer to repurchase the notes upon the occurrence of a change of control triggering event at the price described in this prospectus supplement in Description of Notes Purchase of Notes upon a Change of Control Repurchase Event.

The notes will be our senior unsecured obligations, ranking equally in right of payment with all of our existing and future senior unsecured indebtedness and senior to our future subordinated indebtedness. The notes will be effectively subordinated to our existing and future secured indebtedness to the extent of the value of the assets securing that indebtedness and to the existing and future indebtedness and other liabilities of our subsidiaries. We conduct a significant portion of our business through our subsidiaries. None of our subsidiaries will guarantee the notes.

You should read this prospectus supplement and the accompanying prospectus carefully before you invest in our notes. Investing in our notes involves a high degree of risk. See Risk factors beginning on page S-8 for a discussion of certain risks that you should consider in connection with an investment in the notes.

Neither the Securities and Exchange Commission nor any state securities commission has approved or disapproved of these notes or passed upon the adequacy or accuracy of this prospectus supplement or the accompanying prospectus. Any representation to the contrary is a criminal offense.

	Price to Public	Underwriting Discounts	Proceeds to Allegheny Technologies (before expenses)(1)
Per Note	99.991%	0.650%	99.341%
Total	\$ 499,955,000	\$ 3,250,000	\$ 496,705,000

1 Plus accrued interest, if any, from July 12, 2013.

The notes will not be listed on any securities exchange or automated quotation system.

We expect that delivery of the notes will be made to investors in book-entry form through The Depository Trust Company for the accounts of its participants, including Clearstream Banking, *société anonyme*, and Euroclear Banking, S.A./N.V., on or about July 12, 2013.

Joint Book-Running Managers

BofA Merrill Lynch

J.P.Morgan

Co-Managers

**BNY Mellon Capital Markets LLC
Morgan Stanley**

**Citigroup
PNC Capital Markets LLC**

Credit Suisse

**HSBC
Wells Fargo Securities**

The date of this prospectus supplement is July 9, 2013.

Table of Contents

TABLE OF CONTENTS

Prospectus Supplement

	Page
<u>About This Prospectus Supplement</u>	S-ii
<u>Where You Can Find More Information</u>	S-iii
<u>Forward Looking Statements</u>	S-v
<u>Summary</u>	S-1
<u>Risk Factors</u>	S-8
<u>Use of Proceeds</u>	S-11
<u>Capitalization</u>	S-12
<u>Description of Notes</u>	S-13
<u>Material U.S. Federal Income Tax Considerations</u>	S-28
<u>Underwriting</u>	S-32
<u>Legal Matters</u>	S-35
<u>Experts</u>	S-35

Prospectus

<u>About this Prospectus</u>	i
<u>Where You Can Find More Information</u>	i
<u>Summary</u>	1
<u>Risk Factors</u>	1
<u>Forward-Looking Statements</u>	1
<u>Consolidated Ratios of Earnings to Fixed Charges</u>	2
<u>Use of Proceeds</u>	2
<u>Description of Debt Securities</u>	2
<u>Description of Other Securities</u>	11
<u>Description of Capital Stock</u>	12
<u>Plan of Distribution</u>	15
<u>Legal Matters</u>	17
<u>Experts</u>	17

Table of Contents

ABOUT THIS PROSPECTUS SUPPLEMENT

This document is in two parts. The first part is this prospectus supplement, which describes certain matters relating to us and this offering. The second part, the accompanying prospectus dated May 30, 2012, gives more general information about debt securities we may offer from time to time, some of which may not apply to the notes offered by this prospectus supplement and the accompanying prospectus. For information about the notes, see [Description of Notes](#) in this prospectus supplement and [Description of Debt Securities](#) in the accompanying prospectus.

We are responsible for the information contained and incorporated by reference in this prospectus supplement and the accompanying prospectus and in any related free-writing prospectus we prepare or authorize. We have not authorized anyone to give you any other information, and we take no responsibility for any other information that others may give you. We are not, and the underwriters are not, making an offer of these notes in any jurisdiction where the offer or sale is not permitted. You should not assume that the information contained in this prospectus supplement, the accompanying prospectus or the documents incorporated by reference in this prospectus supplement or the accompanying prospectus is accurate as of any date other than their respective dates. Our business, financial condition, results of operations and prospects may have changed since those dates.

Before you invest in the notes, you should carefully read this prospectus supplement and the accompanying prospectus. You should also read the documents we have referred you to under [Where You Can Find More Information](#) for information about us. The shelf registration statement described in the accompanying prospectus, including the exhibits thereto, can be read at the Securities and Exchange Commission's (the "SEC") web site or at the SEC's Public Reference Room as described under [Where You Can Find More Information](#).

If the information set forth in this prospectus supplement varies in any way from the information set forth in the accompanying prospectus, you should rely on the information contained in this prospectus supplement. If the information set forth in this prospectus supplement varies in any way from the information set forth in a document we have incorporated by reference, you should rely on the information in the more recent document.

Unless indicated otherwise, or the context otherwise requires, references in this document to Allegheny Technologies, ATI, the Company, we, and our are to Allegheny Technologies Incorporated and its consolidated subsidiaries, and references to dollars and \$ are to United States dollars.

This prospectus supplement and accompanying prospectus include registered trademarks, trade names and service marks of the Company and its subsidiaries.

Financial data for the twelve months ended March 31, 2013 included in this prospectus supplement has been calculated by adding our historical financial data for our year ended December 31, 2012 to our historical financial data for the three months ended March 31, 2013 and then subtracting our historical financial data for the three months ended March 31, 2012.

Table of Contents**WHERE YOU CAN FIND MORE INFORMATION****Available Information**

We file reports, proxy statements and other information with the SEC. These reports, proxy statements and other information that we file with the SEC can be read and copied at the SEC's Public Reference Room at 100 F Street, N.E., Washington, D.C. 20549. Please call the SEC at 1-800-SEC-0330 to obtain further information on the operation of the Public Reference Room. The SEC maintains a web site that contains reports, proxy and information statements and other information regarding issuers that file electronically with the SEC, including us. The SEC's web site is <http://www.sec.gov>. In addition, our common stock is listed on the New York Stock Exchange, and our reports and other information can be inspected at the offices of the New York Stock Exchange, 20 Broad Street, New York, New York 10005. Our web site is www.atimetals.com. Information contained on our web site is not part of, and should not be construed as being incorporated by reference into, this prospectus supplement and the accompanying prospectus.

Incorporation by Reference

The SEC allows us to incorporate by reference information that we file with it. This means that we can disclose important information to you by referring you to other documents. Any information we incorporate in this manner is considered part of this prospectus supplement and the accompanying prospectus except to the extent updated and superseded by information contained in this prospectus supplement and the accompanying prospectus. Some information that we file with the SEC after the date of this prospectus supplement and until we sell all of the securities covered by this prospectus supplement will automatically update and supersede the information contained in this prospectus supplement and the accompanying prospectus.

We incorporate by reference the following documents that we have filed with the SEC and any filings that we make with the SEC in the future under Sections 13(a), 13(c), 14 or 15(d) of the Securities Exchange Act of 1934, as amended (the Exchange Act), until we sell all of the securities covered by this prospectus supplement, including between the date of this prospectus supplement and the date on which the offering of the securities under this prospectus supplement is terminated, except as noted in the paragraph below:

Our SEC Filings (File No. 1-12001)	Period for or Date of Filing
Annual Report on Form 10-K	Year Ended December 31, 2012
Quarterly Report on Form 10-Q	Quarter Ended March 31, 2013
Current Reports on Form 8-K	February 1, March 5, May 7, June 3 and 7 and July 9, 2013

Pursuant to General Instruction B of Form 8-K, any information submitted under Item 2.02, Results of Operations and Financial Condition, or Item 7.01, Regulation FD Disclosure, of Form 8-K is not deemed to be filed for the purpose of Section 18 of the Exchange Act, and we are not subject to the liabilities of Section 18 with respect to information deemed furnished (and not filed) in accordance with SEC rules, including information submitted under Item 2.02 or Item 7.01 of Form 8-K. We are not incorporating by reference any information deemed furnished (and not filed) in accordance with SEC rules, including information submitted under Item 2.02 or Item 7.01 of Form 8-K, into any filing under the Securities Act of 1933, as amended (the Securities Act), or the Exchange Act or into this prospectus supplement or the accompanying prospectus.

Statements contained in this prospectus supplement or the accompanying prospectus as to the contents of any contract, agreement or other document referred to in this prospectus supplement or the accompanying prospectus do not purport to be complete, and where reference is made to the particular provisions of that contract, agreement or other document, those references are qualified in all respects by reference to all of the provisions contained in that contract or other document. For a more complete understanding and description of each such contract, agreement or other document, we urge you to read the documents contained in the exhibits to the registration statement of which the accompanying prospectus is a part.

Table of Contents

Any statement contained in a document incorporated by reference, or deemed to be incorporated by reference, into this prospectus supplement and the accompanying prospectus will be deemed to be modified or superseded for purposes of this prospectus supplement and the accompanying prospectus to the extent that a statement contained herein, therein or in any other subsequently filed document which also is incorporated by reference in this prospectus supplement and the accompanying prospectus modifies or supersedes that statement. Any such statement so modified or superseded will not be deemed, except as so modified or superseded, to constitute a part of this prospectus supplement and the accompanying prospectus.

We will provide without charge, upon written or oral request, a copy of any or all of the documents that are incorporated by reference into this prospectus supplement and the accompanying prospectus and a copy of any or all other contracts, agreements or documents which are referred to in this prospectus supplement or the accompanying prospectus. Requests should be directed to: Allegheny Technologies Incorporated, 1000 Six PPG Place, Pittsburgh, PA 15222-5479, Attention: Corporate Secretary; telephone number: (412) 394-2800. You also may review a copy of the registration statement and its exhibits at the SEC's Public Reference Room in Washington, D.C., as well as through the SEC's web site.

Table of Contents

FORWARD-LOOKING STATEMENTS

You should carefully review the information contained in or incorporated by reference into this prospectus supplement and the accompanying prospectus. In this prospectus supplement and the accompanying prospectus, statements that are not reported financial results or other historical information are forward-looking statements. Forward-looking statements give current expectations or forecasts of future events and are not guarantees of future performance. They are based on our management's expectations that involve a number of business risks and uncertainties, any of which could cause actual results to differ materially from those expressed in or implied by the forward-looking statements.

You can identify these forward-looking statements by the fact that they do not relate strictly to historic or current facts. They use words such as anticipates, believes, estimates, expects, would, should, will, will likely result, forecast, outlook, projects, and similar expressions with any discussion of future operating or financial performance.

We cannot guarantee that any forward-looking statements will be realized, although we believe that we have been prudent in our plans and assumptions. Achievement of future results is subject to risks, uncertainties and assumptions that may prove to be inaccurate. Among others, the factors discussed in the Risk Factors section of our Annual Report on Form 10-K for our fiscal year ended December 31, 2012 and any of our subsequently filed Quarterly Reports on Form 10-Q or under Risk Factors in this prospectus supplement could cause actual results to differ from those in forward-looking statements included in or incorporated by reference into this prospectus supplement and the accompanying prospectus or that we otherwise make. Important factors that could cause actual results to differ materially from those in the forward-looking statements include: (a) material adverse changes in economic or industry conditions generally, including global supply and demand conditions and prices for our specialty metals; (b) material adverse changes in the markets we serve, including the aerospace and defense, oil and gas/chemical process industry, electrical energy, medical, automotive, construction and mining, and other markets; (c) our inability to achieve the level of cost savings, productivity improvements, synergies, growth or other benefits anticipated by management, from strategic investments and the integration of acquired businesses, whether due to significant increases in energy, raw materials or employee benefits costs, project cost overruns or unanticipated costs and expenses, or other factors; (d) volatility of prices and availability of supply of the raw materials that are critical to the manufacture of our products; (e) declines in the value of our defined benefit pension plan assets or unfavorable changes in laws or regulations that govern pension plan funding; (f) significant legal proceedings or investigations adverse to us; and (g) other risk factors summarized in our Annual Report on Form 10-K for the year ended December 31, 2012, in our Quarterly Report on Form 10-Q for the quarter ended March 31, 2013, and in other reports filed with the SEC. Should known or unknown risks or uncertainties materialize, or should underlying assumptions prove to be inaccurate, actual results could vary materially from those anticipated, estimated or projected. You should bear this in mind as you consider any forward-looking statements.

We undertake no obligation to publicly update forward-looking statements, whether as a result of new information, future events or otherwise, except as may be required by law. You are advised, however, to consider any additional disclosures that we may make on related subjects in future filings with the SEC. You should understand that it is not possible to predict or identify all factors that could cause our actual results to differ. Consequently, you should not consider any list of factors to be a complete set of all potential risks or uncertainties.

S-v

Table of Contents

SUMMARY

This summary highlights selected information contained elsewhere in this prospectus supplement, the accompanying prospectus and the documents incorporated by reference in this prospectus supplement. Because the following is only a summary, it does not contain all of the information that may be important to you. You should carefully read this prospectus supplement, the accompanying prospectus and the documents incorporated by reference before deciding whether to invest in the notes.

Our Company

We are one of the largest and most diversified specialty metals producers in the world. We use innovative technologies to offer growing global markets a wide range of specialty metals solutions. Our products include titanium and titanium alloys, nickel-based alloys and superalloys, zirconium, hafnium and niobium, advanced powder alloys, stainless and specialty steel alloys, grain-oriented electrical steel, tungsten-based materials and cutting tools, carbon alloy impression die forgings, and large grey and ductile iron castings. Our specialty metals are produced in a wide range of alloys and product forms and are selected for use in applications that demand metals having exceptional hardness, toughness, strength, resistance to heat, corrosion or abrasion, or a combination of these characteristics. The acquisition of Ladish Co., Inc. (now ATI Ladish) in May 2011 added advanced forgings, titanium investment castings and precision finishing capabilities to ATI's product portfolio. Results for ATI Ladish, which principally serves the aerospace & defense market, are included in the High Performance Metals segment from the acquisition date. ATI is a fully integrated supplier from raw material (for titanium) and melt (for other specialty alloy systems) through highly engineered finished components.

Our common stock is quoted on the New York Stock Exchange under the symbol **ATI**. For the twelve months ended March 31, 2013, we generated total sales of approximately \$4.9 billion and net income of approximately \$121 million through three business segments: High Performance Metals, Flat-Rolled Products and Engineered Products.

High Performance Metals Segment

Our High Performance Metals segment, which generated approximately 44% of our total sales for the twelve months ended March 31, 2013, produces, converts and distributes a wide range of high performance alloys, including nickel- and cobalt-based alloys and superalloys, titanium and titanium-based alloys, zirconium and related alloys including hafnium and niobium, and other specialty alloys, primarily in long product forms such as ingot, billet, bar, shapes and rectangles, rod, wire, seamless tube, and castings. We also produce nickel-based alloys and superalloys, titanium alloys, and specialty metal powders, and semi-finished near-net-shape products from advanced powder alloys, as well as precision forgings, castings and machined parts. We are integrated from raw materials (sponge) to melt, remelt, finish processing, forging, investment casting, and machining in our titanium and titanium alloys, and zirconium and hafnium alloy products. The major end markets served by our High Performance Metals segment are aerospace and defense, oil and gas, chemical process industry, electrical energy, and medical. Most of the products in our High Performance Metals segment are sold directly to end-use customers, and a significant portion of our High Performance Metals segment products are sold under multi-year agreements.

Flat-Rolled Products Segment

Our Flat-Rolled Products segment, which generated approximately 47% of our total sales for the twelve months ended March 31, 2013, produces, converts and distributes stainless steel, nickel-based alloys and superalloys, titanium and titanium-based alloys and specialty alloys in a variety of product forms, including plate, sheet, engineered strip, and Precision Rolled Strip® products, as well as grain-oriented electrical steel sheet. The

Table of Contents

major end markets for our flat-rolled products are oil and gas, chemical process industry, electrical energy, automotive, food equipment and appliances, construction and mining, aerospace and defense, and electronics, communication equipment and computers.

Engineered Products Segment

The principal business of our Engineered Products segment, which generated approximately 9% of our total sales for the twelve months ended March 31, 2013, is the production of tungsten powder, tungsten heavy alloys, tungsten carbide materials, and tungsten carbide cutting tools. We are integrated from the raw materials (ammonium paratungstate) to the manufacture of our tungsten-based products. The segment also produces carbon alloy steel impression die forgings and large grey and ductile iron castings, and provides specialty metals fabrication and precision metals processing services.

Recent Developments

Amendment of Revolving Credit Facility

On May 31, 2013, we amended our \$400 million senior unsecured domestic revolving credit facility to, among other things, extend the expiration date from April 2017 to May 2018 and to modify the maximum leverage ratio permitted under the facility. As of March 31, 2013, we had no outstanding borrowings under the facility, although a portion of the facility was used to support approximately \$4 million in letters of credit. We were in compliance with the financial covenants contained in the facility as of March 31, 2013.

Table of Contents

The Offering

Issuer	Allegheny Technologies Incorporated.
Securities Offered	\$500,000,000 aggregate principal amount of our 5.875% Senior Notes due 2023.
Maturity	The notes will mature on August 15, 2023, unless earlier redeemed or repurchased.
Interest Rate	<p>The notes will initially bear interest at 5.875 percent per year.</p> <p>The interest rate payable on the notes will be subject to adjustment from time to time if the ratings assigned to the notes are downgraded (or subsequently upgraded) under the circumstances described under Description of Notes Interest Rate Adjustment Based on Rating Events.</p>
Interest Payment Dates	February 15 and August 15 of each year, beginning on February 15, 2014.
Optional Redemption	<p>At any time prior to May 15, 2023 (three months prior to the maturity date), we have the option to redeem all or a portion of the notes at any time, or from time to time, on at least 30 but not more than 60 days notice mailed to holders thereof, each at the make-whole price set forth in this prospectus supplement, plus accrued interest to the date of redemption, if any. See Description of Notes Optional Redemption.</p> <p>At any time on or after May 15, 2023 (three months prior to the maturity date), we may redeem the notes in whole or in part, at our option, at a redemption price equal to 100% of the principal amount of the notes to be redeemed, plus accrued interest to the date of redemption on the notes to be redeemed.</p>
Offer to Repurchase upon a Change of Control Repurchase Event	If a change of control repurchase event occurs with respect to the notes, we will be required, subject to certain conditions, to offer to repurchase the notes at a purchase price equal to 101% of the principal amount of the notes repurchased, plus accrued and unpaid interest to, but not including, the date of repurchase. See Description of Notes Purchase of Notes upon a Change of Control Repurchase Event .
Covenants	<p>We will issue the notes under a senior indenture between us and The Bank of New York Mellon, as trustee. The senior indenture includes covenants that limit:</p> <p style="padding-left: 40px;">our ability and the ability of our domestic subsidiaries to create or permit liens;</p>

our ability and the ability of our domestic subsidiaries to enter into sale and leaseback transactions;

the ability of our domestic subsidiaries to guarantee our indebtedness; and

our ability to consolidate or merge with or into other companies or sell all or substantially all of our assets.

S-3

Table of Contents

These covenants will be subject to a number of important exceptions and qualifications described under [Description of Notes Covenants](#) and [Description of Notes Merger, Consolidation or Sale of Assets](#).

Events of Default

If there is an event of default under the notes, the principal amount of the notes, plus accrued and unpaid interest, may be declared immediately due and payable. These amounts automatically become due and payable if an event of default relating to certain events of bankruptcy, insolvency or reorganization occurs.

