

ADVANCED ENERGY INDUSTRIES INC

Form 10-Q

May 09, 2007

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**UNITED STATES SECURITIES AND EXCHANGE COMMISSION  
Washington, D.C. 20549**

**FORM 10-Q**

**(Mark One)**

**QUARTERLY REPORT PURSUANT TO SECTION 13 OR 15(d) OF THE SECURITIES EXCHANGE ACT OF 1934.**

**For the quarterly period ended March 31, 2007.**

**TRANSITION REPORT PURSUANT TO SECTION 13 OR 15(d) OF THE SECURITIES EXCHANGE ACT OF 1934.**

**For the transition period from \_\_\_\_\_ to \_\_\_\_\_.**

Commission file number: **000-26966**  
**ADVANCED ENERGY INDUSTRIES, INC.**

(Exact name of registrant as specified in its charter)

**Delaware** **84-0846841**

(State or other jurisdiction of incorporation or organization) (I.R.S. Employer Identification No.)

**1625 Sharp Point Drive, Fort Collins, CO** **80525**

(Address of principal executive offices) (Zip Code)

Registrant's telephone number, including area code: **(970) 221-4670**

Indicate by check mark whether the registrant: (1) has filed all reports required to be filed by Section 13 or 15(d) of the Securities Exchange Act of 1934 during the preceding 12 months (or for such shorter period that the registrant was required to file such reports), and (2) has been subject to such filing requirements for the past 90 days. Yes  No .

Indicate by check mark whether the registrant is a large accelerated filer, an accelerated filer, or a non-accelerated filer. See definition of "accelerated filer and large accelerated filer" in Rule 12b-2 of the Exchange Act. (Check one):

Large accelerated filer  Accelerated filer  Non-accelerated filer

Indicate by check mark whether the registrant is a shell company (as defined in Rule 12b-2 of the Exchange Act). Yes  No .

As of May 7, 2007, there were 45,169,861 shares of the registrant's Common Stock, par value \$0.001 per share, outstanding.

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**Table of Contents****PART I FINANCIAL INFORMATION****ITEM 1. UNAUDITED CONDENSED CONSOLIDATED FINANCIAL STATEMENTS****ADVANCED ENERGY INDUSTRIES, INC. AND SUBSIDIARIES****Condensed Consolidated Balance Sheets (Unaudited)****(In thousands)**

	<b>March 31, 2007</b>	<b>December 31, 2006</b>
<b>ASSETS</b>		
<b>CURRENT ASSETS:</b>		
Cash and cash equivalents	\$ 51,073	\$ 58,240
Marketable securities	105,259	85,978
Trade accounts receivable, net	73,474	71,956
Inventories	57,655	52,778
Deferred income taxes	19,677	24,434
Other current assets	6,532	7,341
Total current assets	313,670	300,727
PROPERTY AND EQUIPMENT, net	31,647	33,571
<b>OTHER ASSETS:</b>		
Deposits and other	7,690	2,640
Goodwill	59,038	58,679
Other intangible assets, net	6,643	6,905
Customer service equipment, net	616	832
Deferred income tax assets, net	8,833	8,549
Total assets	\$ 428,137	\$ 411,903
<b>LIABILITIES AND STOCKHOLDERS EQUITY</b>		
<b>CURRENT LIABILITIES:</b>		
Trade accounts payable	\$ 17,428	\$ 16,310
Taxes payable	6,761	7,741
Accrued payroll and employee benefits	12,191	16,899
Accrued warranty expense	7,865	7,845
Accrued restructuring charges	1,939	
Capital lease obligations, current portion	127	131
Other current liabilities	1,414	4,003
Total current liabilities	47,725	52,929
<b>LONG-TERM LIABILITIES:</b>		
Capital leases, net of current portion	175	198
Deferred income tax liabilities, net	1,868	1,971

Other long-term liabilities	7,748	1,015
Total long-term liabilities	9,791	3,184
Total liabilities	57,516	56,113
Commitments and contingencies (Note 11)		
STOCKHOLDERS' EQUITY	370,621	355,790
Total liabilities and stockholders' equity	\$ 428,137	\$ 411,903

The accompanying notes to condensed consolidated financial statements are an integral part of these condensed consolidated statements.