Ranking

The notes will be our senior unsecured obligations, ranking equally in right of payment with all of our existing and future senior unsecured indebtedness and senior to our future subordinated indebtedness. The notes will be effectively subordinated to our existing and future secured indebtedness to the extent of the value of the assets securing that indebtedness and to the existing and future indebtedness and other liabilities of our subsidiaries. We conduct a significant portion of our business through our subsidiaries. None of our subsidiaries will guarantee the notes.

As of March 31, 2013, after giving effect to this offering, we would have had an aggregate of approximately \$1,979.1 million of indebtedness outstanding.

Use of Proceeds

We intend to use the net proceeds of this offering for general corporate purposes. See [Use of Proceeds](#).

Book-Entry Form

The notes will be issued in book-entry form and will be represented by permanent global certificates deposited with, or on behalf of, DTC and registered in the name of a nominee of DTC. Investors may elect to hold interests in the notes through DTC, Clearstream or Euroclear if they are participants of such systems, or indirectly through organizations which are participants in such systems. Beneficial interests in any of the notes will be shown on, and transfers will be effected only through, records maintained by DTC or its nominee, and any such interests may not be exchanged for certificated securities, except in limited circumstances.

Table of Contents

Absence of Public Market for the Notes	The notes are new securities, and there is currently no established market for the notes. Accordingly, we cannot assure you as to the development or liquidity of any market for the notes. The underwriters have advised us that they currently intend to make a market in the notes. However, they are not obligated to do so, and they may discontinue any market making with respect to the notes without notice.
Material U.S. Federal Income Tax Considerations	Holder s are urged to consult their own tax advisors with respect to the federal, state, local and foreign tax consequences of purchasing, owning and disposing of the notes. See Material U.S. Federal Income Tax Considerations.
Trustee	The Bank of New York Mellon.
Risk Factors	You should carefully consider the information set forth in the section entitled Risk Factors and the other information included or incorporated by reference into this prospectus supplement and the accompanying prospectus in deciding whether to purchase the notes.

Table of Contents**Summary Consolidated Financial Data**

We derived the summary consolidated financial data shown below as of December 31, 2010, 2011 and 2012 and for each of the years then ended from our audited consolidated financial statements and for the three-month periods ended March 31, 2012 and 2013 from our unaudited consolidated financial statements. The unaudited consolidated financial statements from which we derived this data were prepared on the same basis as the audited consolidated financial data and include all adjustments, consisting only of normal recurring adjustments, necessary to present fairly our consolidated results of operations and financial condition as of the periods presented. The results of operations for interim periods are not necessarily indicative of the operating results for any future period. You should read the following financial information in conjunction with Management's Discussion and Analysis of Financial Condition and Results of Operations and our consolidated financial statements and the related notes in our Annual Report on Form 10-K for the fiscal year ended December 31, 2012, and our Quarterly Report on Form 10-Q for the quarter ended March 31, 2013, which are incorporated by reference in this prospectus supplement and the accompanying prospectus.

	Year Ended December 31,			Three Months Ended	
	2010	2011	2012	2012	March 31, 2013
	(Dollars in millions)			(Unaudited)	
Statement of income data:					
Sales:					
High Performance Metals	\$ 1,337.5	\$ 1,955.9	\$ 2,190.6	\$ 581.3	\$ 518.4
Flat-Rolled Products	2,338.5	2,726.0	2,349.2	636.0	558.1
Engineered Products	371.8	501.1	491.7	135.2	102.9
Total sales	4,047.8	5,183.0	5,031.5	1,352.5	1,179.4
Operating profit:					
High Performance Metals	257.8	364.5	371.6	104.1	75.3
Flat-Rolled Products	85.9	213.4	126.9	46.8	2.4
Engineered Products	12.8	34.1	39.4	12.3	0.6
Total operating profit	356.5	612.0	537.9	163.2	78.3
Income before income taxes	125.7	339.4	244.0	84.1	15.3
Net income	78.7	223.1	167.8	58.3	11.6
Less: Net income attributable to noncontrolling interest	8.0	8.8	9.4	2.1	1.6
Net income attributable to ATI	70.7	214.3	158.4	56.2	10.0
Balance sheet data (at end of period):					
Working capital	\$ 1,324.1	\$ 1,707.7	\$ 1,639.1	\$ 1,699.7	\$ 1,633.3
Total assets	4,493.6	6,046.9	6,247.8	6,078.7	6,174.3
Long-term debt	921.9	1,482.0	1,463.0	1,481.5	1,462.0
Total debt	1,063.3	1,509.3	1,480.1	1,509.9	1,479.1
Cash and cash equivalents	432.3	380.6	304.6	250.3	138.0
Total Stockholders' equity	2,129.4	2,571.6	2,587.1	2,613.9	2,596.7
Cash flow information:					
Cash flow provided by (used in) operating activities	\$ 27.1	\$ 296.8	\$ 427.5	\$ (18.2)	\$ (57.4)
Cash flow used in investing activities	(216.8)	(624.7)	(378.7)	\$ (69.0)	(86.2)
Cash flow provided by (used in) financing activities	(86.8)	276.2	(124.8)	(43.1)	(23.0)
Other Data:					
Ratio of earnings to fixed charges (unaudited) (1)	2.2x	3.8x	3.0x	3.8x	1.5x
EBITDA (unaudited) (2)	\$ 329.9	\$ 606.1	\$ 509.6	\$ 152.0	\$ 78.2

Table of Contents

- (1) For purposes of determining the ratio of earnings to fixed charges, earnings include pre-tax income plus fixed charges (excluding capitalized interest). Fixed charges consist of interest on all indebtedness (including capitalized interest) plus that portion of operating lease rentals representative of the interest factor (deemed to be one-third of operating lease rentals).
- (2) We define EBITDA as income (loss) before interest expense and income taxes, plus depreciation and amortization. EBITDA is not a measure of financial performance under generally accepted accounting principles. EBITDA is not calculated in the same manner by all companies and, accordingly, is not necessarily comparable to similarly titled measures of other companies and may not be an appropriate measure of performance relative to other companies. Interest expense, net as presented includes reductions for interest expense capitalized on construction in progress and is net of interest income. We have presented EBITDA in this prospectus supplement solely as a supplemental disclosure because we believe it allows for a more complete analysis of our results of operations. We believe that EBITDA is useful to investors because EBITDA is commonly used to analyze companies on the basis of operating performance, leverage and liquidity. Furthermore, analogous measures are used by industry analysts to evaluate operating performance. EBITDA is not intended to be a measure of free cash flow for management's discretionary use, as it does not consider certain cash requirements such as interest payments, tax payments and capital expenditures. EBITDA is not intended to represent, and should not be considered more meaningful than, or as an alternative to, a measure of operating performance as determined in accordance with generally accepted accounting principles. This definition of EBITDA will differ from the amounts calculated under the definition of Consolidated EBITDA that is contained in our revolving credit facility. **We do not intend to provide EBITDA information for future periods in earnings press releases, filings with the SEC or in response to inquiries.** EBITDA is calculated as follows:

	Three Months Ended				
	Year Ended December 31,			March 31,	
	2010	2011	2012	2012	2013
	(Dollars in millions)				
	(Unaudited)				
Income before income taxes	\$ 125.7	\$ 339.4	\$ 244.0	\$ 84.1	\$ 15.3
Interest expense, net	62.7	92.3	71.6	19.9	14.4
Depreciation and amortization	141.5	174.4	194.0	48.0	48.5
EBITDA	\$ 329.9	\$ 606.1	\$ 509.6	\$ 152.0	\$ 78.2

Table of Contents

RISK FACTORS

You should carefully consider the following factors and those described in our Annual Report on Form 10-K for our fiscal year ended December 31, 2012 and any of our subsequently filed Quarterly Reports on Form 10-Q, as well as the other information contained or incorporated by reference in this prospectus supplement, before deciding to invest in the notes. Any of these risks or other risks and uncertainties not presently known to us or that we currently deem immaterial could materially adversely affect our business, financial condition, results of operations and cash flow, which could in turn materially adversely affect the price of the notes. If any of the following risks and uncertainties develop into actual events, our business, financial condition, results of operations or cash flows could be materially adversely affected. In that case, the trading price of the notes could decline and you may lose all or part of your investment.

*This prospectus supplement also contains forward-looking statements that involve risks and uncertainties. Our actual results could differ materially from those anticipated in these forward-looking statements as a result of the risks faced by us described below and elsewhere in this prospectus supplement and the documents incorporated by reference. Please see *Forward-Looking Statements*.*

Risks Relating to the Notes

Repayment of our debt, including the notes, is dependent on cash flow generated by our subsidiaries.

Our subsidiaries own a significant portion of our assets and conduct a significant portion of our operations. Accordingly, repayment of our indebtedness, including the notes, is dependent, to a significant extent, on the generation of cash flow by our subsidiaries and their ability to make such cash available to us, by dividend, debt repayment or otherwise. None of our subsidiaries are guarantors of the notes, and our subsidiaries do not have any obligation to pay amounts due on the notes or to make funds available for that purpose. Our subsidiaries may not be able to, or may not be permitted to, make distributions to enable us to make payments in respect of our indebtedness, including the notes. Each subsidiary is a distinct legal entity and, under certain circumstances, legal and contractual restrictions may limit our ability to obtain cash from our subsidiaries. In the event that we do not receive distributions from our non-guarantor subsidiaries, we may be unable to make required principal and interest payments on our indebtedness, including the notes.

The notes will be structurally subordinated to all liabilities of our subsidiaries.

The notes will initially not be guaranteed by any of our subsidiaries and are therefore structurally subordinated to the indebtedness and other liabilities of our subsidiaries. These subsidiaries are separate and distinct legal entities and have no obligation, contingent or otherwise, to pay any amounts due pursuant to the notes, or to make any funds available therefor, whether by dividends, loans, distributions or other payments. Any right that we have to receive any assets of any of the subsidiaries upon the liquidation or reorganization of those subsidiaries, and the consequent rights of holders of notes to realize proceeds from the sale of any of those subsidiaries' assets, will be effectively subordinated to the claims of those subsidiaries' creditors, including trade creditors and holders of preferred equity interests of those subsidiaries. Accordingly, in the event of a bankruptcy, liquidation or reorganization of any of our subsidiaries, these subsidiaries will pay the holders of their debts, holders of preferred equity interests and their trade creditors before they will be able to distribute any of their assets to us.

Some significant transactions may not constitute a change of control repurchase event for purposes of the notes in which case we would not be obligated to offer to repurchase the notes.

Upon the occurrence of a change of control repurchase event as described under *Description of Notes* *Purchase of Notes upon a Change of Control Repurchase Event*, we will be required to offer to repurchase the notes. However, the change of control repurchase event provisions will not afford protection to holders of notes

Table of Contents

in the event of certain transactions. For example, any leveraged recapitalization, refinancing, restructuring or acquisition initiated by us will generally not constitute a change of control repurchase event requiring us to repurchase the notes. In the event of any such transaction, we will not be required to offer to repurchase the notes, even though any of these transactions could increase the amount of our indebtedness, or otherwise adversely affect our capital structure or credit ratings, thereby adversely affecting the holders of notes, including by decreasing the trading prices for the notes.

You may not be able to determine when a change of control repurchase event has occurred, and we may not be required to offer to repurchase the notes as a result of a change in the composition of the directors on our board.

Unless we have exercised our right to redeem the notes, a change of control repurchase event, as defined in the indenture governing the notes, will require us to make an offer to repurchase all outstanding notes. The definition of change of control includes a phrase relating to the sale, lease or transfer or conveyance of all or substantially all of our assets. There is no precisely established definition of the phrase substantially all under applicable law. Accordingly, your ability to require us to repurchase your notes as a result of a sale, lease or transfer of less than all of our assets to another individual, group or entity may be uncertain.

In addition, a Delaware Chancery Court decision found that, for purposes of agreements such as the indenture, the circumstances in which a board of directors of a Delaware corporation would be permitted not to approve a dissident slate of directors as continuing directors are significantly limited. In the event of any such significant change in the composition of our board where the board has approved the new directors as continuing directors for purposes of the indenture, we may not be required to offer to repurchase the notes as a result of the board composition change. The same court also observed that certain provisions in indentures, such as continuing director provisions, could function to entrench an incumbent board of directors and therefore raise enforcement concerns if adopted in violation of a board's fiduciary duties. If such a provision were found unenforceable, we would not be required to offer to repurchase your notes as a result of a change of control resulting from a change in the composition of our board. See Description of Notes Purchase of Notes upon a Change of Control Repurchase Event.

We may not be able to repurchase the notes upon a change of control repurchase event.

Upon a change of control repurchase event, as defined in the indenture governing the notes, we will be required to make an offer to repurchase all outstanding notes at 101% of their principal amount, plus accrued and unpaid interest, unless we have previously given notice of our intention to exercise our right to redeem the notes. We may not have sufficient financial resources to purchase all of the notes that are tendered upon a change of control offer or to redeem the notes. A failure to make the applicable change of control offer or to pay the applicable change of control purchase price when due would result in a default under the indenture. The occurrence of a change of control repurchase event would also constitute an event of default under our revolving credit facility and may constitute an event of default under the terms of the agreements governing our other indebtedness. See Description of Notes Purchase of Notes upon a Change of Control Repurchase Event.

The notes do not contain restrictive financial covenants and we may incur substantially more debt or take other actions which may affect our ability to satisfy our obligations under the notes.

Other than as described in this prospectus supplement under Description of Notes Covenants and in the accompanying prospectus under Description of Notes Merger, Consolidation or Sale of Assets, the notes are not subject to any restrictive covenants and we are not restricted from paying dividends or issuing or repurchasing our securities. In addition, the limited covenants applicable to the notes do not require us to achieve or maintain any minimum financial results relating to our financial position or results of operations.

Our ability to recapitalize, incur additional debt, and take a number of other actions that are not limited by the terms of the notes could have the effect of diminishing our ability to make payments on the notes when

Table of Contents

due, and require us to dedicate a substantial portion of our cash flow from operations to make payments on our indebtedness, which would reduce the availability of cash flow to fund our operations, working capital and capital expenditures.

There may be no active trading market for the notes.

The notes are a new issue of securities for which there is no established market. Accordingly, any or all of the following may occur:

no liquid market for the registered notes may develop;

you may be unable to sell your notes; or

the price at which you will be able to sell the notes may be lower than their principal amount or purchase price.

If a public market were to exist, the notes could trade at prices that may be higher or lower than their principal amount or purchase price, depending on many factors, including prevailing interest rates, the market for similar notes, the then-current ratings assigned to the notes and our financial performance. We do not intend to list the notes on any securities exchange or to seek approval for quotations through any automated quotation system. No active market for the notes is currently anticipated.

Future funding requirements may affect our business.

New sources of capital may be needed to meet the funding requirements of future investments in operating assets or other acquisitions, fund our ongoing business activities and pay dividends. Our ability to raise and service significant new sources of capital will be a function of macroeconomic conditions, future prices as well as our operational performance, cash flow and debt position, among other factors. We may determine that it may be necessary or preferable to issue additional debt or other securities, defer projects or sell assets. Additional financing may not be available when needed or, if available, the terms of such financing may not be favorable to us. In the event of lower prices, unanticipated operating or financial challenges, or new funding limitations, our ability to pursue new business opportunities, invest in existing and new projects, fund our ongoing business activities, and retire or service our outstanding debt could be significantly constrained.

Any downgrade in our credit ratings could limit our ability to obtain future financing, increase our borrowing costs and adversely affect the market price of our existing securities, including the notes, or otherwise impair our business, financial condition and results of operations.

There can be no assurance that any rating assigned to any of our securities will remain in effect for any given period of time or that a rating will not be lowered, suspended or withdrawn entirely by a rating agency, if, in that rating agency's judgment, circumstances so warrant. The interest rate payable on the notes is subject to adjustment in the event of a change in the credit ratings on the notes. A downgrade of our credit ratings could adversely affect the market price of our securities, including the notes, result in an increase to our cost of financing, including with respect to the notes, limit our access to the capital or credit markets or otherwise adversely affect the availability of other new financing on favorable terms, result in more restrictive covenants in agreements governing the terms of any future indebtedness that we incur, increase our cost of borrowing, or impair our business, financial condition and results of operations.

Current global financial conditions could adversely affect the availability of new financing and our operations.

Current global financial conditions have been characterized by increased market volatility. Continued volatility in the capital and credit markets, which impacts interest rates, currency exchange rates, and the availability of credit, could adversely affect our ability to obtain equity or debt financing in the future on terms favorable to us or have a material adverse effect on our business, financial condition and results of operations.

Table of Contents

USE OF PROCEEDS

We estimate that the net proceeds we will receive from this offering will be approximately \$496.2 million after deducting the underwriters discount and estimated offering expenses. We intend to use the net proceeds of this offering for general corporate purposes, which may include repurchases, repayment or refinancing of debt, capital expenditures, additions to working capital, the financing of future acquisitions or strategic combinations.

Until the net proceeds from this offering are applied to general corporate purposes, we may invest the proceeds from this offering in short-term, investment grade interest-bearing securities, U.S. government obligations or securities guaranteed by the U.S. government.

S-11

Table of Contents**CAPITALIZATION**

The following table sets forth our consolidated capitalization as of March 31, 2013:

on an actual basis; and

on an as-adjusted basis to give effect to the offering of notes hereunder.

This table should be read in conjunction with our historical consolidated financial statements, including the related notes, which are incorporated by reference in this prospectus supplement and the accompanying prospectus, as well as any related free writing prospectus.

	As of March 31, 2013	
	Actual	As Adjusted
	(Dollars in millions)	
Cash and cash equivalents	\$ 138.0	\$ 634.2
Total debt (including current portion of long-term debt):		
Revolving credit facility (1)	\$	\$
5.875% Senior Notes due 2023 (offered hereby)		500.0
5.95% Senior Notes due 2021	500.0	500.0
4.25% Convertible Senior Notes due 2014	402.5	402.5
9.375% Senior Notes due 2019	350.0	350.0
Allegheny Ludlum 6.95% Debentures due 2025	150.0	150.0
ATI Ladish Series B 6.14% Notes due 2016 (2)	24.6	24.6
ATI Ladish Series C 6.41% Notes due 2015 (3)	32.1	32.1
Other debt	19.9	19.9
Total debt	1,479.1	1,979.1
Stockholders' equity:		
Preferred stock, par value \$0.10; 50,000,000 shares authorized; issued none	\$	\$
Common stock, par value \$0.10; 500,000,000 shares authorized; 109,695,171 shares issued; 107,957,803 shares outstanding	11.0	11.0
Additional paid-in-capital	1,168.5	1,168.5
Retained earnings	2,404.9	2,404.9
Treasury stock, at cost; 1,737,368 shares	(81.1)	(81.1)
Accumulated other comprehensive loss, net of tax	(1,016.2)	(1,016.2)
Total ATI stockholders' equity	2,487.1	2,487.1
Noncontrolling interests	109.6	109.6
Total stockholders' equity	2,596.7	2,596.7
Total ATI capitalization	\$ 3,966.2	\$ 4,466.2

(1) Our revolving credit facility provides for aggregate borrowings of up to \$400 million. Borrowing availability under the facility is reduced on a dollar-for-dollar basis by the amount of any outstanding letters of credit under the facility. As of March 31, 2013, we had no outstanding borrowings under the facility, and approximately \$4 million of letters of credit were outstanding under the facility.

(2) Includes fair value adjustments of \$1.7 million.

(3) Includes fair value adjustments of \$2.1 million.

S-12

Table of Contents

DESCRIPTION OF NOTES

The following description of the particular terms of the notes offered by this prospectus supplement supplements the description of the general terms and provisions of the debt securities set forth in the accompanying prospectus under the caption Description of Debt Securities.

In this Description of Notes, the terms ATI, the Company, we, us and similar words refer only to Allegheny Technologies Incorporated and not to any of its subsidiaries. The notes constitute a separate series of debt securities under the senior indenture.

The notes will be issued under a senior indenture dated as of June 1, 2009 (the base indenture), between us and The Bank of New York Mellon, as trustee, as supplemented by a supplemental indenture to be executed as of July 12, 2013 (as so supplemented, the senior indenture). The senior indenture is subject to and is governed by the Trust Indenture Act of 1939, as amended. We have filed the base indenture as an exhibit to the registration statement of which the accompanying prospectus forms a part. The following description summarizes selected provisions of the senior indenture and the notes. It does not restate the senior indenture or the terms of the notes in their entirety. We urge you to read the senior indenture and the notes because the senior indenture and the notes, and not this description, define the rights of noteholders.

General

The notes:

will be our senior unsecured obligations;

will mature on August 15, 2023;

will be subject to redemption at our option as described under the caption Optional Redemption ;

initially will be limited to \$500,000,000 in aggregate principal amount, subject to our right to re-open the notes as described under the caption Additional Issuances ;

will not have the benefit of any sinking fund;

will be issued in denominations of \$2,000 and in integral multiples of \$1,000 in excess thereof; and

will be represented by one or more registered notes in global form but in certain limited circumstances may be represented by notes in certificated form. See Book-Entry Issuance.

Interest on the notes will:

initially accrue at the rate of 5.875% per annum;

accrue from July 12, 2013 or the most recent interest payment date on which interest was paid;

Edgar Filing: ALLEGHENY TECHNOLOGIES INC - Form 424B5

be payable in cash semiannually in arrears on February 15 and August 15 of each year, beginning on February 15, 2014;

be payable to the holders of record on February 1 and August 1, as the case may be, immediately preceding the related interest payment date; and

be computed on the basis of a 360-day year comprised of twelve 30-day months.

S-13

Table of Contents

If any interest payment date or maturity date falls on a day that is not a business day, the required payment of principal or interest will be made on the next business day as if made on the date that payment was due, and no interest will accrue on that payment for the period from and after the interest payment date or maturity date, as the case may be, to the date of the payment on the next business day.

Interest Rate Adjustment Based on Rating Events

The interest rate payable on the notes will be subject to adjustments from time to time if either Moody's or S&P (in each case, as defined below under "Purchase of Notes upon a Change of Control Repurchase Event") or, in either case, any Substitute Rating Agency (as defined below under "Purchase of Notes upon a Change of Control Repurchase Event") thereof downgrades (or subsequently upgrades) the debt rating assigned to the notes, in the manner described below.

If the rating from Moody's (or any Substitute Rating Agency thereof) of the notes is decreased to a rating set forth in the immediately following table, the interest rate on the notes will increase such that it will equal the interest rate payable on the notes on the date of the initial issuance of notes plus the percentage set forth opposite the applicable rating from the table below:

Moody's Rating*	Percentage
Ba1	0.25%
Ba2	0.50%
Ba3	0.75%
B1 or below	1.00%

* Including the equivalent ratings of any Substitute Rating Agency.

If the rating from S&P (or any Substitute Rating Agency thereof) of the notes is decreased to a rating set forth in the immediately following table, the interest rate on the notes will increase such that it will equal the interest rate payable on the notes on the date of the initial issuance of the notes plus the percentage set forth opposite the applicable rating from the table below:

S&P's Rating*	Percentage
BB+	0.25%
BB	0.50%
BB-	0.75%
B+ or below	1.00%

* Including the equivalent ratings of any Substitute Rating Agency.

If at any time the interest rate on the notes has been adjusted upward and either Moody's or S&P (or, in either case, a Substitute Rating Agency thereof), as the case may be, subsequently increases its rating of the notes to any of the threshold ratings set forth above, the interest rate on the notes will be decreased such that the interest rate for the notes equals the interest rate payable on the notes on the date of the initial issuance of the notes plus the percentages set forth opposite the ratings from the tables above in effect immediately following the increase. If Moody's (or any Substitute Rating Agency thereof) subsequently increases its rating of the notes to Baa3 (or its equivalent, in the case of a Substitute Rating Agency) or higher, and S&P (or any Substitute Rating Agency thereof) increases its rating to BBB- (or its equivalent, in the case of a Substitute Rating Agency) or higher, the interest rate on the notes will be decreased to the interest rate payable on the notes on the date of the initial issuance of the notes. In addition, the interest rates on the notes will permanently cease to be subject to any adjustment described above (notwithstanding any subsequent decrease in the ratings by either or both Rating Agencies) if the notes become rated A3 and A- (or the equivalent of either such rating, in the case of a Substitute Rating Agency) or higher by Moody's and S&P (or, in either case, a Substitute Rating Agency thereof), respectively (or one of these ratings if the notes are only rated by one Rating Agency (as defined below under "Purchase of Notes upon a Change of Control Repurchase Event")).

Table of Contents

Each adjustment required by any decrease or increase in a rating set forth above, whether occasioned by the action of Moody's or S&P (or, in either case, a Substitute Rating Agency thereof), shall be made independent of any and all other adjustments. For example, if the notes are rated Ba1 by Moody's and BB+ by S&P, the interest rate on the notes would increase to a rate equal to interest rate payable on the notes on their initial issuance date plus 0.50 percentage points. In no event shall (1) the interest rate for the notes be reduced to below the interest rate payable on the notes on the date of the initial issuance of the notes or (2) the total increase in the interest rate on the notes exceed 2.00% above the interest rate payable on the notes on the date of the initial issuance of the notes.

No adjustments in the interest rate of the notes shall be made solely as a result of a Rating Agency ceasing to provide a rating of such notes. If at any time fewer than two Rating Agencies provide a rating of the notes for a reason beyond our control, we will use commercially reasonable efforts to obtain a rating of such notes from a Substitute Rating Agency, to the extent one exists, and if a Substitute Rating Agency exists, for purposes of determining any increase or decrease in the interest rate on the notes pursuant to the tables above (a) such Substitute Rating Agency will be substituted for the last Rating Agency to provide a rating of such notes but which has since ceased to provide such rating, (b) the relative rating scale used by such Substitute Rating Agency to assign ratings to senior unsecured debt will be determined in good faith by an Independent Investment Banker (as defined below under Optional Redemption) appointed by the Company and, for purposes of determining the applicable ratings included in the applicable table above with respect to such Substitute Rating Agency, such ratings will be deemed to be the equivalent ratings used by Moody's or S&P, as applicable, in such table and (c) the interest rate on the notes will increase or decrease, as the case may be, such that the interest rate equals the interest rate payable on the notes on the date of the initial issuance of the notes plus the appropriate percentage, if any, set forth opposite the rating from such Substitute Rating Agency in the applicable table above (taking into account the provisions of clause (b) above) (plus any applicable percentage resulting from a decreased rating by the other Rating Agency). For so long as only one Rating Agency provides a rating of the notes, any subsequent increase or decrease in the interest rate of such notes necessitated by a reduction or increase in the rating by the Rating Agency providing the rating shall be twice the percentage set forth in the applicable table above. For so long as none of Moody's, S&P or a Substitute Rating Agency provides a rating of the notes, the interest rate on the notes will increase to, or remain at, as the case may be, 2.00% above the interest rate payable on the notes on the date of the initial issuance of the notes.

Any interest rate increase or decrease described above will take effect from the first day of the interest period during which a rating change requires an adjustment in the interest rate. If Moody's or S&P (or, in either case, a Substitute Rating Agency thereof) changes its rating of the notes more than once during any particular interest period, the last change by such Rating Agency will control for purposes of any interest rate increase or decrease with respect to the notes described above relating to such Rating Agency's action.

If the interest rate payable on the notes is increased as described above the term interest, as used with respect to the notes, will be deemed to include any such additional interest unless the context otherwise requires.

Ranking

The notes will be our senior and unsecured indebtedness and will rank equally with all of our other existing and future senior and unsecured indebtedness. The notes will effectively rank junior to any of our existing and future secured indebtedness to the extent of the assets securing such indebtedness, and will be structurally subordinated to any indebtedness and other liabilities of our subsidiaries. Indebtedness of our subsidiaries and obligations and liabilities of our subsidiaries are structurally senior to the notes since, in the event of a bankruptcy, liquidation, dissolution, reorganization or other winding up, the assets of our subsidiaries will be available to pay the notes only after the subsidiaries' indebtedness and other obligations and liabilities are paid in full. If that happens, we may not have sufficient assets remaining to pay the amounts due on any or all of the notes then outstanding. Because we generally stand as an equity holder, rather than a creditor, of our subsidiaries, creditors of those subsidiaries will have their debt satisfied out of the subsidiaries' assets before our creditors, including the noteholders.

Table of Contents

As of March 31, 2013, we had an aggregate of approximately \$1,479.1 million of indebtedness outstanding. As of March 31, 2013, after giving effect to this offering, we would have had an aggregate of approximately \$1,979.1 million of indebtedness outstanding.

Additional Issuances

We may issue additional notes, without limitation and without your consent, *provided* that such additional notes must be part of the same issue as the notes offered hereby for United States federal income tax purposes. If we issue additional notes of the series offered by this prospectus supplement under the senior indenture, they will have the same terms and conditions as the notes being offered by this prospectus supplement in all respects (except for the payment of interest accruing prior to the issue date of the additional notes) so that the additional notes may be consolidated and form a single series with the notes issued under this prospectus supplement.

Optional Redemption

We may redeem the notes, at our option, at any time in whole or from time to time in part prior to May 15, 2023 (three months prior to their maturity date), at a price equal to the greater of:

- (1) 100% of the principal amount of the notes being redeemed or
- (2) the sum of the present values of the remaining scheduled payments of principal and interest thereon (exclusive of interest accrued to the date of redemption) discounted to the redemption date on a semiannual basis (assuming a 360-day year consisting of twelve 30-day months) at the Treasury Rate, plus 50 basis points,

plus, in each case, accrued interest on the principal amount being redeemed to the redemption date.

On and after May 15, 2023 (three months prior to their maturity date), we may redeem the notes at our option, at any time in whole or from time to time in part, at a redemption price equal to 100% of the principal amount of the notes to be redeemed, plus accrued interest on the principal amount of the notes being redeemed to such redemption date.

The notes called for redemption become due on the date fixed for redemption. Notices of redemption will be mailed by first-class mail at least 30 but not more than 60 days before the redemption date to each holder of notes to be redeemed at its registered address. The notice of redemption for the notes will state the amount to be redeemed. On and after the redemption date, interest will cease to accrue on any notes that are redeemed. If less than all of the notes are redeemed at any time, the trustee will select notes on a pro rata basis or by any other method the trustee deems fair and appropriate.

For purposes of determining the optional redemption price, the following definitions are applicable:

Comparable Treasury Issue means the United States Treasury security selected by an Independent Investment Banker as having a maturity comparable to the remaining term (the **Remaining Life**) of the notes that would be utilized, at the time of selection and in accordance with customary financial practice, in pricing new issues of corporate debt securities of comparable maturity to the remaining term of the notes.

Comparable Treasury Price means, with respect to any redemption date, the average of the Reference Treasury Dealer Quotations obtained by us for that redemption date, after excluding the highest and lowest of such Reference Treasury Dealer Quotations, or, if we are unable to obtain at least four such Reference Treasury Dealer Quotations, the average of all Reference Treasury Dealer Quotations obtained by us.

Table of Contents

Independent Investment Banker means J.P. Morgan Securities LLC or Merrill Lynch, Pierce, Fenner & Smith Incorporated and their respective successors, as selected by us or, if such firms are unwilling or unable to select the applicable Comparable Treasury Issue or the applicable ratings scale for any Substitute Ratings Agency, an independent investment banking institution of national standing appointed by us.

Reference Treasury Dealer means J.P. Morgan Securities LLC and Merrill Lynch, Pierce, Fenner & Smith Incorporated, and two other independent investment banking institutions of national standing appointed by us (each, a Primary Treasury Dealer); *provided, however*, that if any of the foregoing shall cease to be a Primary Treasury Dealer, we shall substitute therefor another Primary Treasury Dealer.

Reference Treasury Dealer Quotations means, with respect to each Reference Treasury Dealer and any redemption date for the notes, the average, as determined by us, of the bid and asked prices for the Comparable Treasury Issue, expressed in each case as a percentage of its principal amount, quoted in writing to the trustee by the Reference Treasury Dealer at 3:30 p.m., New York City time, on the third business day preceding the redemption date.

Treasury Rate means, with respect to any redemption date, (i) the yield, under the heading which represents the average for the immediately preceding week, appearing in the most recently published statistical release designated H.15(519) or any successor publication which is published weekly by the Board of Governors of the Federal Reserve System and which establishes yields on actively traded United States Treasury securities adjusted to constant maturity under the caption Treasury Constant Maturities, for the maturity corresponding to the Comparable Treasury Issue (if no maturity is within three months before or after the Remaining Life, yields for the two published maturities most closely corresponding to the Comparable Treasury Issue shall be determined and the Treasury Rate shall be interpolated or extrapolated from such yields on a straight-line basis, rounded to the nearest month) or (ii) if such release (or any successor release) is not published during the week preceding the calculation date does not contain such yields, the rate per annum equal to the semiannual equivalent yield to maturity of the Comparable Treasury Issue, calculated using a price for the Comparable Treasury Issue (expressed as a percentage of its principal amount) equal to the Comparable Treasury Price for such redemption date. The Treasury Rate shall be calculated on the third business day preceding such redemption date.

The notes will not be entitled to the benefit of any sinking fund.

Purchase of Notes upon a Change of Control Repurchase Event

If a Change of Control Repurchase Event occurs, unless we have exercised our right to redeem the notes as described under the caption Optional Redemption, we will be required to make an offer to each holder of the notes to repurchase all or any part (in excess of \$2,000 and in integral multiples of \$1,000) of that holder's notes at a repurchase price in cash equal to 101% of the aggregate principal amount of the notes repurchased plus any accrued and unpaid interest on the notes repurchased to, but not including, the date of repurchase. Within 30 days following any Change of Control Repurchase Event or, at our option, prior to any Change of Control, but after the public announcement of the Change of Control, we will mail a notice to each holder, with a copy to the trustee, describing the transaction or transactions that constitute or may constitute the Change of Control Repurchase Event and offering to repurchase the notes on the payment date specified in the notice, which date will be no earlier than 30 days and no later than 60 days from the date such notice is mailed. The notice shall, if mailed prior to the date of consummation of the Change of Control, state that the offer to purchase is conditioned on a Change of Control Repurchase Event occurring on or prior to the payment date specified in the notice. We will comply with the requirements of Rule 14e-1 under the Exchange Act, and any other securities laws and regulations thereunder to the extent those laws and regulations are applicable in connection with the repurchase of the notes as a result of a Change of Control Repurchase Event. To the extent that the provisions of any securities laws or regulations conflict with the Change of Control Repurchase Event provisions of the notes, we will comply with the applicable securities laws and regulations and will not be deemed to have breached our obligations under the Change of Control Repurchase Event provisions of the notes by virtue of such conflict.

Table of Contents

On the repurchase date following a Change of Control Repurchase Event, we will, to the extent lawful:

- (1) accept for payment all the notes or portions of the notes properly tendered pursuant to our offer;
- (2) deposit with the paying agent an amount equal to the aggregate purchase price in respect of all the notes or portions of the notes properly tendered; and
- (3) deliver or cause to be delivered to the trustee the notes properly accepted, together with an officers certificate stating the aggregate principal amount of notes being purchased by the Company.

The paying agent will promptly deliver to each holder of notes properly tendered, the purchase price for the notes, and the trustee will promptly authenticate and mail (or cause to be transferred by book-entry) to each holder a new note equal in principal amount to any unpurchased portion of any notes surrendered.

We will not be required to make an offer to repurchase the notes upon a Change of Control Repurchase Event if a third party makes such an offer in the manner, at the times and otherwise in compliance with the requirements for an offer made by us and such third party purchases all notes properly tendered and not withdrawn under its offer.

The Change of Control Repurchase Event feature of the notes may in certain circumstances make more difficult or discourage a sale or takeover of ATI and, thus, the removal of incumbent management. The Change of Control Repurchase Event feature is a result of negotiations between us and the underwriters. We have no present intention to engage in a transaction involving a Change of Control, although it is possible that we could decide to do so in the future. As contemplated by the definition of Change of Control, we could enter into certain transactions, including acquisitions, refinancings or other recapitalizations, that would not constitute a Change of Control under the senior indenture, but that could increase the amount of indebtedness outstanding at such time or otherwise affect our capital structure or the credit ratings of the notes. Restrictions on our ability to incur liens and enter into sale and leaseback transactions and on the ability of our domestic subsidiaries to guarantee our indebtedness are contained in the covenants described under the captions Covenants Limitations on Liens, Limitations on Sale and Leaseback Transactions and Limitation on Guarantees. Except for the limitations contained in such covenants and the covenant relating to repurchases upon the occurrence of a Change of Control Repurchase Event, the senior indenture will not contain any covenants or provisions that may afford holders of the notes protection in the event of a highly leveraged transaction.

We may not have sufficient funds to repurchase all the notes upon a Change of Control Repurchase Event. Even if we have sufficient funds, we may be prohibited from repurchasing the notes under the terms of our existing or future debt instruments. See Risk Factors Risks Relating to the Notes We may not be able to repurchase the notes upon a change of control repurchase event.

For purposes of the foregoing discussion of a repurchase at the option of holders, the following definitions are applicable:

Change of Control means the occurrence of any one of the following:

- (1) the direct or indirect sale, lease, transfer, conveyance or other disposition (other than by way of merger or consolidation), in one or a series of related transactions, of all or substantially all of the assets of the Company and its Subsidiaries taken as a whole to any Person (including any person (as that term is used in Section 13(d)(3) of the Exchange Act)) other than to the Company or one of its Subsidiaries;
- (2) the consummation of any transaction (including, without limitation, any merger or consolidation) the result of which is that any Person (including any person (as that term is used in Section 13(d)(3) of the Exchange Act)) becomes the beneficial owner (as defined in Rules 13d-3 and 13d-5 under the Exchange Act), directly or indirectly, of more than 50% of the outstanding Voting Stock of the Company, measured by voting power rather than number of shares;

Table of Contents

(3) the Company consolidates with, or merges with or into, any Person, or any Person consolidates with, or merges with or into, the Company, in any such event pursuant to a transaction in which any of the outstanding Voting Stock of the Company or such other Person is converted into or exchanged for cash, securities or other property, other than any such transaction where the shares of the Voting Stock of the Company outstanding immediately prior to such transaction constitute, or are converted into or exchanged for, a majority of the Voting Stock of the surviving Person immediately after giving effect to such transaction;

(4) the first day on which the majority of the members of the board of directors of the Company cease to be Continuing Directors; or

(5) the adoption of a plan relating to the liquidation or dissolution of the Company.

Change of Control Repurchase Event means the occurrence of both a Change of Control and a Ratings Event.

Continuing Director means, as of any date of determination, any member of the board of directors of the Company who (1) was a member of such board of directors on the date of issuance of the notes; or (2) was nominated for election or elected to such board of directors with the approval of a majority of the Continuing Directors who were members of such board of directors at the time of such nomination or election.

Investment Grade means a rating of Baa3 or better by Moody's (or its equivalent under any successor Rating Categories of Moody's), a rating of BBB- or better by S&P (or its equivalent under any successor Rating Categories of S&P) and the equivalent Investment Grade credit rating from any additional Rating Agency or Rating Agencies selected by the Company.

Moody's means Moody's Investors Service Inc., and its successors.