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**ADVANCED ENERGY INDUSTRIES, INC. AND SUBSIDIARIES**  
**Condensed Consolidated Statements of Income (Unaudited)**  
(In thousands, except per share amounts)

	<b>Three Months Ended March</b>	
	<b>31,</b>	
	<b>2007</b>	<b>2006</b>
SALES	\$ 107,323	\$ 93,950
COST OF SALES	59,014	55,400
Gross profit	48,309	38,550
OPERATING EXPENSES:		
Research and development	12,035	10,459
Selling, general and administrative	15,542	14,882
Restructuring charges	2,792	29
Total operating expenses	30,369	25,370
INCOME FROM OPERATIONS	17,940	13,180
OTHER INCOME	1,554	1,833
Income before income taxes	19,494	15,013
PROVISION FOR INCOME TAXES	(6,823)	(2,252)
NET INCOME	\$ 12,671	\$ 12,761
BASIC EARNINGS PER SHARE	\$ 0.28	\$ 0.29
DILUTED EARNINGS PER SHARE	\$ 0.28	\$ 0.28
BASIC WEIGHTED-AVERAGE COMMON SHARES OUTSTANDING	44,941	44,571
DILUTED WEIGHTED-AVERAGE COMMON SHARES OUTSTANDING	45,636	45,004

The accompanying notes to condensed consolidated financial statements  
are an integral part of these condensed consolidated statements.

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**ADVANCED ENERGY INDUSTRIES, INC. AND SUBSIDIARIES**  
**Condensed Consolidated Statements of Cash Flows (Unaudited)**  
(In thousands)

	Three Months Ended March	
	2007	2006
<b>CASH FLOWS FROM OPERATING ACTIVITIES:</b>		
Net income	\$ 12,671	\$ 12,761
Adjustments to reconcile net income to net cash provided by operating activities		
Depreciation and amortization	3,130	4,123
Stock-based compensation	821	779
Provision for deferred income taxes	4,343	4
Gain on sale of marketable securities	(31)	(1,670)
Changes in operating assets and liabilities		
Accounts receivable, net	(1,137)	(3,099)
Inventories	(4,863)	490
Other current assets	812	1,950
Trade accounts payable	1,105	(529)
Other current liabilities and accrued expenses	(4,426)	(780)
Income taxes payable/receivable, net	(1,024)	583
Non-current assets	23	91
Non-current liabilities	646	64
Net cash provided by operating activities	12,070	14,767
<b>CASH FLOWS FROM INVESTING ACTIVITIES:</b>		
Purchase of marketable securities	(19,651)	(1,990)
Proceeds from sale of equity securities	301	1,992
Purchase of property and equipment	(1,452)	(730)
Net cash used in investing activities	(20,802)	(728)
<b>CASH FLOWS FROM FINANCING ACTIVITIES:</b>		
Payments on senior borrowings and capital lease obligations	(30)	(630)
Proceeds from common stock transactions, net	1,390	1,509
Net cash provided by financing activities	1,360	879
EFFECT OF CURRENCY TRANSLATION ON CASH	205	173
(DECREASE) INCREASE IN CASH AND CASH EQUIVALENTS	(7,167)	15,091
CASH AND CASH EQUIVALENTS, beginning of period	58,240	52,874

CASH AND CASH EQUIVALENTS, end of period	\$ 51,073	\$ 67,965
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SUPPLEMENTAL DISCLOSURE OF CASH FLOW INFORMATION:

Cash paid for interest	\$ 19	\$ 99
Cash paid for income taxes	\$ 3,460	\$ 1,610

The accompanying notes to condensed consolidated financial statements  
are an integral part of these condensed consolidated statements.



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**ADVANCED ENERGY INDUSTRIES, INC. AND SUBSIDIARIES**  
**Notes to Condensed Consolidated Financial Statements (Unaudited)**

**(1) BASIS OF PRESENTATION AND SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES**

In the opinion of management, the accompanying unaudited condensed consolidated balance sheets, statements of income and cash flows contain all adjustments, consisting of normal, recurring adjustments necessary to present fairly the financial position of Advanced Energy Industries, Inc., a Delaware corporation, and its wholly owned subsidiaries (the Company ) at March 31, 2007 and December 31, 2006, and the results of their operations and cash flows for the three-month periods ended March 31, 2007 and 2006.