Person means any individual, corporation, partnership, joint venture, association, joint-stock company, trust, unincorporated organization, limited liability company or government or other entity.

Rating Agency means (1) each of Moody's and S&P and (2) if either of Moody's or S&P ceases to rate the notes or fails to make a rating of the notes publicly available for reasons outside of the control of the Company, a Substitute Rating Agency thereof.

Rating Category means (i) with respect to S&P, any of the following categories: BBB, BB, B, CCC, CC, C and D (or equivalent successor categories); (ii) with respect to Moody's, any of the following categories: Baa, Ba, B, Caa, Ca, C and D (or equivalent successor categories); and (iii) the equivalent of any such category of S&P or Moody's used by another Rating Agency. In determining whether the rating of the notes has decreased by one or more gradations, gradations within Rating Categories (+ and for S&P; 1, 2 and 3 for Moody's; or the equivalent gradations for another Rating Agency) shall be taken into account (e.g., with respect to S&P, a decline in a rating from BB+ to BB, as well as from BB- to B+, will constitute a decrease of one gradation).

Rating Date means the date that is 60 days prior to the earlier of (i) a Change of Control or (ii) public notice of the occurrence of a Change of Control or of the intention by the Company to effect a Change of Control.

Ratings Event means the occurrence of the events described in (a) or (b) of this definition on, or within 60 days after the earlier of, (i) the occurrence of a Change of Control or (ii) public notice of the occurrence of a Change of Control or the intention by the Company to effect a Change of Control (which period shall be extended so long as the rating of the notes is under publicly announced consideration for a possible

Table of Contents

downgrade by any of the Rating Agencies): (a) if the notes are rated by both Rating Agencies on the Rating Date as Investment Grade, the rating of the notes shall be reduced so that the Notes are rated below Investment Grade by both Rating Agencies, or (b) if the notes are rated below Investment Grade by at least one Rating Agency, the ratings of the notes by both Rating Agencies shall be decreased by one or more gradations (including gradations within Rating Categories, as well as between Rating Categories) and the notes are then rated below Investment Grade by both Rating Agencies.

S&P means Standard & Poor's, a division of The McGraw-Hill Companies, Inc., and its successors.

Substitute Rating Agency means a nationally recognized statistical rating organization within the meaning of Section 3(a)(62) of the Exchange Act, selected by the Company (as certified by a resolution of the Board of Directors) as a replacement agency for Moody's or S&P, or both of them, as the case may be.

Voting Stock of any specified person (as that term is used in Section 13(d)(3) of the Exchange Act) as of any date means the capital stock of such person that is at the time entitled to vote generally in the election of the board of directors of such person.

Covenants

Except as described in Limitations on Liens, Limitations on Sale and Leaseback Transactions and Limitation on Guarantees, neither we nor any of our subsidiaries will be restricted by the senior indenture from:

incurring any indebtedness or other obligation;

paying dividends or making distributions on our capital stock or the capital stock of any of our subsidiaries; or

purchasing or redeeming our capital stock or the capital stock of any of our subsidiaries.

In addition, we will not be required to maintain any financial ratios or specified levels of net worth or liquidity or to repurchase or redeem or otherwise modify the terms of any of the notes upon a change of control or other events involving us or any of our subsidiaries which may adversely affect the creditworthiness of the notes, except to the limited extent described under the caption Purchase of Notes upon a Change of Control Repurchase Event. Among other things, the senior indenture will not contain covenants designed to afford holders of the notes any protections in the event of a highly leveraged or other transaction involving us that may adversely affect holders of the notes, except to the limited extent described following the caption Purchase of Notes upon a Change of Control Repurchase Event.

Limitations on Liens

We will not, and will not permit any of our Domestic Subsidiaries, directly or indirectly, to issue, assume or guarantee any Debt if that Debt is secured by any Lien upon any Principal Property (or portion thereof) of ours or of any Domestic Subsidiary or any shares of stock or Debt of any Domestic Subsidiary, whether owned on June 1, 2009 (the date of the base indenture) or thereafter acquired, without effectively securing the notes equally and ratably with that Debt, so long as such Debt is so secured. The foregoing restriction does not apply to:

(1) Liens on any property acquired, constructed or improved by us or any Domestic Subsidiary after June 1, 2009, which are created or assumed contemporaneously with or within three years after its acquisition, or completion of construction or improvement (or within six months thereafter pursuant to a firm commitment for financing arrangements entered into within that three-year period) to secure or provide for the payment of the purchase price or cost thereof, or Liens existing on any property at the time of its acquisition;

Table of Contents

(2) Liens existing on any property, shares of stock or indebtedness acquired from a Person merged with or into us or a Domestic Subsidiary after June 1, 2009;

(3) with respect to any corporation that becomes a Domestic Subsidiary after June 1, 2009, Liens on property of, or shares of stock or indebtedness issued by, any such corporation existing at the time it becomes a Domestic Subsidiary and not incurred in connection with or in anticipation of such corporation becoming a Domestic Subsidiary;

(4) Liens to secure Debt of a Domestic Subsidiary owed to us or Debt of one of our Domestic Subsidiaries owed to another Domestic Subsidiary;

(5) Liens in favor of governmental bodies to secure partial, progress, advance or other payments pursuant to any contract or statute;

(6) any Lien existing on June 1, 2009; or

(7) Liens for the sole purpose of extending, renewing or replacing Debt, in whole or in part, secured by any Lien referred to in the foregoing clauses (1) to (6), inclusive, provided, however, that the principal amount of Debt secured by that Lien shall not exceed the principal amount of Debt so secured at the time of such extension, renewal or replacement, and that such extension, renewal or replacement shall be limited to the property that secured the Lien so extended, renewed or replaced (plus improvements on such property).

The limitation on liens shall not apply to the issuance, assumption or guarantee by us or any Domestic Subsidiary of Debt secured by a Lien which would otherwise be subject to the foregoing restrictions up to an aggregate amount which, together with all other Debt of ours and our Domestic Subsidiaries secured by Liens (not including Liens permitted under the foregoing exceptions) and the Attributable Debt with respect to Sale and Leaseback Transactions existing at that time (other than Sale and Leaseback Transactions in which the property involved would have been permitted to be subject to a Lien under clause (1) above) does not exceed 10% of Consolidated Net Tangible Assets.

Limitations on Sale and Leaseback Transactions

We and our Domestic Subsidiaries are prohibited from entering into Sale and Leaseback Transactions unless:

(a) we or such Domestic Subsidiary would be entitled to incur Debt secured by a Lien on the Principal Property to be leased without equally and ratably securing the notes, pursuant to clauses (1)-(7) under *Limitations on Liens* ; or the Attributable Debt with respect thereto would be an amount permitted under the last paragraph under *Limitations on Liens* ; or

(b) we or such Domestic Subsidiary shall, within 180 days of the effective date of any such arrangement apply an amount equal to the proceeds from such Sale and Leaseback Transaction to the payment or other retirement of Debt that ranks senior to or equal with the notes (other than, in either case, Debt owed by us or any Subsidiary); or to the purchase of other Principal Property.

Limitation on Guarantees

We and our Domestic Subsidiaries are prohibited from entering into any agreement pursuant to which any such Domestic Subsidiary guarantees the payment of Debt incurred by us without providing that the notes be equally and ratably guaranteed by such Domestic Subsidiary.

Certain Definitions

For purposes of *Limitations on Liens*, *Limitations on Sale and Leaseback Transactions*, and *Limitation on Guarantees*, the following definitions are applicable:

Table of Contents

Attributable Debt in respect of a Sale and Leaseback Transaction means, as of any particular time, the present value (discounted at the rate of interest implicit in the terms of the lease involved in such Sale and Leaseback Transaction, as determined by us in good faith) of the obligation of the lessee thereunder for net rental payments (excluding, however, any amounts required to be paid by the lessee, whether or not designated as rent or additional rent, on account of maintenance and repairs, services, insurance, taxes, assessments, water rates or similar charges and any amounts required to be paid by the lessee thereunder contingent upon monetary inflation or the amount of sales, maintenance and repairs, insurance, taxes, assessments, water rates or similar charges) during the remaining term of that lease (including any period for which that lease has been extended or may, at the option of the lessor, be extended).

Consolidated Net Tangible Assets means the total of all the assets appearing on the Consolidated Balance Sheet of the Company and its Subsidiaries, less the following: (A) current liabilities; (B) intangible assets such as goodwill, trademarks, trade names, patents, and unamortized debt discount and expense; and (C) appropriate adjustments on account of minority interests of other persons holding stock in any Subsidiary of the Company.

Debt means indebtedness for money borrowed.

Domestic Subsidiary means a Subsidiary formed under the laws of, or conducting its principal operations within, the United States or any State or territory thereof.

Guarantee means any obligation, contingent or otherwise, of any Person directly or indirectly guaranteeing any Debt or other obligation of any other Person and, without limiting the generality of the foregoing, any obligation, direct or indirect, contingent or otherwise, of such Person (i) to purchase or pay (or advance or supply funds for the purchase or payment of) such Debt or other obligation of such other Person (whether arising by virtue of partnership arrangements, or by agreement to keep-well, to purchase assets, goods, securities or services, to take-or-pay, or to maintain financial statement conditions or otherwise) or (ii) entered into for purposes of assuring in any other manner the obligee of such Debt or other obligation of the payment thereof or to protect such obligee against loss in respect thereof, in whole or in part; provided that the term

Guarantee does not include endorsements for collection or deposit in the ordinary course of business. The term **Guarantee** used as a verb has a corresponding meaning.

Lien means any mortgage, pledge, lien, encumbrance, charge or security interest of any kind, excluding certain liens relating to taxes, easements and similar liens arising in the ordinary course of business.

Principal Property means any manufacturing plant or other similar facility owned by the Company or any Domestic Subsidiary, the book value of the real property, plant and equipment of which (as shown, without deduction of any depreciation reserves, on the books of the owner or owners) is not less than two percent (2%) of Consolidated Net Tangible Assets except (A) any such plant or facility which our Board of Directors determines is not of material importance to the total business conducted, or assets owned, by the Company and its Domestic Subsidiaries as an entirety, or (B) any portion of any such plant or facility which our Board of Directors determines not to be of material importance to the use or operation thereof.

Sale and Leaseback Transaction means any arrangement with any Person providing for the leasing to the Company or any Domestic Subsidiary of any Principal Property or portion thereof (except for temporary leases for a term, including any renewal thereof, of not more than 36 months and except for leases between the Company and a Subsidiary or between Subsidiaries), which Principal Property (or portion thereof) has been or is to be sold or transferred by the Company or such Domestic Subsidiary to such Person.

Subsidiary means with respect to any Person, any corporation, association or other business entity of which more than 50% of the outstanding voting stock is owned, directly or indirectly, by such Person and one or more Subsidiaries of such Person (or combination thereof). Unless otherwise specified, **Subsidiary** means a Subsidiary of the Company.

Table of Contents

Merger, Consolidation or Sale of Assets

The provisions of the senior indenture described under the caption **Description of Debt Securities** **Merger, Consolidation or Sale of Assets** in the accompanying prospectus will be applicable to the notes.

Events of Default

The events of default with respect to the notes will be those events described under the caption **Description of Debt Securities** **Events of Default** in the accompanying prospectus, except that each of the following will also be events of default:

a failure by the Company to repurchase notes tendered for repurchase following the occurrence of a **Change of Control Repurchase Event** in conformity with the covenant described under the caption **Purchase of Notes upon a Change of Control Repurchase Event**; and

a failure by the Company or any of its subsidiaries to pay any indebtedness for borrowed money, within any applicable grace period after final maturity or the acceleration by the holders thereof, if the total amount of such indebtedness unpaid or accelerated exceeds \$60 million.

For a description of the remedies available to holders of the notes as a result of an event of default, see **Description of Debt Securities** **Events of Default** in the accompanying prospectus.

Satisfaction and Discharge; Defeasance and Covenant Defeasance

The provisions of the senior indenture described under the caption **Description of Debt Securities** **Satisfaction and Discharge, Defeasance and Covenant Defeasance** in the accompanying prospectus will be applicable to the notes.

Exchange and Transfer

You may exchange or transfer the notes in accordance with the senior indenture. You will not be required to pay a service charge to exchange or transfer the notes, but you may be required to pay for any tax or other governmental charge associated with the exchange or transfer. The exchange or transfer will only be made if the transfer agent is satisfied with your proof of ownership. See **Book-Entry Issuance**.

Trustee and Paying Agent

The Bank of New York Mellon will act as our trustee and paying agent for the notes. We may choose to pay interest by mailing checks or making wire or other electronic funds transfers. Regardless of who acts as the paying agent, all money paid by us to a paying agent that remains unclaimed at the end of two years after the amount is due to note holders will be repaid to us. After that two-year period, you may look only to us for payment and not to the trustee, any other paying agent or anyone else. We may also arrange for additional payment offices, and may cancel or change these offices, including any use of the trustee's corporate trust office. We may appoint or change any paying agent without prior notice to any note holder.

Governing Law

The laws of the State of New York will govern the senior indenture and the notes.

Book-Entry Issuance

We have obtained the information in this section concerning DTC, Clearstream Banking S.A., or Clearstream, and Euroclear Bank S.A./N.V., as operator of the Euroclear System, or Euroclear, and the book-entry system and procedures from sources that we believe to be reliable, but we take no responsibility for the accuracy of this information.

Table of Contents

The notes will be issued as fully-registered global notes which will be deposited with, or on behalf of, DTC and registered, at the request of DTC, in the name of Cede & Co. Beneficial interests in the global notes will be represented through book-entry accounts of financial institutions acting on behalf of beneficial owners as direct or indirect participants in DTC. Investors may elect to hold their interests in the global notes through either DTC (in the United States) or (in Europe) through Clearstream or through Euroclear. Investors may hold their interests in the global notes directly if they are participants of such systems, or indirectly through organizations that are participants in these systems. Interests held through Clearstream and Euroclear will be recorded on DTC's books as being held by the U.S. depository for each of Clearstream and Euroclear (the U.S. Depositories), which U.S. Depositories will, in turn, hold interests on behalf of their participants' customers' securities accounts. Beneficial interests in the global notes will be held in denominations of \$2,000 and multiples of \$1,000 in excess thereof. Except as set forth below, the global notes may be transferred, in whole and not in part, only to another nominee of DTC or to a successor of DTC or its nominee.

Notes represented by a global note can be exchanged for definitive securities in registered form only if:

DTC notifies us that it is unwilling or unable to continue as depository for that global note and we do not appoint a successor depository within 90 days after receiving that notice;

at any time DTC ceases to be a clearing agency registered under the Exchange Act and we do not appoint a successor depository within 90 days after becoming aware that DTC has ceased to be registered as a clearing agency;

we, in our sole discretion, determine that that global note will be exchangeable for definitive securities in registered form and notify the trustee of our decision; or

an event of default with respect to the notes represented by that global note has occurred and is continuing.

A global note that can be exchanged as described in the preceding sentence will be exchanged for definitive securities issued in authorized denominations in registered form for the same aggregate amount. The definitive securities will be registered in the names of the owners of the beneficial interests in the global note as directed by DTC.

We will make principal and interest payments on all notes represented by a global note to the paying agent which in turn will make payment to DTC or its nominee, as the case may be, as the sole registered owner and the sole holder of the notes represented by a global note for all purposes under the senior indenture. Accordingly, we, the trustee and any paying agent will have no responsibility or liability for:

any aspect of DTC's records relating to, or payments made on account of, beneficial ownership interests in a debt security represented by a global note;

any other aspect of the relationship between DTC and its participants or the relationship between those participants and the owners of beneficial interests in a global note held through those participants; or

the maintenance, supervision or review of any of DTC's records relating to those beneficial ownership interests.

DTC has advised us that its current practice is to credit participants' accounts on each payment date with payments in amounts proportionate to their respective beneficial interests in the principal amount of such global note as shown on DTC's records, upon DTC's receipt of funds and corresponding detail information. The underwriters will initially designate the accounts to be credited. Payments by participants to owners of beneficial

Table of Contents

interests in a global note will be governed by standing instructions and customary practices, as is the case with securities held for customer accounts registered in street name, and will be the sole responsibility of those participants. Book-entry notes may be more difficult to pledge because of the lack of a physical note.

DTC

So long as DTC or its nominee is the registered owner of a global note, DTC or its nominee, as the case may be, will be considered the sole owner and holder of the notes represented by that global note for all purposes of the notes. Owners of beneficial interests in the notes will not be entitled to have notes registered in their names, will not receive or be entitled to receive physical delivery of the notes in definitive form and will not be considered owners or holders of notes under the senior indenture. Accordingly, each person owning a beneficial interest in a global note must rely on the procedures of DTC and, if that person is not a DTC participant, on the procedures of the participant through which that person owns its interest, to exercise any rights of a holder of notes. The laws of some jurisdictions require that certain purchasers of securities take physical delivery of the securities in certificated form. These laws may impair the ability to transfer beneficial interests in a global note. Beneficial owners may experience delays in receiving distributions on their notes since distributions will initially be made to DTC and must then be transferred through the chain of intermediaries to the beneficial owner's account.

We understand that, under existing industry practices, if we request holders to take any action, or if an owner of a beneficial interest in a global note desires to take any action which a holder is entitled to take under the senior indenture, then DTC would authorize the participants holding the relevant beneficial interests to take that action and those participants would authorize the beneficial owners owning through such participants to take that action or would otherwise act upon the instructions of beneficial owners owning through them.

Beneficial interests in a global note will be shown on, and transfers of those ownership interests will be effected only through, records maintained by DTC and its participants for that global note. The conveyance of notices and other communications by DTC to its participants and by its participants to owners of beneficial interests in the notes will be governed by arrangements among them, subject to any statutory or regulatory requirements in effect.

DTC has advised us that it is a limited-purpose trust company organized under the New York banking law, a banking organization within the meaning of the New York banking law, a member of the Federal Reserve System, a clearing corporation within the meaning of the New York Uniform Commercial Code and a clearing agency registered under the Exchange Act.

DTC holds the securities of its participants and facilitates the clearance and settlement of securities transactions among its participants in such securities through electronic book-entry changes in accounts of its participants. The electronic book-entry system eliminates the need for physical certificates. DTC's participants include securities brokers and dealers, including underwriters, banks, trust companies, clearing corporations and certain other organizations, some of which, and/or their representatives, own DTC. Banks, brokers, dealers, trust companies and others that clear through or maintain a custodial relationship with a participant, either directly or indirectly, also have access to DTC's book-entry system. The rules applicable to DTC and its participants are on file with the SEC.

DTC has advised us that the above information with respect to DTC has been provided to its participants and other members of the financial community for informational purposes only and is not intended to serve as a representation, warranty or contract modification of any kind.

Clearstream

Clearstream has advised us that it is incorporated under the laws of Luxembourg as a professional depository.

Table of Contents

Clearstream holds securities for its participating organizations, or Clearstream Participants, and facilitates the clearance and settlement of securities transactions between Clearstream Participants through electronic book-entry changes in accounts of Clearstream Participants, thereby eliminating the need for physical movement of certificates. Clearstream provides to Clearstream Participants, among other things, services for safekeeping, administration, clearance and settlement of internationally traded securities and securities lending and borrowing. Clearstream interfaces with domestic securities markets in several countries. As a professional depositary, Clearstream is subject to regulation by the Luxembourg Commission for the Supervision of the Financial Sector (*Commission de Surveillance du Secteur Financier*). Clearstream Participants are recognized financial institutions around the world, including underwriters, securities brokers and dealers, banks, trust companies, clearing corporations and certain other organizations. Clearstream's U.S. Participants are limited to securities brokers and dealers and banks. Indirect access to Clearstream is also available to others, such as banks, brokers, dealers and trust companies that clear through or maintain a custodial relationship with a Clearstream Participant either directly or indirectly.