The unaudited condensed consolidated financial statements presented herein have been prepared in accordance with the instructions to Form 10-Q and do not include all the information and note disclosures required by accounting principles generally accepted in the United States. The condensed consolidated financial statements should be read in conjunction with the audited consolidated financial statements and notes thereto contained in the Company s Annual Report on Form 10-K for the year ended December 31, 2006.

*ESTIMATES AND ASSUMPTIONS* The preparation of the Company s condensed consolidated financial statements in conformity with accounting principles generally accepted in the United States requires the Company s management to make estimates and assumptions that affect the reported amounts of assets and liabilities, and disclosure of contingent assets and liabilities at the date of the financial statements and the reported amounts of revenue and expenses during the reporting period. Significant estimates are used when establishing allowances for doubtful accounts, determining useful lives for depreciation and amortization, assessing the need for impairment charges, establishing warranty reserves, establishing the fair value and forfeiture rate of stock-based compensation, accounting for income taxes, and assessing excess and obsolete inventory and various others items. The Company evaluates these estimates and judgments on an ongoing basis and bases its estimates on historical experience, current conditions and various other assumptions that are believed to be reasonable under the circumstances. The results of these estimates form the basis for making judgments about the carrying values of assets and liabilities as well as identifying and assessing the accounting treatment with respect to commitments and contingencies. Actual results may differ from these estimates under different assumptions or conditions.

*NEW ACCOUNTING PRONOUNCEMENTS* In June 2006, the Financial Accounting Standards Board ( FASB ) issued FASB Interpretation No. 48 Accounting for Uncertainty in Income Taxes an interpretation of FASB Statement 109 ( FIN 48 ). FIN 48 establishes a single model to address accounting for uncertain tax positions. FIN 48 clarifies the accounting for income taxes by prescribing a minimum recognition threshold a tax position is required to meet before being recognized in the financial statements. FIN 48 also provides guidance on derecognition, measurement classification, interest and penalties, accounting in interim periods, disclosure and transition. See Footnote No. 3, Income Taxes, for additional information.

In September 2006, the FASB issued Statement of Financial Accounting Standard ( SFAS ) No. 157, Fair Value Measurements (SFAS No. 157). SFAS No. 157 establishes a

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common definition for fair value to be applied to generally accepted accounting principles requiring use of fair value, establishes a framework for measuring fair value, and expands disclosure about such fair value measurements. SFAS No. 157 is effective for fiscal years beginning after November 15, 2007. The Company is currently assessing the impact of SFAS No. 157 and does not expect the adoption to have an impact on its consolidated financial position and results of operations.

In February 2007, the FASB issued SFAS No. 159 *The Fair Value Option for Financial Assets and Financial Liabilities* (SFAS No. 159). SFAS No. 159 permits entities to choose to measure many financial assets and financial liabilities at fair value. Unrealized gains and losses on items for which the fair value option has been elected are reported in earnings. SFAS No. 159 is effective for fiscal years beginning after November 15, 2007. The Company is currently assessing the impact of SFAS No. 159 and does not expect the adoption to have an impact on its consolidated financial position and results of operations.

In June 2006, the Emerging Issues Task Force (EITF) of the Financial Accounting Standards Board (FASB) reached a consensus on Issue No. 06-03, *How Taxes Collected from Customers and Remitted to Governmental Authorities Should Be Presented in the Income Statement (That Is, Gross versus Net Presentation)*. This consensus provides that the presentation of taxes assessed by a governmental authority that is directly imposed on a revenue-producing transaction between a seller and a customer on either a gross basis (included in revenues and costs) or on a net basis (excluded from revenues) is an accounting policy decision that should be disclosed. The provisions of EITF 06-03 become effective for interim and annual reporting periods beginning after December 15, 2006. The Company currently presents taxes resulting from revenue based transaction on a net basis and has determined to keep that policy in place. As a result of this policy, the adoption of EITF 06-03 did not have an impact on the Company's consolidated financial position or results of operations.

**REVENUE RECOGNITION** The Company's standard shipping term is freight on board ( FOB ) shipping point, for which revenue is recognized upon shipment of its products, at which time title passes to the customer, the price is fixed and collectibility is reasonably assured. For certain customers, the Company has FOB destination terms, for which revenue is recognized upon receipt of the products by the customer, at which time title passes to the customer, the price is fixed and collectibility is reasonably assured. Revenues from contracts that contain certain customer acceptance provisions are deferred until customer acceptance occurs. Generally, the Company does not have obligations to its customers after its products are shipped under FOB shipping point terms, after its products are received by customers under FOB destination terms, and after the products are accepted by customers under contractual acceptance provisions, other than pursuant to warranty obligations. In limited instances, the Company provides installation of its products. In accordance with Emerging Issues Task Force Issue 00-21 *Accounting for Revenue Arrangements With Multiple Deliverables*, the Company allocates revenue based on the fair value of the delivered item, generally the product, and the undelivered item, installation, based on their respective fair values. Revenue related to the undelivered item is deferred until the services have been completed.

In certain instances, the Company requires its customers to pay for a portion or all of their purchases prior to the Company building or shipping these products. Cash payments received prior to shipment are recorded as customer deposits and deferred revenue in the condensed consolidated balance sheets, and then recognized as revenue as appropriate based upon the transfer of title of the products. The Company does not offer price protections to its customers or allow returns, unless covered by its normal policy for repair of defective products.

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**WARRANTY RESERVE POLICY** The Company generally warrants its products for periods typically ranging from 12 to 24 months after shipment. The Company estimates the anticipated costs of repairing products under warranty based on warranties claim experience as well as the historical cost of the repairs and expected failure rates. The assumptions used to estimate warranty accruals are reevaluated periodically in light of actual experience and, when appropriate, the accruals are adjusted. The Company's determination of the appropriate level of warranty accrual is subjective and based on estimates. Estimated warranty costs are recorded at the time of sale of the related product, and are recorded within cost of sales in the condensed consolidated statements of operations.

The Company recorded warranty charges of \$2.3 million in the three months ended March 31, 2007 and \$2.6 million in three months ended March 31, 2006

Included within the warranty charges is \$219,000 for the three months ended March 31, 2007, and \$378,000 for the three months ended March 31, 2006 for amortization of customer service equipment. This equipment is manufactured product that is utilized as replacement and loaner equipment to existing customers and is amortized over a useful life of one year.

The following table summarizes the activity in the Company's warranty reserve during the 2007 and 2006 periods:

<b>(In thousands)</b>	<b>Three Months Ended March 31,</b>	
	<b>2007</b>	<b>2006</b>
Balance at beginning of period	\$ 7,845	\$ 6,313
Provisions	2,289	2,255
Usages	(2,269)	(2,568)
Balance at end of period	\$ 7,865	\$ 6,000

**EXCESS AND OBSOLETE INVENTORY** Inventory is written down or written off when it is deemed excess or becomes obsolete, which generally occurs due to engineering changes to a product or discontinuance of a product line. Judgment by management is necessary in estimating the net realizable value of inventory based primarily upon forecasts of product demand. Charges for excess and obsolete inventory are recorded within cost of sales or research and development in the condensed consolidated statement of operations.

**COMMITMENTS AND CONTINGENCIES** From time to time, the Company is involved in disputes and legal actions arising in the normal course of its business. The Company accrues loss contingencies in connection with its commitments and contingencies, including litigation, when it is probable that a loss has occurred or may occur and the amount of the loss can be reasonably estimated.

**GOODWILL AND OTHER INTANGIBLE ASSETS** Goodwill represents the excess of the cost over the fair market value of net tangible and identifiable intangible assets of acquired businesses.

Goodwill and certain other intangible assets with indefinite lives are not amortized. Instead, goodwill and other indefinite-lived intangible assets are subject to periodic (at least annual) tests for impairment. For the periods presented, the Company did not have any indefinite-lived intangible assets, other than goodwill. Impairment testing is performed in two steps: (i) goodwill is assessed for potential impairment by comparing the fair value of the Company's reporting unit

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with the carrying value, and (ii) if potential impairment is indicated because the reporting unit's fair value is less than its carrying amount, the amount of impairment loss is measured by comparing the implied fair value of goodwill with the carrying amount of that goodwill.