Distributions with respect to notes held beneficially through Clearstream will be credited to cash accounts of Clearstream Participants in accordance with its rules and procedures, to the extent received by the U.S. Depositary for Clearstream.

Euroclear

Euroclear has advised us that it was created in 1968 to hold securities for participants of Euroclear, or Euroclear Participants, and to clear and settle transactions between Euroclear Participants through simultaneous electronic book-entry delivery against payment, thereby eliminating the need for physical movement of certificates and any risk from lack of simultaneous transfers of securities and cash. Euroclear performs various other services, including securities lending and borrowing and interacts with domestic markets in several countries. Euroclear is operated by Euroclear Bank S.A./N.V., or the Euroclear Operator, under contract with Euroclear plc, a U.K. corporation. All operations are conducted by the Euroclear Operator, and all Euroclear securities clearance accounts and Euroclear cash accounts are accounts with the Euroclear Operator, not Euroclear plc. Euroclear plc establishes policy for Euroclear on behalf of Euroclear Participants. Euroclear Participants include banks, including central banks, securities brokers and dealers and other professional financial intermediaries. Indirect access to Euroclear is also available to other firms that clear through or maintain a custodial relationship with a Euroclear Participant, either directly or indirectly.

The Euroclear Operator is a Belgian bank. As such it is regulated by the Belgian Banking and Finance Commission.

Securities clearance accounts and cash accounts with the Euroclear Operator are governed by the Terms and Conditions Governing Use of Euroclear and the related Operating Procedures of the Euroclear System, and applicable Belgian law, which we will refer to herein as the Terms and Conditions. The Terms and Conditions govern transfers of securities and cash within Euroclear, withdrawals of securities and cash from Euroclear, and receipts of payments with respect to securities in Euroclear. All securities in Euroclear are held on a fungible basis without attribution of specific certificates to specific securities clearance accounts. The Euroclear Operator acts under the Terms and Conditions only on behalf of Euroclear Participants, and has no record of or relationship with persons holding through Euroclear Participants.

Distributions with respect to notes held beneficially through Euroclear will be credited to the cash accounts of Euroclear Participants in accordance with the Terms and Conditions, to the extent received by the U.S. Depositary for Euroclear.

Euroclear has further advised us that investors that acquire, hold and transfer interests in the notes by book-entry through accounts with the Euroclear Operator or any other securities intermediary are subject to the

Table of Contents

laws and contractual provisions governing their relationship with their intermediary, as well as the laws and contractual provisions governing the relationship between such an intermediary and each other intermediary, if any, standing between themselves and the global notes.

Global Clearance and Settlement Procedures

Initial settlement for the notes will be made in immediately available funds. Secondary market trading between DTC participants will occur in the ordinary way in accordance with DTC rules and will be settled in immediately available funds using DTC's Same-Day Funds Settlement System. Secondary market trading between Clearstream Participants and/or Euroclear Participants will occur in the ordinary way in accordance with the applicable rules and operating procedures of Clearstream and Euroclear and will be settled using the procedures applicable to conventional eurobonds in immediately available funds.

Cross-market transfers between persons holding directly or indirectly through DTC, on the one hand, and directly or indirectly through Clearstream Participants or Euroclear Participants, on the other, will be effected through DTC in accordance with DTC rules on behalf of the relevant European international clearing system by its U.S. Depositary; however, such cross-market transactions will require delivery of instructions to the relevant European international clearing system by the counterparty in such system in accordance with its rules and procedures and within its established deadlines (European time). The relevant European international clearing system will, if the transaction meets its settlement requirements, deliver instructions to its U.S. Depositary to take action to effect final settlement on its behalf by delivering or receiving notes through DTC, and making or receiving payment in accordance with normal procedures for same-day funds settlement applicable to DTC. Clearstream Participants and Euroclear Participants may not deliver instructions directly to their respective U.S. Depositaries.

Because of time-zone differences, credits of notes received through Clearstream or Euroclear as a result of a transaction with a DTC participant will be made during subsequent securities settlement processing and dated the business day following the DTC settlement date. Such credits or any transactions in such notes settled during such processing will be reported to the relevant Euroclear Participants or Clearstream Participants on such business day. Cash received in Clearstream or Euroclear as a result of sales of notes by or through a Clearstream Participant or a Euroclear Participant to a DTC participant will be received with value on the DTC settlement date but will be available in the relevant Clearstream or Euroclear cash account only as of the business day following settlement in DTC.

If the notes are cleared only through Euroclear and Clearstream (and not DTC), you will be able to make and receive through Euroclear and Clearstream payments, deliveries, transfers, exchanges, notices and other transactions involving any securities held through those systems only on days when those systems are open for business. Those systems may not be open for business on days when banks, brokers and other institutions are open for business in the United States. In addition, because of time-zone differences, U.S. investors who hold their interests in the securities through these systems and wish to transfer their interests, or to receive or make a payment or delivery or exercise any other right with respect to their interests, on a particular day may find that the transaction will not be effected until the next business day in Luxembourg or Brussels, as applicable. Thus, U.S. investors who wish to exercise rights that expire on a particular day may need to act before the expiration date.

Although DTC, Clearstream and Euroclear have agreed to the foregoing procedures in order to facilitate transfers of notes among participants of DTC, Clearstream and Euroclear, they are under no obligation to perform or continue to perform such procedures and such procedures may be modified or discontinued at any time. Neither we nor any paying agent will have any responsibility for the performance by DTC, Euroclear or Clearstream or their respective direct or indirect participants of their obligations under the rules and procedures governing their operations.

Table of Contents**MATERIAL U.S. FEDERAL INCOME TAX CONSIDERATIONS**

The following discussion is based upon the provisions of the Internal Revenue Code of 1986, as amended (the Code), the applicable Treasury regulations promulgated and proposed thereunder, judicial authority and current administrative rulings and practice, all of which are subject to change, possibly with retroactive effect. The following general discussion summarizes material U.S. federal income tax aspects of the acquisition, ownership and disposition of the notes that may be relevant to U.S. Holders (as defined below) and Non-U.S. Holders (as defined below). This discussion is a summary for general information only and does not consider all aspects of U.S. federal income taxation that may be relevant to the acquisition, ownership and disposition of the notes by a prospective investor in light of his or her or its own personal circumstances. This discussion is limited to persons who are beneficial owners of the notes, who acquired the notes upon their original issuance at their issue price, which will equal the first price at which a substantial amount of the notes is sold for money (not including sales to bond houses, brokers, or similar persons or organizations acting in the capacity of underwriters, placement agents or wholesalers) and who will hold the notes as capital assets within the meaning of Section 1221 of the Code. This discussion does not purport to deal with all aspects of U.S. federal income taxation that might be relevant to particular holders in light of their personal investment circumstances or status, nor does it discuss the U.S. federal income tax consequences to certain types of holders subject to special treatment under the U.S. federal income tax laws (for example, financial institutions, insurance companies, dealers in securities or foreign currency, tax-exempt organizations, taxpayers holding the notes through a partnership or similar pass-through entity or as part of a straddle, hedge or conversion transaction, certain U.S. expatriates or other former long-term residents of the United States or U.S. Holders that have a functional currency other than the U.S. dollar). We will treat the notes as indebtedness for U.S. federal income tax purposes, and the balance of the discussion is based on the assumption that such treatment will be respected. We have not obtained a ruling from the Internal Revenue Service (the IRS) regarding the tax treatment of the notes.

If a partnership (including for this purpose an entity or arrangement treated as a partnership for U.S. federal income tax purposes) is a beneficial owner of a note, the treatment of a partner in the partnership generally will depend upon the status of the partner and upon the activities of the partnership. Partnerships and partners in such partnerships should consult their tax advisors about the U.S. federal income tax consequences of owning and disposing of the notes.

This discussion of material U.S. federal income tax considerations is for general information only and is not tax advice. Prospective holders are urged to consult their own tax advisors regarding the U.S. federal, state, local, foreign and other tax considerations of the acquisition, ownership and disposition of the notes.

Treatment of the Notes

In certain circumstances, we may be obligated to pay amounts in excess of stated interest or principal on the notes. The obligation to pay these amounts may implicate provisions of the Treasury regulations relating to contingent payment debt instruments (CPDIs). One or more contingencies generally will not cause the notes to be treated as CPDIs if, as of the issue date, each such contingency is considered remote or incidental or, in certain circumstances, it is significantly more likely that none of the contingencies will arise. We intend to take the position that the possibility, as of the date the notes are issued, of the payment of such amounts does not result in the notes being treated as CPDIs under the applicable Treasury regulations. Our determination is binding on you unless you disclose your contrary position to the IRS in the manner that is required by the applicable Treasury regulations. Our determination is not, however, binding on the IRS, which could challenge it. If such challenge were successful, a U.S. Holder likely would be required to accrue income on the notes in excess of stated interest, and would be required to treat as ordinary income rather than capital gain any income realized on the taxable disposition of a note. The remainder of this discussion assumes that the notes are not treated as CPDIs.

Table of Contents

U.S. Holders

The following discussion is limited to the U.S. federal income tax consequences to a beneficial owner of a note that is for U.S. federal income tax purposes:

an individual who is a citizen or resident of the United States;

a corporation (or any entity treated as a corporation for U.S. federal income tax purposes) created or organized under the laws of the United States, any state thereof or the District of Columbia;

an estate whose income is subject to U.S. federal income taxation on a net income basis regardless of its source; or

a trust, if (i) a U.S. court is able to exercise primary supervision over the administration of the trust and one or more U.S. persons have the authority to control all substantial decisions of the trust or (ii) the trust has a valid election in place to be treated as a U.S. person for U.S. federal income tax purposes (each a U.S. Holder).

Payments of Stated Interest

Stated interest on a note will be taxable to a U.S. Holder as ordinary income at the time it is received or accrued, in accordance with such holder's method of accounting for U.S. federal income tax purposes. It is expected, and this discussion assumes, that the notes will be issued without original issue discount for U.S. federal income tax purposes.

Sale, Exchange, Retirement or Redemption of the Notes

Upon the taxable disposition of a note by sale, exchange, retirement or redemption, a U.S. Holder generally will recognize gain or loss equal to the difference between the amount realized on the disposition (other than amounts attributable to accrued interest not yet taken into income, which will be taxed as ordinary income) and the U.S. Holder's adjusted tax basis in the note. A U.S. Holder's adjusted tax basis in a note generally will equal the cost of the note to such holder, less any principal payments received by such holder.

Any gain or loss realized on the sale, exchange, retirement or redemption of a note generally will constitute capital gain or loss and will be long-term capital gain or loss if at the time of the sale, exchange, retirement or redemption the U.S. Holder has held the note for more than one year. Long-term capital gain, in the case of non-corporate taxpayers, is eligible for reduced rates of taxation. The deductibility of capital losses is subject to limitations.

Medicare Surtax

Certain U.S. Holders that are individuals, estates or trusts and whose income exceeds certain thresholds will be required to pay an additional 3.8% Medicare surtax on, among other things, interest income and capital gains from the sale or other disposition of a note. U.S. Holders should consult their tax advisors as to the application of this additional surtax to their investment in the notes.

Information Reporting and Backup Withholding

Under the Code, U.S. Holders may be subject, under certain circumstances, to information reporting and backup withholding with respect to cash payments in respect of principal, interest, and the gross proceeds from dispositions of the notes. Backup withholding applies only if the U.S. Holder (i) fails to furnish its social security or other taxpayer identification number (TIN) within a reasonable time after a request therefor, (ii) furnishes an incorrect TIN, (iii) fails to report properly interest or dividends, or (iv) fails under certain circumstances to

Table of Contents

provide a certified statement, signed under penalty of perjury, that the TIN provided is its correct number and that it is not subject to backup withholding. Any amount withheld from a payment to a U.S. Holder under the backup withholding rules is allowable as a credit (and may entitle such holder to a refund) against such U.S. Holder's U.S. federal income tax liability, provided that the required information is furnished to the IRS in a timely manner. Certain persons are exempt from backup withholding, including corporations and financial institutions. U.S. Holders should consult their tax advisors as to their qualification for exemption from backup withholding and the procedure for obtaining such exemption.

Non-U.S. Holders

The following discussion is limited to the U.S. federal income tax consequences to a holder of a note that is a beneficial owner of a note and that is, for U.S. federal income tax purposes, an individual, corporation, estate or trust that is not a U.S. Holder (a Non-U.S. Holder).

For purposes of the discussion below, interest and gain on the sale, exchange, redemption or other disposition of the notes will be considered to be U.S. trade or business income if such income or gain is:

effectively connected with the conduct of a U.S. trade or business; and

in the case of a treaty resident, attributable to a permanent establishment (or, in the case of certain treaties, a fixed base) in the United States.

Payments of Stated Interest

Generally, payments of stated interest to a Non-U.S. Holder will not be subject to U.S. federal income or withholding tax if such stated interest is not U.S. trade or business income and is portfolio interest. Generally, interest on the notes will qualify as portfolio interest if the Non-U.S. Holder:

does not actually or constructively own 10% or more of the total combined voting power of all classes of our stock;

is not a controlled foreign corporation with respect to which we are a related person within the meaning of Section 864(d)(4) of the Code;

is not a bank receiving interest on the extension of credit made pursuant to a loan agreement made in the ordinary course of its trade or business; and

certifies, under penalties of perjury, that such holder is not a U.S. person and provides such holder's name and address (which certification may be made on IRS Form W-8BEN or other applicable form).

If interest on the notes does not qualify for the portfolio interest exception and is not U.S. trade or business income, payments of stated interest on the notes will be subject to U.S. withholding tax at a rate of 30% of the stated interest paid unless a treaty applies to reduce or eliminate such withholding tax. U.S. trade or business income will be taxed at regular graduated U.S. tax rates rather than the 30% gross rate. In the case of a Non-U.S. Holder that is a corporation, such U.S. trade or business income also may be subject to the branch profits tax. To claim an exemption from withholding in the case of U.S. trade or business income, or to claim the benefits of a treaty, a Non-U.S. Holder must provide a properly executed IRS Form W-8ECI (in the case of U.S. trade or business income) or IRS Form W-8BEN (in the case of a treaty exemption), or any successor form, as applicable, prior to the payment of interest. These forms must be periodically updated. A Non-U.S. Holder who is claiming the benefits of a treaty may be required, in certain instances, to obtain a TIN and to provide certain documentary evidence issued by foreign governmental authorities to prove residence in the foreign country. Also, special procedures are provided under applicable Treasury regulations for payments through qualified intermediaries.

Table of Contents

Sale, Exchange, Retirement or Redemption of the Notes

Subject to the discussion below concerning backup withholding, any gain realized by a Non-U.S. Holder on the sale, exchange or redemption of a note generally will not be subject to U.S. federal income tax, unless:

such gain is U.S. trade or business income; or

subject to certain exceptions, the Non-U.S. Holder is an individual who holds the notes as a capital asset and is present in the United States for 183 days or more in the taxable year of the disposition, in which case a 30% tax will apply to the net gain on such sale, unless such tax is reduced or eliminated by treaty.

Upon a sale, exchange, retirement or redemption of a note, accrued and unpaid stated interest will be taxed as described above under the heading Payments of Stated Interest.

Information Reporting and Backup Withholding

Information returns will be filed with the IRS in connection with payments on the notes. Unless the Non-U.S. Holder complies with certification procedures to establish that it is not a U.S. person, information returns may be filed with the IRS in connection with the proceeds from a sale or other disposition of the notes and the Non-U.S. Holder may be subject to U.S. backup withholding on payments on the notes or on the proceeds from a sale or other disposition of the notes. The certification procedures required to claim the exemption from withholding tax on interest described above will satisfy the certification requirements necessary to avoid the backup withholding tax as well. The amount of any backup withholding from a payment to a Non-U.S. Holder will be allowed as a credit against the Non-U.S. Holder's U.S. federal income tax liability and may entitle the Non-U.S. Holder to a refund, provided that the required information is timely furnished to the IRS.

Foreign Account Tax Compliance

The Foreign Account Tax Compliance Act provisions of the Hiring Incentives to Restore Employment Act (FATCA), when applicable, will impose a U.S. federal withholding tax of 30% on certain payments to foreign entities (including interest payments and gross proceeds from debt instruments, such as the notes) that fail to comply with certain certification and information reporting requirements. FATCA as initially enacted generally applies to debt instruments issued after March 18, 2012. Under Treasury regulations, the grandfathering date has been extended, and FATCA generally will not apply to debt instruments that are outstanding on January 1, 2014 (unless such instruments are significantly modified after that date). Because the notes will be issued before January 1, 2014, FATCA withholding will not apply to the notes, unless the notes are significantly modified after such date.

THE PRECEDING DISCUSSION IS FOR GENERAL INFORMATION ONLY AND IS NOT TAX ADVICE. ACCORDINGLY, EACH INVESTOR SHOULD CONSULT HIS, HER OR ITS OWN TAX ADVISOR AS TO PARTICULAR TAX CONSEQUENCES TO IT OF PURCHASING, HOLDING AND DISPOSING OF NOTES, INCLUDING THE APPLICABILITY AND EFFECT OF ANY STATE, LOCAL OR FOREIGN TAX LAWS, AND OF ANY PROPOSED CHANGES IN APPLICABLE LAW.

Table of Contents**UNDERWRITING**

J.P. Morgan Securities LLC and Merrill Lynch, Pierce, Fenner & Smith Incorporated are acting as joint bookrunning managers of the offering and as representatives of the underwriters named below. Subject to the terms and conditions stated in the underwriting agreement dated the date of this prospectus supplement, each underwriter named below has severally agreed to purchase, and we have agreed to sell to that underwriter, the principal amount of notes set forth opposite the underwriter's name.

Underwriter	Principal amount of notes
J.P. Morgan Securities LLC	\$ 180,000,000
Merrill Lynch, Pierce, Fenner & Smith Incorporated	180,000,000
BNY Mellon Capital Markets, LLC	20,000,000
Citigroup Global Markets Inc.	20,000,000
Credit Suisse Securities (USA) LLC	20,000,000
HSBC Securities (USA) Inc.	20,000,000
Morgan Stanley & Co. LLC	20,000,000
PNC Capital Markets LLC	20,000,000
Wells Fargo Securities, LLC	20,000,000
 Total	 \$ 500,000,000

The underwriting agreement provides that the obligations of the underwriters to purchase the notes included in this offering are subject to approval of legal matters by counsel and to other conditions. The underwriters are obligated to purchase all the notes if they purchase any of the notes.

Notes sold by the underwriters to the public will initially be offered at the initial public offering price set forth on the cover of this prospectus supplement. Any notes sold by the underwriters to securities dealers may be sold at a discount from the initial public offering price of up to 0.400% of the principal amount of the notes. Any such securities dealers may resell any notes purchased from the underwriters to certain other brokers or dealers at a discount from the initial public offering price of up to 0.250% of the principal amount of the notes. If all the notes are not sold at the initial offering price, the underwriters may change the offering price and the other selling terms.

The following table shows the underwriting discounts and commissions that we are to pay to the underwriters in connection with this offering (expressed as a percentage of the principal amount of the notes).

Per note	Paid by ATI
We estimate that our total expenses for this offering will be approximately \$500,000.	0.650%

We have agreed to indemnify the underwriters against certain liabilities, including liabilities under the Securities Act of 1933, or to contribute to payments the underwriters may be required to make because of any of those liabilities.