Finite-lived intangible assets continue to be amortized using the straight-line method over their estimated useful lives and are reviewed for impairment whenever events or circumstances indicate that their carrying amount may not be recoverable.

**(2) STOCK-BASED COMPENSATION**

The Company recognizes stock-based compensation expense in accordance with the provisions of Statement of Financial Accounting Standards No. 123R ( SFAS 123R ) Share-Based Payment . Stock-based compensation was \$821,000 and \$779,000 for the three months ended March 31, 2007 and 2006, respectively.

*Stock Options*

A summary of our stock option activity for the quarter ended March 31, 2007 is as follows:

(In thousands, except fair values)	Shares	Weighted- average Grant-date Fair Value
Options outstanding at December 31, 2006	3,082	\$ 18.78
Options granted	156	20.19
Options exercised	(141)	11.73
Options cancelled	(86)	20.37
Options outstanding at March 31, 2007	3,011	\$ 19.14
Exercisable at March 31, 2007	2,256	\$ 20.81

The total intrinsic value of options exercised during the quarter ended March 31, 2007 and 2006 was \$1.2 million and \$699,000, respectively, determined as of the exercise date. As of March 31, 2007, there was \$5.4 million of total unrecognized compensation cost related to stock options granted and outstanding, which is expected to be recognized through fiscal year 2011, with a weighted average remaining vesting period of 1.5 years. Cash received from stock option exercises was \$1.7 million during the quarter ended March 31, 2007. The fair value of each option is estimated on the date of grant using the Black-Scholes option pricing model with the following weighted-average assumptions:

	Three months ended March 31,	
	2007	2006
Risk-free interest rates	4.7%	4.7%
Expected dividend yield rates	0.0%	0.0%
Expected lives	5.5 years	5.5 years
Expected volatility	60.5%	65.7%
Expected forfeiture rate	22%	22%

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A summary of the Company's non-vested RSU activity for the quarter ended March 31, 2007 is as follows:

(In thousands, except fair values)	Shares	Weighted Average Grant Date Fair Value
Balance outstanding at December 31, 2006	383	\$ 11.42
RSUs granted	90	15.44
RSUs vested	(55)	7.74
RSUs forfeited	(10)	11.01
Balance outstanding at March 31, 2007	408	\$ 11.42

The fair value of the Company's RSUs is determined based upon the closing fair market value of the Company's common stock on the grant date. As of March 31, 2007, there was \$5.7 million of total unrecognized compensation cost related to non-vested RSUs granted, which cost is expected to be recognized over a weighted average period of 2.8 years. During the quarter ended March 31, 2007, the total fair value of RSUs which vested was \$1 million, based upon the closing fair market value of the Company's common stock on the date the underlying common stock was released to the recipient.

*Employee Stock Purchase Plan (the ESPP)*

During the three months ended March 31, 2007, no purchase rights were granted under the ESPP. As of March 31, 2007, there was \$22,000 of total unrecognized compensation cost related to the ESPP that is expected to be recognized over a remaining period of two months.

**(3) INCOME TAXES**

We adopted the provisions of FIN48 as of January 1, 2007. Upon adoption, the Company increased the long-term liability associated with uncertain tax positions by \$6 million and also increased the long-term receivable of \$5 million consisting of offsetting tax benefits. The balance of \$1 million is an adjustment to the opening balance of retained earnings on January 1, 2007. If recognized, the \$1 million would affect our effective tax rate. There have been no significant changes to these amounts during the quarter ended March 31, 2007.

The tax years 2003 through 2006 remain open to examination by the United States taxing jurisdictions to which we are subject. The foreign taxing jurisdictions have open tax years from 2001 through 2006. In accordance with our accounting policy, we recognize accrued interest and penalties related to unrecognized tax benefits as a component of tax expense. This policy did not change as a result of the adoption of FIN 48. We did not have any accrued interest or penalties at December 31, 2006. We do not anticipate a material change to the amount of unrecognized tax positions within the next 12 months.