The notes are a new issue of securities with no established trading market. The notes will not be listed on any securities exchange or on any automated dealer quotation system. The underwriters may make a market in the notes after completion of the offering, but will not be obligated to do so and may discontinue any market-making activities at any time without notice. No assurance can be given as to the liquidity of the trading market for the notes or that an active public market for the notes will develop. If an active public market for the notes does not develop, the market price and liquidity of the notes may be adversely affected.

Table of Contents

In connection with the offering, the underwriters may purchase and sell notes in the open market. Purchases and sales in the open market may include short sales, purchases to cover short positions and stabilizing purchases.

Short sales involve secondary market sales by the underwriters of a greater number of notes than they are required to purchase in the offering.

Covering transactions involve purchases of notes in the open market after the distribution has been completed in order to cover short positions.

Stabilizing transactions involve bids to purchase notes so long as the stabilizing bids do not exceed a specified maximum. Purchases to cover short positions and stabilizing purchases, as well as other purchases by the underwriters for their own accounts, may have the effect of preventing or retarding a decline in the market price of the notes. They may also cause the price of the notes to be higher than the price that would otherwise exist in the open market in the absence of these transactions. The underwriters may conduct these transactions in the over-the-counter market or otherwise. If the underwriters commence any of these transactions, they may discontinue them at any time without notice.

Certain of the underwriters or their affiliates have performed commercial banking, investment banking and advisory services for us from time to time for which they have received customary fees and reimbursement of expenses. The underwriters may, from time to time, engage in transactions with and perform services for us in the ordinary course of their business for which they may receive customary fees and reimbursement of expenses. In addition, affiliates of some of the underwriters are lenders, and in some cases agents or managers for the lenders, under our credit facility.

In addition, in the ordinary course of their business activities, the underwriters and their affiliates may make or hold a broad array of investments and actively trade debt and equity securities (or related derivative securities) and financial instruments (including bank loans) for their own account and for the accounts of their customers. Such investments and securities activities may involve securities and/or instruments of ours or our affiliates. Certain of those underwriters or their affiliates that have a lending relationships with us routinely hedge, and certain other of those underwriters or their affiliates may hedge, their credit exposure to us consistent with their customary risk management policies. Typically, these underwriters and their affiliates would hedge such exposure by entering into transactions which consist of either the purchase of credit default swaps or the creation of short positions in our securities, including potentially the notes offered hereby. Any such credit default swaps or short positions could adversely affect future trading prices of the notes offered hereby. The underwriters and their affiliates may also make investment recommendations and/or publish or express independent research views in respect of such securities or financial instruments and may hold, or recommend to clients that they acquire, long and/or short positions in such securities and instruments.

Selling Restrictions

Notice to Prospective Investors in the European Economic Area

In relation to each member state of the European Economic Area that has implemented the Prospectus Directive (each, a relevant member state), with effect from and including the date on which the Prospectus Directive is implemented in that relevant member state (the relevant implementation date), an offer of notes described in this prospectus supplement may not be made to the public in that relevant member state prior to the publication of a prospectus in relation to the notes that has been approved by the competent authority in that relevant member state or, where appropriate, approved in another relevant member state and notified to the competent authority in that relevant member state, all in accordance with the Prospectus Directive, except that,

Table of Contents

with effect from and including the relevant implementation date, an offer of securities may be offered to the public in that relevant member state at any time:

to any legal entity that is authorized or regulated to operate in the financial markets or, if not so authorized or regulated, whose corporate purpose is solely to invest in securities;

to any legal entity that has two or more of (1) an average of at least 250 employees during the last financial year; (2) a total balance sheet of more than 43,000,000 and (3) an annual net turnover of more than 50,000,000, as shown in its last annual or consolidated accounts;

to fewer than 100 natural or legal persons (other than qualified investors as defined below) subject to obtaining the prior consent of the representatives for any such offer; or in any other circumstances that do not require the publication of a prospectus pursuant to Article 3 of the Prospectus Directive.

Each purchaser of notes described in this prospectus supplement located within a relevant member state will be deemed to have represented, acknowledged and agreed that it is a qualified investor within the meaning of Article 2(1)(e) of the Prospectus Directive.

For purposes of this provision, the expression an offer to the public in any relevant member state means the communication in any form and by any means of sufficient information on the terms of the offer and the securities to be offered so as to enable an investor to decide to purchase or subscribe the securities, as the expression may be varied in that member state by any measure implementing the Prospectus Directive in that member state, and the expression Prospectus Directive means Directive 2003/71/EC and includes any relevant implementing measure in each relevant member state.

The sellers of the notes have not authorized and do not authorize the making of any offer of notes through any financial intermediary on their behalf, other than offers made by the underwriters with a view to the final placement of the notes as contemplated in this prospectus supplement. Accordingly, no purchaser of the notes, other than the underwriters, is authorized to make any further offer of the notes on behalf of the sellers or the underwriters.

Notice to Prospective Investors in the United Kingdom

This prospectus supplement is only being distributed to, and is only directed at, persons in the United Kingdom that are qualified investors within the meaning of Article 2(1)(e) of the Prospectus Directive that are also (i) investment professionals falling within Article 19(5) of the Financial Services and Markets Act 2000 (Financial Promotion) Order 2005 (the Order) or (ii) high net worth entities, and other persons to whom it may lawfully be communicated, falling within Article 49(2)(a) to (d) of the Order (each such person being referred to as a relevant person). This prospectus supplement and its contents are confidential and should not be distributed, published or reproduced (in whole or in part) or disclosed by recipients to any other persons in the United Kingdom. Any person in the United Kingdom that is not a relevant person should not act or rely on this document or any of its contents.

Table of Contents

LEGAL MATTERS

The validity of the notes offered hereby will be passed upon for us by K&L Gates LLP, Pittsburgh, Pennsylvania. The underwriters have been represented in connection with this offering by Cravath, Swaine & Moore LLP, New York, New York.

EXPERTS

The consolidated financial statements of Allegheny Technologies Incorporated and Subsidiaries appearing in Allegheny Technologies Incorporated's Annual Report (Form 10-K) for the year ended December 31, 2012, and the effectiveness of Allegheny Technologies Incorporated and Subsidiaries' internal control over financial reporting as of December 31, 2012 have been audited by Ernst & Young LLP, independent registered public accounting firm, as set forth in their reports thereon, included therein, and incorporated herein by reference. Such consolidated financial statements and Allegheny Technologies Incorporated and Subsidiaries management's assessment of the effectiveness of internal control over financial reporting as of December 31, 2012 are incorporated herein by reference in reliance upon such reports given on the authority of such firm as experts in accounting and auditing.

S-35

Table of Contents

PROSPECTUS

Allegheny Technologies Incorporated

Debt Securities

Preferred Stock

Common Stock

Warrants

Purchase Contracts

Purchase Units

Depositary Shares

We may, from time to time, offer to sell, in one or more series, senior or subordinated debt securities, preferred stock, common stock, warrants, purchase contracts, purchase units or depositary shares, or any combination of these securities. The debt securities, preferred stock, warrants and purchase contracts may be convertible into or exercisable or exchangeable for our common or preferred stock or other securities or debt or equity securities of one or more other entities.

Our common stock is listed on the New York Stock Exchange and trades under the ticker symbol **ATI**. If we decide to seek a listing of any securities offered by this prospectus, we will disclose the exchange or market on which the securities will be listed or where we have made an application for listing in one or more supplements to this prospectus.

This prospectus describes some of the general terms that may apply to these securities. The specific terms of any securities to be offered, and the specific manner in which they may be offered, will be described in one or more supplements to this prospectus. This prospectus may not be used to sell securities unless it is accompanied by a prospectus supplement that contains a description of those securities.

We may offer and sell these securities to or through one or more underwriters, dealers or agents, or directly to other purchasers, on a continuous or delayed basis. If any offering involves underwriters, dealers or agents, arrangements with them will be described in a prospectus supplement relating to that offering.

We urge you to carefully read the information included or incorporated by reference in this prospectus and any prospectus supplement for a discussion of factors you should consider before deciding to invest in any securities offered by this prospectus, including the information under Risk Factors on page 1 of this prospectus.

Neither the Securities and Exchange Commission nor any state securities commission has approved or disapproved of these securities or passed upon the adequacy or accuracy of this prospectus. Any representation to the contrary is a criminal offense.

The date of this Prospectus is May 30, 2012.

Table of Contents**TABLE OF CONTENTS**

	Page
<u>About This Prospectus</u>	i
<u>Where You Can Find More Information</u>	i
<u>Summary</u>	1
<u>Risk Factors</u>	1
<u>Forward-Looking Statements</u>	1
<u>Consolidated Ratios of Earnings to Fixed Charges</u>	2
<u>Use of Proceeds</u>	2
<u>Description of Debt Securities</u>	2
<u>Description of Other Securities</u>	11
<u>Description of Capital Stock</u>	12
<u>Plan of Distribution</u>	15
<u>Legal Matters</u>	17
<u>Experts</u>	17

ABOUT THIS PROSPECTUS

This prospectus is part of a registration statement that we have filed with the Securities and Exchange Commission (the "SEC"), using an automatic shelf registration process. By using a shelf registration statement, we may sell, from time to time, in one or more offerings, any combination of the securities described in this prospectus. This prospectus does not contain all of the information in that registration statement. For further information about our business and the securities that may be offered under this prospectus, you should refer to the registration statement and its exhibits. The exhibits to the registration statement contain the full text of certain contracts and other important documents that we have summarized in this prospectus. Since the summaries in this prospectus may not contain all the information that you may find important in deciding whether to purchase the securities we may offer, you should review the full text of these contracts and documents. These summaries are qualified in all respects by reference to all of the provisions contained in the applicable contract or document. The registration statement and its exhibits can be obtained from the SEC as indicated under the heading "Where You Can Find More Information."

This prospectus only provides you with a general description of the securities we may offer. Each time we sell securities, we will provide a prospectus supplement that contains specific information about the terms of those securities. The prospectus supplement may also add, update or change information contained in this prospectus. You should read this prospectus and any applicable prospectus supplement together with the additional information described below under the heading "Where You Can Find More Information."

You should rely only on the information contained or incorporated by reference in this prospectus and any applicable prospectus supplement. We have not authorized anyone to provide you with different information. We are not making an offer to sell these securities in any jurisdiction where the offer or sale is not permitted. You should not assume that the information in this prospectus, any prospectus supplement or any document incorporated herein by reference is accurate as of any date other than the date of the applicable document. Our business, financial condition, results of operations and prospects may have changed since that date.

WHERE YOU CAN FIND MORE INFORMATION**Available Information**

We file reports, proxy statements and other information with the SEC. These reports, proxy statements and other information that we file with the SEC can be read and copied at the SEC's Public Reference Room at 100 F Street, N.E., Washington, D.C. 20549. Please call the SEC at 1-800-SEC-0330 to obtain further

Table of Contents

information on the operation of the Public Reference Room. The SEC maintains an internet site that contains reports, proxy and information statements and other information regarding issuers that file electronically with the SEC, including us. The SEC's internet address is <http://www.sec.gov>. In addition, our common stock is listed on the New York Stock Exchange, and our reports and other information can be inspected at the offices of the New York Stock Exchange, 20 Broad Street, New York, New York 10005. Our Internet website is www.atimetals.com. Information contained on our website is not part of, and should not be construed as being incorporated by reference into, this prospectus.

Incorporation by Reference

The SEC allows us to incorporate by reference information that we file with it. This means that we can disclose important information to you by referring you to other documents. Any information we incorporate in this manner is considered part of this prospectus except to the extent updated and superseded by information contained in this prospectus. Some information that we file with the SEC after the date of this prospectus and until we sell all of the securities covered by this prospectus will automatically update and supersede the information contained in this prospectus.

We incorporate by reference the following documents that we have filed with the SEC and any filings that we make with the SEC in the future under Sections 13(a), 13(c), 14 or 15(d) of the Securities Exchange Act of 1934, as amended (the Exchange Act), until we sell all of the securities covered by this prospectus, including between the date of this prospectus and the date on which the offering of the securities under this prospectus is terminated, except as noted in the paragraph below:

Our SEC Filings (File No. 1-12001)

Annual Report on Form 10-K
 Quarterly Report on Form 10-Q
 Current Reports on Form 8-K
 Registration Statement on Form 8-A

Period for or Date of Filing

Year Ended December 31, 2011
 Quarter Ended March 31, 2012
 February 28, March 8, 14 and 20, April 9 and 25, and May 15, 2012
 July 30, 1996

Pursuant to General Instruction B of Form 8-K, any information submitted under Item 2.02, Results of Operations and Financial Condition, or Item 7.01, Regulation FD Disclosure, of Form 8-K is not deemed to be filed for the purpose of Section 18 of the Exchange Act, and we are not subject to the liabilities of Section 18 with respect to information submitted under Item 2.02 or Item 7.01 of Form 8-K. We are not incorporating by reference any information submitted under Item 2.02 or Item 7.01 of Form 8-K into any filing under the Securities Act of 1933, as amended (the Securities Act), or the Exchange Act or into this prospectus.

Statements contained in prospectus as to the contents of any contract, agreement or other document referred to in this prospectus do not purport to be complete, and where reference is made to the particular provisions of that contract, agreement or other document, those references are qualified in all respects by reference to all of the provisions contained in that contract or other document. For a more complete understanding and description of each such contract, agreement or other document, we urge you to read the documents contained in the exhibits to the registration statement of which the accompanying prospectus is a part.

Any statement contained in a document incorporated by reference, or deemed to be incorporated by reference, into this prospectus will be deemed to be modified or superseded for purposes of this prospectus to the extent that a statement contained herein, therein or in any other subsequently filed document which also is incorporated by reference in this prospectus modifies or supersedes that statement. Any such statement so modified or superseded will not be deemed, except as so modified or superseded, to constitute a part of this prospectus.

We will provide without charge, upon written or oral request, a copy of any or all of the documents that are incorporated by reference into this prospectus and a copy of any or all other contracts, agreements or

Table of Contents

documents which are referred to in this prospectus. Requests should be directed to: Allegheny Technologies Incorporated, 1000 Six PPG Place, Pittsburgh, PA 15222-5479, Attention: Corporate Secretary; telephone number: (412) 394-2800. You also may review a copy of the registration statement and its exhibits at the SEC's Public Reference Room in Washington, D.C., as well as through the SEC's internet site.

Table of Contents

SUMMARY

This summary highlights selected information contained elsewhere in this prospectus and the documents incorporated by reference in this prospectus. Because the following is only a summary, it does not contain all of the information that may be important to you. You should carefully read this prospectus, any accompanying prospectus supplement and the documents incorporated by reference in this prospectus and any accompanying prospectus supplement before deciding whether to invest in any of our securities. References to Allegheny Technologies , ATI , the Company , we , our and us and similar terms means Allegheny Technologies Incorporated and its subsidiaries, unless the context otherwise requires.

Allegheny Technologies Incorporated

We are one of the largest and most diversified specialty metals producers in the world. We use innovative technologies to offer global markets a wide range of specialty metals solutions. Our products include titanium and titanium alloys, nickel-based alloys and superalloys, zirconium, hafnium and niobium, advanced powder alloys, stainless and specialty steel alloys, grain-oriented electrical steel, tungsten-based materials and cutting tools, forgings, castings and fabrication and machining capabilities. Our specialty metals are produced in a wide range of alloys and product forms and are selected for use in applications that demand metals having exceptional hardness, toughness, strength, resistance to heat, corrosion or abrasion, or a combination of these characteristics. We are a fully integrated supplier from raw material (for titanium) and melt (for other specialty alloy systems) through highly engineered finished components. Our common stock is quoted on the New York Stock Exchange under the symbol **ATI** .

Our principal executive offices are located at 1000 Six PPG Place, Pittsburgh, PA 15222, and our telephone number is (412) 394-2800.

RISK FACTORS

Investing in our securities involves risks. Before deciding to purchase any of our securities, you should carefully consider the discussion of risks and uncertainties under the heading **Risk Factors** contained in our Annual Report on Form 10-K for the fiscal year ended December 31, 2011, which is incorporated by reference in this prospectus, and under similar headings in our subsequently filed quarterly reports on Form 10-Q and annual reports on Form 10-K, as well as the other risks and uncertainties described in any applicable prospectus supplement and in the other documents incorporated by reference in this prospectus. See the information under the heading **Where You Can Find More Information** for information on how to obtain copies of documents incorporated by reference in this prospectus. The risks and uncertainties we discuss in the documents incorporated by reference in this prospectus are those we currently believe may materially affect our company. Additional risks and uncertainties not presently known to us or that we currently believe are immaterial also may materially and adversely affect our business, financial condition and results of operations.

FORWARD-LOOKING STATEMENTS

You should carefully review the information contained in or incorporated by reference into this prospectus. In this prospectus, statements that are not reported financial results or other historical information are forward-looking statements. Forward-looking statements give current expectations or forecasts of future events and are not guarantees of future performance. They are based on our management's expectations that involve a number of business risks and uncertainties, any of which could cause actual results to differ materially from those expressed in or implied by the forward-looking statements.

You can identify these forward-looking statements by the fact that they do not relate strictly to historic or current facts. They use words such as anticipates, believes, estimates, expects, would, should, will, will likely result, forecast, outlook, projects, and similar expressions with any discussion of future operating or financial performance.

Table of Contents

We cannot guarantee that any forward-looking statements will be realized, although we believe that we have been prudent in our plans and assumptions. Achievement of future results is subject to risks, uncertainties and assumptions that may prove to be inaccurate. Among others, the factors discussed in the Risk Factors section of our Annual Report on Form 10-K for our fiscal year ended December 31, 2011 and any of our subsequently filed Quarterly Reports on Form 10-Q could cause actual results to differ from those in forward-looking statements included in or incorporated by reference into this prospectus or that we otherwise make. Should known or unknown risks or uncertainties materialize, or should underlying assumptions prove to be inaccurate, actual results could vary materially from those anticipated, estimated or projected. You should bear this in mind as you consider any forward-looking statements.

We undertake no obligation to publicly update forward-looking statements, whether as a result of new information, future events or otherwise, except as may be required by law. You are advised, however, to consider any additional disclosures that we may make on related subjects in future filings with the SEC. You should understand that it is not possible to predict or identify all factors that could cause our actual results to differ. Consequently, you should not consider any list of factors to be a complete set of all potential risks or uncertainties.

CONSOLIDATED RATIOS OF EARNINGS TO FIXED CHARGES

The following table sets forth the ratio of our earnings to fixed charges for the periods indicated:

	Year Ended December 31,					Three Months Ended
	2007	2008	2009	2010	2011	March 31, 2012
Ratio of earnings to fixed charges	25.0x	19.4x	1.5x	2.2x	3.8x	3.8x

For purposes of calculating the ratio of earnings to fixed charges, earnings represents income before income tax provision, plus (income) loss recognized on less than fifty percent owned persons, plus fixed charges, less capitalized interest, less noncontrolling interest in the income of subsidiaries without fixed charges. Fixed Charges consists of interest expense, the portion of rents deemed to be interest, capitalized interest, debt extinguishment costs and amortization of debt expense.

USE OF PROCEEDS

We intend to use the net proceeds from the sale of the securities for general corporate purposes unless otherwise indicated in the applicable prospectus supplement relating to a specific issuance of securities. Our general corporate purposes include, but are not limited to, repayment, redemption or refinancing of debt, capital expenditures, investments in or loans to subsidiaries and joint ventures, funding of possible acquisitions, working capital, contributions to one or more of our pension plans, satisfaction of other obligations and repurchase of our outstanding equity securities. Pending any such use, the net proceeds from the sale of the securities may be invested in short-term, investment grade, interest-bearing instruments. We will include a more detailed description of the use of proceeds of any specific offering in the applicable prospectus supplement relating to an offering of securities under this prospectus.

DESCRIPTION OF DEBT SECURITIES

The following is a general description of the debt securities that we may offer from time to time under this prospectus. The particular terms of the debt securities offered under this prospectus and the extent, if any, to which the general provisions described below may apply will be described in the applicable prospectus supplement. Although our securities include securities denominated in U.S. dollars, we may choose to issue securities in any other currency, including the euro.

The debt securities will be either senior debt securities or subordinated debt securities. We will issue the senior debt securities under an indenture, dated June 1, 2009, between Allegheny Technologies Incorporated and

Table of Contents

The Bank of New York Mellon, as trustee (the Senior Indenture). The Senior Indenture is an exhibit to the registration statement of which this prospectus is a part. We will issue the subordinated debt securities under a subordinated indenture between us and The Bank of New York Mellon, as trustee (the Subordinated Indenture), a form of which is as an exhibit to the registration statement of which this prospectus is a part. The Senior Indenture and the Subordinated Indenture sometimes are collectively referred to in this prospectus as the indentures, and The Bank of New York Mellon, as trustee under the Senior Indenture or the Subordinated Indenture, as the case may be, sometimes is referred to in this prospectus as the trustee.

The following description is only a summary of the material provisions of the indentures. We urge you to read the appropriate indenture, along with any applicable supplement to the appropriate indenture, because they, and not this description, define your rights as holders of the applicable debt securities. See the information under the heading Where You Can Find More Information for information on how to obtain a copy of the appropriate indenture and any applicable supplement to that indenture. The following description also is subject to and qualified by reference to the description of the particular terms of the debt securities, the relevant indenture and any applicable supplement to that indenture, as described in the applicable prospectus supplement, including definitions used in the relevant indenture and any applicable supplement to that indenture. The particular terms of the debt securities that we may offer under this prospectus, the relevant indenture and any applicable supplement to that indenture may vary from the terms described below.

General

The senior debt securities will be unsubordinated obligations, will rank equally with all other unsubordinated debt obligations of ours and, unless otherwise indicated in the applicable prospectus supplement, will be unsecured. The subordinated debt securities will be subordinate in right of payment to any senior debt securities. A description of certain additional terms of the subordinated debt securities is provided below under Subordinated Debt Securities. The specific terms of any subordinated debt securities will be provided in the applicable prospectus supplement. For a complete understanding of the provisions pertaining to the subordinated debt securities, you should refer to the form of the Subordinated Indenture which is an exhibit to the registration statement of which this prospectus is a part. Unless we elect or are required to secure the debt securities, the debt securities will be effectively subordinated to any of our existing and future secured debt to the extent of the assets securing that debt.

Our primary sources of payment for our payment obligations under the debt securities will be revenues from our operations and investments and cash distributions from our subsidiaries. Our subsidiaries are separate and distinct legal entities and have no obligation whatsoever to pay any amounts due on debt securities issued by us or to make funds available to us. Our subsidiaries' ability to pay dividends or make other payments or advances to us will depend upon their operating results and will be subject to applicable laws and contractual restrictions. The Senior Indenture does not, and the Subordinated Indenture will not, restrict our subsidiaries from entering into agreements that prohibit or limit their ability to pay dividends or make other payments or advances to us.

To the extent that we must rely on cash from our subsidiaries to pay amounts due on the debt securities, the debt securities will be effectively subordinated to all of our subsidiaries' liabilities, including their trade payables. This means that our subsidiaries may be required to pay all of their creditors in full before their assets are available to us. Even if we are recognized as a creditor of our subsidiaries, our claims would be effectively subordinated to any security interests in their assets and also could be subordinated to some or all other claims on their assets and earnings.

In addition to the debt securities that we may offer pursuant to this prospectus, we may issue other debt securities in public or private offerings from time to time. These other debt securities may be issued under other indentures or documentation that are not described in this prospectus, and those debt securities may contain provisions materially different from the provisions applicable to one or more issues of debt securities offered pursuant to this prospectus.

Table of Contents

Terms

The Senior Indenture does not, and the Subordinated Indenture will not, limit the principal amount of debt, including unsecured debt, or other securities that we or our subsidiaries may issue.

We may issue notes or bonds in traditional paper form, or we may issue a global security. The debt securities of any series may be issued in definitive form or, if provided in the applicable prospectus supplement, may be represented in whole or in part by a global security or securities, registered in the name of a depositary designated by us. Each debt security represented by a global security is referred to as a Book-Entry Security.

Debt securities may be issued from time to time pursuant to this prospectus and will be offered on terms determined by market conditions at the time of sale. Debt securities may be issued in one or more series with the same or various maturities and may be sold at par, a premium or an original issue discount. Debt securities sold at an original issue discount may bear no interest or interest at a rate that is below market rates. Unless otherwise provided in the applicable prospectus supplement, debt securities denominated in U.S. dollars will be issued in denominations of \$2,000 and integral multiples of \$1,000 in excess thereof.

Please refer to the applicable prospectus supplement for the specific terms of the debt securities offered, including the following:

Designation of an aggregate principal amount, purchase price and denomination;

Date of maturity;

If other than U.S. currency, the currency in which the debt securities may be purchased and the currency in which principal, premium, if any, and interest will be paid;

The interest rate or rates and the method of calculating interest (unless we specify a different method, interest will be calculated based on a 360-day year consisting of 12 30-day months);

The date or dates from which the interest will accrue, the payment dates on which any premium and interest will be payable or the manner of determination of the payment dates and the record dates for the determination of holders to whom interest is payable;

The place or places where principal, premium, if any, and interest will be payable;

Any redemption or sinking fund provisions or other repayment or repurchase obligations;

Any index used to determine the amount of principal, premium, if any, and interest to be paid with respect to the debt securities;

The application, if any, of the defeasance provisions to the debt securities;

If other than the entire principal amount, the portion of the debt securities that would be payable upon acceleration of the maturity thereof;

Whether the debt securities will be issued in whole or in part in the form of one or more global securities, and, in such case, the depository for the global securities;

Whether the debt securities may be converted into or exercised or exchanged for our common stock, preferred stock, warrants, other securities, purchase contracts or purchase units and the terms of such conversion, exercise or exchange, if any;

Table of Contents

Any covenants applicable to the debt securities;

Any events of default applicable to the debt securities;

Any changes to the events of default described in this prospectus;

The terms of subordination, if applicable;

The terms of conversion, if applicable; and

Any other specific material terms, including any additions to the terms described in this prospectus and any terms that may be required by or advisable under applicable law.

Except with respect to book-entry securities, debt securities may be presented for exchange or registration of transfer, in the manner, at the places and subject to the restrictions set forth in the debt securities and the applicable prospectus supplement. Such services will be provided without charge, other than any tax or other governmental charge payable in connection therewith, but subject to the limitations provided in the indentures.

Merger, Consolidation or Sale of Assets

Pursuant to the indentures, the Company will not, in a single transaction or through a series of related transactions, consolidate or merge with or into any other person, or, directly or indirectly, sell or convey all or substantially all of its properties and assets to another person or group of affiliated persons, except that the Company may consolidate or merge with, or sell or convey substantially all of its assets to another person if (i) the Company is the continuing person or the successor person (if other than the Company) is organized and existing under the laws of the United States of America, any State thereof or the District of Columbia and such person expressly assumes all obligations of the Company under the indenture, including payment of the principal and interest on the debt securities, and the performance and observance of all of the covenants and conditions of the indenture to be performed by the Company and (ii) there is no default under the indenture. Upon such a succession, the Company will be relieved from any further obligations under the indenture.

Events of Default

Except as otherwise set forth in the applicable prospectus supplement, an event of default shall occur with respect to any series of debt securities when:

We default in paying principal or premium, if any, on any of the debt securities of such series when due;

We default in paying interest on any of the debt securities of such series when due and such default continues for 30 days;

We default in making deposits into any sinking fund payment with respect to any of the debt securities of such series when due and such default continues for 30 days;

We fail to perform any other covenant or warranty in the debt securities of such series or in the applicable indenture, and such failure continues for a period of 90 days after notice of such failure as provided in that indenture;

Edgar Filing: ALLEGHENY TECHNOLOGIES INC - Form 424B5

Certain events of bankruptcy, insolvency, or reorganization involving us occur; or

Any other event of default specified in the applicable prospectus supplement occurs with respect to debt securities of that series.

Table of Contents

We will be required annually to deliver to the trustee officers certificates stating whether or not the officers signing such certificates have any knowledge of any default in the performance by us of our obligations under the applicable indenture.

If an event of default shall occur and be continuing with respect to any series (other than an event of default described in the fifth bullet point of the first paragraph above under Events of Default), the trustee or the holders of not less than 25% in principal amount of the debt securities of such series then outstanding (or, if any debt securities of that series are original issue discount securities, the portion of the principal amount of such securities as may be specified by the terms thereof) may declare the debt securities of such series to be immediately due and payable. If an event of default described in the fifth bullet point of the first paragraph above under Events of Default occurs with respect to any series of debt securities, the principal amount of all debt securities of that series (or, if any debt securities of that series are original issue discount securities, the portion of the principal amount of such securities as may be specified by the terms thereof) will automatically become due and payable without any declaration by the trustee or the holders. The trustee is required to give holders of the debt securities of any series written notice of a default with respect to such series as and to the extent provided by the Trust Indenture Act of 1939, as amended. As used in this paragraph, a default means an event described in the first paragraph under Events of Default without including any applicable grace period.

If at any time after the debt securities of such series have been declared due and payable, and before any judgment or decree for the moneys due has been obtained or entered, we pay or deposit with the trustee amounts sufficient to pay all matured installments of interest upon the debt securities of such series and the principal of all debt securities of such series which shall have become due, otherwise than by acceleration, together with interest on such principal and, to the extent legally enforceable, on such overdue installments of interest and all other amounts due under the applicable indenture shall have been paid, and any and all defaults with respect to such series under that indenture shall have been remedied, then the holders of a majority in aggregate principal amount of the debt securities of such series then outstanding, by written notice to us and the trustee, may rescind and annul the declaration that the debt securities of such series are due and payable.

In addition, the holders of a majority in aggregate principal amount of the debt securities of such series may waive any past default and its consequences with respect to such series, except a default in the payment of the principal of or any premium or interest on any debt securities of such series or a default in the performance of a covenant that cannot be modified under the applicable indenture without the consent of the holder of each affected debt security.

The trustee is under no obligation to exercise any of the rights or powers under the indentures at the request, order or direction of any of the holders of debt securities, unless such holders shall have offered to the trustee security or indemnity satisfactory to the trustee. Subject to such provisions for the indemnification of the trustee and certain limitations contained in the indentures, the holders of a majority in aggregate principal amount of the debt securities of each series at the time outstanding shall have the right to direct the time, method and place of conducting any proceeding for any remedy available to the trustee, or exercising any trust or power conferred on the trustee, with respect to the debt securities of such series.

No holder of debt securities of any series will have any right to institute any proceeding, judicial or otherwise, with respect to the applicable indenture, for the appointment of a receiver or trustee or for any other remedy under the indenture, unless:

The holder has previously given written notice to the trustee of a continuing event of default with respect to the debt securities of that series; and

The holders of at least 25% in principal amount of the outstanding debt securities of that series have made a written request to the trustee, and offered reasonable indemnity satisfactory to the trustee, to institute proceedings as trustee, the trustee has failed to institute the proceedings within 60 days

Table of Contents

after its receipt of such notice and the trustee has not received from the holders of a majority in principal amount of the debt securities of that series a direction inconsistent with that request.

Notwithstanding the foregoing, the holder of any debt security issued under indentures will have, an absolute and unconditional right to receive payment of the principal of and any premium and, subject to the provisions of the applicable indenture regarding the payment of default interest, interest on that debt security on the due dates expressed in that security and to institute suit for the enforcement of payment.

Modification of the Indentures

The Senior Indenture contains, and the Subordinated Indenture will contain, provisions permitting us and the trustee to modify that indenture or enter into or modify any supplemental indenture without the consent of the holders of the debt securities for any of the following purposes:

To evidence the succession of another corporation to us in accordance with Merger, Consolidation or Sale of Assets ;

To add to our covenants further covenants for the benefit or protection of the holders of any or all series of debt securities or to surrender any right or power conferred upon us by that indenture;

To add any additional events of default with respect to all or any series of debt securities;

To add to or change any of the provisions of that indenture to facilitate the issuance of debt securities in bearer form with or without coupons, or to permit or facilitate the issuance of debt securities in uncertificated form;

To add to, change or eliminate any of the provisions of that indenture in respect of one or more series of debt securities thereunder, under certain conditions designed to protect the rights of any existing holder of those debt securities;

To secure all or any series of debt securities;

To establish the forms or terms of the debt securities of any series;

To evidence the appointment of a successor trustee and to add to or change provisions of that indenture necessary to provide for or facilitate the administration of the trusts under that indenture by more than one trustee; and

To cure any ambiguity, to correct or supplement any provision of that indenture which may be defective or inconsistent with another provision of that indenture or to change any other provisions with respect to matters or questions arising under that indenture, provided that any such action shall not adversely affect the interests of the holders of any series of debt securities.

We and the trustee may otherwise modify each indenture or any supplemental indenture with the consent of the holders of not less than a majority in aggregate principal amount of each series of debt securities affected thereby at the time outstanding, except that no such modifications shall:

Change the fixed maturity of any debt securities or any installment of principal, interest or premium on any debt securities, or reduce the principal amount thereof or reduce the rate of interest or premium payable upon redemption, or reduce the amount of principal of an original issue discount debt security or any other debt security that would be due and payable upon a declaration

of acceleration of the maturity thereof, or change the currency in which the debt securities are payable

Table of Contents

or impair the right to institute suit for the enforcement of any payment after the stated maturity thereof or the redemption date, if applicable, or adversely affect any right of the holder of any debt security to require us to repay or repurchase that security, without the consent of the holder of each debt security so affected;

Reduce the percentage of debt securities of any series, the consent of the holders of which is required for any waiver or supplemental indenture, without the consent of the holders of all debt securities affected thereby then outstanding;

Modify the provisions of that indenture relating to the waiver of past defaults or the waiver or certain covenants or the provisions described above, except to increase any percentage set forth in those provisions or to provide that other provisions of that indenture may not be modified without the consent of the holder of each debt security affected thereby, without the consent of the holder of each debt security affected thereby;

Change any obligation of ours to maintain an office or agency;

Change any obligation of ours to pay additional amounts;

Adversely affect any right of repayment or repurchase at the option of the holder; or

Reduce or postpone any sinking fund or similar provision.

With respect to any vote of holders of a series of debt securities, we generally will be entitled to set any date as a record date for the purpose of determining the holders of outstanding debt securities that are entitled to vote or take other action under the applicable indenture.

Satisfaction and Discharge, Defeasance and Covenant Defeasance

Except as otherwise specified in the applicable prospectus supplement, each indenture shall be satisfied and discharged if (i) we shall deliver to the trustee all debt securities then outstanding for cancellation or (ii) all debt securities not delivered to the trustee for cancellation shall have become due and payable, are to become due and payable within one year or are to be called for redemption within one year and we shall deposit an amount sufficient to pay the principal, premium, if any, and interest to the date of maturity, redemption or deposit (in the case of debt securities that have become due and payable), provided that in either case we shall have paid all other sums payable under that indenture.

The Senior Indenture provides, and the Subordinated Indenture will provide, if such provision is made applicable to the debt securities of a series, that we may elect either (A) to defease and be discharged from any and all obligations with respect to any debt security of such series, or defeasance, or (B) to be released from our obligations with respect to such debt security under certain of the covenants and events of default under that indenture together with additional covenants that may be included for a particular series and that certain events of default shall not be events of default under that indenture with respect to such series (covenant defeasance), upon the deposit with the trustee (or other qualifying trustee), in trust for such purpose, of money or certain U.S. government obligations which through the payment of principal and interest in accordance with their terms will provide money, in an amount sufficient to pay the principal of (and premium, if any) and interest on such debt security, on the scheduled due dates.

In the case of defeasance or covenant defeasance, the holders of such debt securities will be entitled to receive payments in respect of such debt securities solely from such trust. Such a trust may only be established if, among other things, we have delivered to the trustee an opinion of counsel (as specified in the indentures) to the effect that the holders of the debt securities affected thereby will not recognize income, gain or loss for Federal

Table of Contents

income tax purposes as a result of such defeasance or covenant defeasance and will be subject to Federal income tax on the same amounts, in the same manner and at the same times as would have been the case if such defeasance or covenant defeasance had not occurred. Such opinion of counsel, in the case of defeasance under clause (A) above, must refer to and be based upon a ruling of the Internal Revenue Service or a change in applicable Federal income tax law occurring after the date of the applicable indenture.

Record Dates

The Senior Indenture provides, and the Subordinated Indenture will provide, that in certain circumstances we may establish a record date for determining the holders of outstanding debt securities of a series entitled to join in the giving of notice or the taking of other action under the applicable indenture by the holders of the debt securities of such series.

Subordinated Debt Securities

Subordinated debt securities will be subordinate, in right of payment, to all senior debt. Senior debt means, with respect to us, the principal, premium, if any, interest, fees, charges, expenses, reimbursement obligations, guarantees and other amounts owing on the following:

All indebtedness of ours, whether outstanding on the date of issuance or thereafter created, incurred or assumed, which is for money borrowed, or evidenced by a note or similar instrument given in connection with the acquisition of any business, properties or assets, including securities;

Any indebtedness of others of the kinds described in the preceding clause for the payment of which we are responsible or liable (directly or indirectly, contingently or otherwise) as guarantor or otherwise; and

Amendments, renewals, extensions and refundings of any indebtedness described above, unless in any instrument or instruments evidencing or securing such indebtedness or pursuant to which the same is outstanding, or in any such amendment, renewal, extension or refunding, it provides that such indebtedness is not senior or prior in right of payment to the subordinated debt securities.

Upon any distribution of our assets upon our dissolution, winding up, liquidation or reorganization, the payment of the principal, premium, if any, and interest, if any, on the subordinated debt securities will be subordinated, to the extent provided in the Subordinated Indenture, in right of payment to the prior payment in full of all of our senior debt. Our obligation to make payment of the principal, premium, if any, and interest, if any, on the subordinated debt securities will not otherwise be affected. In addition, no payment on account of principal and premium, if any, sinking fund or interest, if any, may be made on the subordinated debt securities at any time unless full payment of all amounts due in respect of the principal and premium, if any, sinking fund and interest, if any, on our senior debt has been made or duly provided for in money or money's worth.

Notwithstanding the foregoing, unless all of our senior debt has been paid in full, in the event that any payment or distribution made by us is received by the trustee or the holders of any of the subordinated debt securities, such payment or distribution must be paid over to the holders of our senior debt or a person acting on their behalf, to be applied toward the payment of all our senior debt remaining unpaid until all the senior debt has been paid in full. Subject to the payment in full of all of our senior debt, the rights of the holders of our subordinated debt securities will be subrogated to the rights of the holders of our senior debt.

By reason of this subordination, in the event of a distribution of our assets upon our insolvency, certain of our general creditors may recover more, ratably, than holders of our subordinated debt securities.

Table of Contents

Governing Law

The laws of the State of New York governs the Senior Indenture, will govern the Subordinated Indenture and will govern the debt securities issued under the indentures.

Street Name and Other Indirect Holders

Investors who hold securities in accounts at banks or brokers generally will not be recognized by us as legal holders of debt securities. This is called holding in street name. Instead, we would recognize only the bank or broker, or the financial institution that the bank or broker uses to hold its securities. These intermediary banks, brokers and other financial institutions pass along principal, interest and other payments on the debt securities, either because they agree to do so in their customer agreements or because they are legally required to do so. If you hold debt securities in street name, you should check with your own institution to find out, among other things:

How it handles payments and notices;

Whether it imposes fees or charges;

How it would handle voting if applicable;

Whether and how you can instruct it to send you debt securities registered in your own name so you can be a direct holder as described below; and

If applicable, how it would pursue rights under your debt securities if there were a default or other event triggering the need for holders to act to protect their interests.

Our obligations, as well as the obligations of the trustee under the indentures and those of any third parties employed by us or the trustee under either of the indentures, run only to persons who are registered as holders of debt securities issued under the applicable indenture. As noted above, we do not have obligations to you if you hold in street name or other indirect means, either because you choose to hold debt securities in that manner or because the debt securities are issued in the form of global securities as described below. For example, once we make payment to the registered holder, we have no further responsibility for the payment even if that holder is legally required to pass the payment along to you as a street name customer but does not do so.

Book-Entry Securities

The following description of book-entry securities will apply to any series of debt securities issued in whole or in part in the form of one or more global securities except as otherwise described in the applicable prospectus supplement.

Book-entry securities of like tenor and having the same date will be represented by one or more global securities deposited with and registered in the name of a depository that is a clearing agent registered under the Exchange Act. Beneficial interests in book-entry securities will be limited to institutions that have accounts with the depository, or participants, or persons that may hold interests through participants.

Ownership of beneficial interests by participants will only be evidenced by, and the transfer of that ownership interest will only be effected through, records maintained by the depository. Ownership of beneficial interests by persons that hold through participants will only be evidenced by, and the transfer of that ownership interest within such participant will only be effected through, records maintained by the participants. The laws of some jurisdictions require that certain purchasers of securities take physical delivery of such securities in definitive form. Such laws may impair the ability to transfer beneficial interests in a global security.

Table of Contents

Payment of principal of and any premium and interest on book-entry securities represented by a global security registered in the name of or held by a depository will be made to the depository, as the registered owner of the global security. Neither we, the trustee nor any agent of ours or the trustee will have any responsibility or liability for any aspect of the depository's records or any participant's records relating to or payments made on account of beneficial ownership interests in a global security or for maintaining, supervising or reviewing any of the depository's records or any participant's records relating to the beneficial ownership interests. Payments by participants to owners of beneficial interests in a global security held through such participants will be governed by the depository's procedures, as is now the case with securities held for the accounts of customers registered in street name, and will be the sole responsibility of such participants.

A global security representing a book-entry security will be exchangeable for definitive debt securities in registered form, of like tenor and of an equal aggregate principal amount registered in the name of, or is transferable in whole or in part to, a person other than the depository for that global security, only if:

the depository notifies us that it is unwilling or unable to continue as depository for that global security and we do not appoint a successor depository within 90 days after receiving that notice;

at any time the depository ceases to be a clearing agency registered under the Exchange Act and we do not appoint a successor depository within 90 days after becoming aware that the depository has ceased to be registered as a clearing agency;

we in our sole discretion determine that that the global security is so transferable or will be exchangeable for definitive securities in registered form and, in each case, notify the trustee of our decision;

an event of default with respect to the debt securities of that series has occurred and is continuing; or

other circumstances exist that have been specified in the terms of the debt securities of that series.

Any global security that is exchangeable pursuant to the preceding sentence shall be registered in the name or names of such person or persons as the depository shall instruct the trustee. It is expected that such instructions may be based upon directions received by the depository from its participants with respect to ownership of beneficial interests in such global security.

Except as provided above, owners of beneficial interests in a global security will not be entitled to receive physical delivery of debt securities in definitive form and will not be considered the holders thereof for any purpose under the indentures, and no global security shall be exchangeable, except for a security registered in the name of the depository. This means each person owning a beneficial interest in such global security must rely on the procedures of the depository and, if such person is not a participant, on the procedures of the participant through which such person owns its interest, to exercise any rights of a holder under the indentures. We understand that under existing industry practices, if we request any action of holders or an owner of a beneficial interest in such global security desires to give or take any action that a holder is entitled to give or take under the indentures, the depository would authorize the participants holding the relevant beneficial interests to give or take such action, and such participants would authorize beneficial owners owning through such participant to give or take such action or would otherwise act upon the instructions of beneficial owners owning through them.

DESCRIPTION OF OTHER SECURITIES

We will set forth in the applicable prospectus supplement a description of any warrants, purchase contracts, purchase units or depository shares that may be offered pursuant to this prospectus.

Table of Contents

DESCRIPTION OF CAPITAL STOCK

Common Stock

We may issue, either separately or together with other securities, including as a part of purchase units, shares of our common stock. Shares of common stock issued as part of purchase units may be attached to or separate from any other securities part of those purchase units. Under our Restated Certificate of Incorporation, we are authorized to issue up to 500,000,000 shares of our common stock. As of May 15, 2012, we had 107,134,110 shares of common stock issued and outstanding and had reserved 5,241,443 additional shares of common stock for issuance under our stock compensation plans.

A prospectus supplement relating to an offering of common stock or other securities convertible or exchangeable for, or exercisable into, common stock, or the settlement of which may result in the issuance of common stock, will describe the relevant terms of the offering, including the number of shares offered, any initial offering price and market price and dividend information, as well as, if applicable, information on other related securities.

The following summary is not complete and is not intended to give full effect to provisions of statutory or common law. You should refer to the applicable provisions of the following:

the Delaware General Corporation Law, as it may be amended from time to time;

our Restated Certificate of Incorporation, as it may be amended or further restated from time to time; and

our Bylaws, as they may be further amended or restated from time to time.

Dividends. The holders of our common stock are entitled to receive dividends when, as and if declared by our board of directors, out of funds legally available for their payment subject to the rights of holders of our preferred stock.

Voting Rights. The holders of our common stock are entitled to one vote per share on all matters submitted to a vote of stockholders.

Rights upon Liquidation. In the event of our voluntary or involuntary liquidation, dissolution or winding up, the holders of common stock will be entitled to share equally in any of our assets available for distribution after the payment in full of all debts and distributions and after the holders of all series of our outstanding preferred stock have received their liquidation preferences in full.

Miscellaneous. The outstanding shares of common stock are fully paid and nonassessable. The holders of common stock are not entitled to preemptive or redemption rights. Shares of common stock are not convertible into shares of any other class of capital stock. Computershare Shareowner Services LLC (formerly known as BNY Mellon Shareowner Services) is the transfer agent and registrar for the common stock.

Preferred Stock

We may elect to issue shares of our preferred stock from time to time, as described in the applicable prospectus supplement. We may issue shares of preferred stock separately or as a part of purchase units, and any such shares issued as part of purchase units may be attached to or separate from any other securities part of those purchase units. Shares of our preferred stock may have dividend, redemption, voting and liquidation rights taking priority over our common stock, and shares of our preferred stock may be convertible into our common stock.

Table of Contents

Our Board of Directors is authorized, subject to any limitations prescribed by law, to provide for the issuance of shares of preferred stock in one or more series. In addition, our Board of Directors is authorized to establish from time to time the number of shares to be included in each series of preferred stock and to fix the designation, powers (including but not limited to voting powers, if any), preferences and rights of the shares of each series of preferred stock and any qualifications, limitations or restrictions of each series of preferred stock. The number of authorized shares of preferred stock may be increased or decreased (but not below the number of shares thereof then outstanding) by the affirmative vote of the holders of a majority of the outstanding common stock, without a vote of the holders of the preferred stock, or of any series of preferred stock, unless a vote of any such holders is required pursuant to the terms of any preferred stock.

Our Restated Certificate of Incorporation authorizes our Board of Directors without further stockholder action, to provide for the issuance of up to 50,000,000 shares of preferred stock, in one or more series. As of the date of this prospectus, no shares of preferred stock have been issued, and 50,000,000 shares of preferred stock are available for issuance. We have 6,000,000 shares of preferred stock designated as Series A Junior Participating Preferred Stock in connection with our prior rights agreement, leaving 44,000,000 shares of preferred stock remaining available for designation as of the date of this prospectus.

The particular terms of any series of preferred stock being offered by us under this prospectus will be described in the prospectus supplement relating to that series of preferred stock. Those terms may include:

The title and liquidation preference per share of the preferred stock;

The number of shares offered;

The purchase price of the preferred stock;

The dividend rate (or method of calculation), the dates on which dividends will be paid and the date from which dividends will begin to accumulate;

Any redemption or sinking fund provisions of the preferred stock;

Any conversion provisions of the preferred stock;

The voting rights, if any, of the preferred stock; and

Any additional dividend, liquidation, redemption, sinking fund and other rights, preferences, privileges, limitations and restrictions of the preferred stock.

If the terms of any series of preferred stock being offered differ from the terms set forth in this prospectus, the definitive terms will be disclosed in the applicable prospectus supplement. The summary in this prospectus is not complete. You should refer to the applicable Certificate of Amendment to our Restated Certificate of Incorporation or certificate of designations, as the case may be, establishing a particular series of preferred stock, in either case which will be filed with the Secretary of State of the State of Delaware and the SEC in connection with an offering of preferred stock.

The preferred stock will, when issued, be fully paid and nonassessable.

Dividend Rights. The preferred stock will be preferred over our common stock as to payment of dividends. Before any dividends or distributions (other than dividends or distributions payable in common stock) on our common stock will be declared and set apart for payment or paid, the holders of shares of each series of preferred stock will be entitled to receive dividends when, as and if declared by our board of directors. We

will pay those dividends either in cash, shares of common stock or preferred stock or otherwise, at the rate and on the date or dates

Table of Contents

set forth in the applicable prospectus supplement. With respect to each series of preferred stock, the dividends on each share of the series will be cumulative from the date of issue of the share unless another date is set forth in the applicable prospectus supplement relating to the series. Accruals of dividends will not bear interest.

Rights upon Liquidation. The preferred stock will be preferred over our common stock as to assets so that the holders of each series of preferred stock will be entitled to be paid, upon our voluntary or involuntary liquidation, dissolution or winding up and before any distribution is made to the holders of common stock, the amount set forth in the applicable prospectus supplement. However, in this case the holders of preferred stock will not be entitled to any other or further payment. If upon any liquidation, dissolution or winding up our net assets are insufficient to permit the payment in full of the respective amounts to which the holders of all outstanding preferred stock are entitled, our entire remaining net assets will be distributed among the holders of each series of preferred stock in amounts proportional to the full amounts to which the holders of each series are entitled.

Redemption. All shares of any series of preferred stock will be redeemable to the extent set forth in the prospectus supplement relating to the series. All shares of any series of preferred stock will be convertible into shares of our common stock or into shares of any other series of our preferred stock to the extent set forth in the applicable prospectus supplement.

Voting Rights. Except as indicated in the applicable prospectus supplement, the holders of preferred stock will be entitled to one vote for each share of preferred stock held by them on all matters properly presented to stockholders. The holders of common stock and the holders of all series of preferred stock will vote together as one class.

Additional Series of Preferred Stock. In the event of a proposed merger or tender offer, proxy contest or other attempt to gain control of us and not approved by our board of directors, it would be possible for the board to authorize the issuance of one or more series of preferred stock with voting rights or other rights and preferences which would impede the success of the proposed merger, tender offer, proxy contest or other attempt to gain control of us. This authority may be limited by applicable law, our Restated Certificate of Incorporation, as it may amended or further restated from time to time, and the applicable rules of the stock exchanges upon which the common stock is listed. The consent of our stockholders would not be required for any such issuance of preferred stock.

Special Charter Provisions. Our Restated Certificate of Incorporate provides that:

our Board of Directors is classified into three classes;

in addition to the requirements of law and the other provisions of our Restated Certificate of Incorporation, the affirmative vote of at least two-thirds of the outstanding shares of our common stock is required for the adoption or authorization of any of the following events unless the event has been approved at a meeting of our Board of Directors by the vote of more than two-thirds of the incumbent members of our Board of Directors:

any merger or consolidation of us with or into any other corporation;

any sale, lease, exchange, transfer or other disposition, but excluding a mortgage or any other security device, of all or substantially all of our assets;

any merger or consolidation of a Significant Shareholder (as defined in our Restated Certificate of Incorporation) with or into us or a direct or indirect subsidiary of ours;

any sale, lease, exchange, transfer or other disposition to us or to a direct or indirect subsidiary of ours of any of our common stock held by a Significant Shareholder or any other assets of a Significant Shareholder which, if included with all other dispositions consummated during the

Table of Contents

same fiscal year of ours by the same Significant Shareholder, would result in dispositions of assets having an aggregate fair value in excess of five percent of our total consolidated assets as shown on our certified balance sheet as of the end of the fiscal year preceding the proposed disposition;

any reclassification of our common stock, or any re-capitalization involving our common stock, consummated within five years after a Significant Shareholder becomes a Significant Shareholder, whereby the number of outstanding shares of common stock is reduced or any of those shares are converted into or exchanged for cash or other securities;

any dissolution; and

any agreement, contract or other arrangement providing for any of these transactions but notwithstanding anything not including any merger pursuant to the Delaware General Corporation Law, as amended from time to time, which does not require a vote of our stockholders for approval;

our stockholders may not adopt, amend or repeal our Amended and Restated Bylaws other than by the affirmative vote of 75% of the combined voting power of all of our outstanding voting securities entitled to vote generally in an election of directors, voting together as a single class;

any action required or permitted to be taken by our stockholders must be effected at a duly called annual or special meeting of stockholders and may not be effected by the written consent of the stockholders; and

special meetings of the stockholders may be called at any time by a majority of our directors and may not be called by any other person or persons or in any other manner.

PLAN OF DISTRIBUTION

We may sell the securities in one or more of the following ways:

To underwriters, whether or not part of a syndicate, for public offering and sale by them;

Directly to purchasers in negotiated sales or in competitively bid transactions;

Through agents;

Through dealers; or

Through a combination of any of the above methods of sale.

Offers to purchase securities may be solicited directly by us or by agents designated by us from time to time. Any agent, who may be deemed to be an underwriter, as that term is defined in the Securities Act, involved in the offer and sale of the securities will be named, and any commissions payable by us to that agent will be provided, in an applicable prospectus supplement. We and our agents may sell the securities at:

Edgar Filing: ALLEGHENY TECHNOLOGIES INC - Form 424B5

A fixed price or prices, which may be changed;

Market prices prevailing at the time of sale;

Prices related to such prevailing market prices; or

Negotiated prices.

Table of Contents

Underwriters, dealers and agents participating in the distribution of the securities may be deemed to be underwriters, and any discounts and commissions received by them and any profit realized by them on resale of the securities may be deemed to be underwriting discounts and commissions under the Securities Act. Underwriters, dealers and agents may be entitled, under agreements with us, to indemnification against and contribution toward certain civil liabilities, including liabilities under the Securities Act, and to reimbursement by us for certain expenses. Unless otherwise described in an applicable prospectus supplement, the obligations of the underwriters to purchase offered securities will be subject to conditions, and the underwriters must purchase all of the offered securities if any are purchased.

If an underwriter or underwriters are used in the offer or sale of securities, we will execute an underwriting agreement with the underwriters at the time of sale of the securities to the underwriters, and the names of the underwriters and the principal terms of our agreements with the underwriters will be provided in an applicable prospectus supplement.

The securities subject to the underwriting agreement may be acquired by the underwriters for their own account and may be resold by them from time to time in one or more transactions, including negotiated transactions, at a fixed offering price or at varying prices determined at the time of sale. Underwriters may be deemed to have received compensation from us in the form of underwriting discounts or commissions and may also receive commissions from the purchasers of these securities for whom they may act as agent. Underwriters may sell these securities to or through dealers. These dealers may receive compensation in the form of discounts, concessions or commissions from the underwriters and commissions from the purchasers for whom they may act as agent. Any initial offering price and any discounts or concessions allowed or re-allowed or paid to dealers may be changed from time to time.

In connection with underwritten offerings of the securities, the underwriters may engage in over-allotment, stabilizing transactions, covering transactions and penalty bids in accordance with Regulation M under the Exchange Act, as follows:

Over-allotment transactions involve sales in excess of the offering size, which create a short position for the underwriters;

Stabilizing transactions permit bids to purchase the underlying security so long as the stabilizing bids do not exceed a specified maximum;

Covering transactions involve purchases of the securities in the open market after the distribution has been completed in order to cover short positions; and

Penalty bids permit the underwriters to reclaim a selling concession from a broker/dealer when the securities originally sold by that broker-dealer are repurchased in a covering transaction to cover short positions.

These stabilizing transactions, covering transactions and penalty bids may cause the price of the securities to be higher than it otherwise would be in the absence of these transactions. If these transactions occur, they may be discontinued at any time.

If indicated in an applicable prospectus supplement, we will authorize dealers acting as agents for us to solicit offers by certain institutions to purchase securities from us at the public offering price set forth in the prospectus supplement under delayed delivery contracts providing for payment and delivery on the date or dates stated in the prospectus supplement. The identity of any such agents, the terms of such delayed delivery contracts and the commissions payable by us to these agents will be set forth in an applicable prospectus supplement.

Table of Contents

If indicated in an applicable prospectus supplement, we may sell shares of our common stock under a newly established direct stock purchase and dividend reinvestment plan. The terms of any such plan will be set forth in the applicable prospectus supplement.

Each underwriter, dealer and agent participating in the distribution of any of the securities that are issuable in bearer form will agree that it will not offer, sell or deliver, directly or indirectly, securities in bearer form in the United States or to U.S. persons, other than qualifying financial institutions, during the restricted period, as defined in U.S. Treasury Regulations Section 1.163-5(c)(2)(i)(D)(7).

Except for shares of our common stock or as otherwise described in an applicable prospectus supplement, all of the securities will be a new issue of securities with no established trading market. Any underwriters to whom or agents through whom the securities are sold by us for public offering and sale may make a market in the securities, but such underwriters or agents will not be obligated to do so and may discontinue any market making at any time without notice. No assurance can be given as to the liquidity of the trading market for any such securities.

Certain of the underwriters, dealers or agents and their associates may be customers of, engage in transactions with and perform services for us and our subsidiaries in the ordinary course of business.

LEGAL MATTERS

Unless otherwise indicated in the applicable prospectus supplement, the validity of the securities offered by us will be passed upon for us by Elliot S. Davis, Senior Vice President, General Counsel, Chief Compliance Officer and Corporate Secretary of Allegheny Technologies Incorporated, or by K&L Gates LLP, Pittsburgh, Pennsylvania. Mr. Davis is paid a salary by Allegheny Technologies Incorporated, is a participant in various employee benefit plans offered to its employees and beneficially owns, or has rights to acquire, an aggregate of less than one percent of the shares of our outstanding common stock.

EXPERTS

The consolidated financial statements of Allegheny Technologies Incorporated appearing in Allegheny Technologies Incorporated's Annual Report (Form 10-K) for the year ended December 31, 2011 and the effectiveness of Allegheny Technologies Incorporated's internal control over financial reporting as of December 31, 2011 have been audited by Ernst & Young LLP, independent registered public accounting firm, as set forth in their reports thereon, included therein, and incorporated herein by reference. Such consolidated financial statements and Allegheny Technologies Incorporated management's assessment of the effectiveness of internal control over financial reporting as of December 31, 2011 are incorporated herein by reference in reliance upon such reports given on the authority of such firm as experts in accounting and auditing.

Table of Contents

\$500,000,000

Allegheny Technologies Incorporated

5.875% Senior Notes due 2023

PROSPECTUS SUPPLEMENT

Joint Book-Running Managers

BofA Merrill Lynch

J.P.Morgan

Co-Managers

BNY Mellon Capital Markets LLC

Citigroup

Credit Suisse

HSBC

Morgan Stanley

PNC Capital Markets LLC

Wells Fargo Securities

July 12, 2013