While we believe we have adequately provided for all tax positions, amounts asserted by taxing authorities could materially differ from our accrued positions as a result of uncertain and complex application of tax regulations. Additionally, the recognition and measurement of certain tax benefits includes estimates and judgment by management and inherently includes subjectivity. Accordingly, additional provisions on federal and foreign tax-related matters could

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be recorded in the future as revised estimates are made or the underlying matters are settled or otherwise resolved.

**(4) RESTRUCTURING**

On March 2, 2007, the Company announced that it will be closing its manufacturing, distribution, and research and development facility located in Stolberg, Germany and transferring the manufacturing at this facility to the Company's facilities in Shenzhen, China and Fort Collins, Colorado. Related to this manufacturing transition, the Company recorded restructuring charges in the first quarter of 2007 of \$2.8 million, consisting primarily of the accrual of employee severance and severance benefit costs associated with the planned reduction of employees at this facility as well as an asset impairment charge of approximately \$900,000 relating to the write-down of certain real and personal property located at this facility to estimated fair value. The majority of the employee severance and severance benefit costs are expected to be paid over the next nine months. The restructuring is expected to impact 69 employees. At March 31, 2007, the Company's restructuring reserve was approximately \$1.9 million primarily relating to severance and severance benefit costs.

**(5) MARKETABLE SECURITIES**

Marketable securities consisted of the following:

	<b>March 31, 2007</b>	<b>December 31, 2006</b>
	<b>(In thousands)</b>	
Commercial paper	\$ 28,234	\$ 29,910
Certificates of deposit	1,004	3,404
Municipal bonds and notes	57,238	51,193
Institutional money markets	18,783	1,471
Total marketable securities	\$ 105,259	\$ 85,978

These marketable securities are classified as available-for-sale and are stated at period end market value. The commercial paper consists of high credit quality, short-term instruments with maturities or reset dates of approximately 120 days.

**(6) ACCOUNTS RECEIVABLE**

Accounts receivable consisted of the following:

	<b>March 31, 2007</b>	<b>December 31, 2006</b>
	<b>(In thousands)</b>	
Trade accounts receivable, gross	\$ 73,950	\$ 72,501
Allowance for doubtful accounts	(476)	(545)
Trade accounts receivable, net	\$ 73,474	\$ 71,956

**(7) INVENTORIES**

Inventories consisted of the following:

	<b>March 31, 2007</b>	<b>December 31, 2006</b>
	<b>(In thousands)</b>	
Parts and raw materials	\$ 40,581	\$ 39,516

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Work in process	5,729	3,190
Finished goods	11,345	10,072
Total inventories	\$ 57,655	\$ 52,778

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Inventories include costs of materials, direct labor and manufacturing overhead. Inventories are valued at the lower of cost or market, computed on a first-in, first-out basis and are presented net of reserves for excess and obsolete inventory.

**(8) GOODWILL AND OTHER INTANGIBLE ASSETS**

Goodwill and amortizable intangible assets consisted of the following as of March 31, 2007:

	<b>Gross</b>	<b>Cumulative Effect of Changes in</b>		<b>Net</b>	<b>Weighted-</b>
	<b>Carrying Amount</b>	<b>Exchange Rates</b>	<b>Accumulated Amortization</b>	<b>Carrying Amount</b>	<b>Average Useful Life (Years)</b>
(In thousands, except weighted-average useful life)					
Amortizable intangible assets:					
Technology-based	\$ 7,015	\$ 1,484	\$ (7,661)	\$ 838	5
Trademarks and other	8,604	1,632	(4,431)	5,805	17
Total amortizable intangible assets	15,619	3,116	(12,092)	6,643	12
Goodwill	49,766	9,272		59,038	
Total goodwill and amortizable intangible assets	\$ 65,385	\$ 12,388	\$ (12,092)	\$ 65,681	

Goodwill and amortizable intangible assets consisted of the following as of December 31, 2006:

	<b>Gross</b>	<b>Cumulative Effect of Changes in</b>		<b>Net</b>	<b>Weighted-</b>
	<b>Carrying Amount</b>	<b>Exchange Rates</b>	<b>Accumulated Amortization</b>	<b>Carrying Amount</b>	<b>Average Useful Life (Years)</b>
(In thousands, except weighted-average useful life)					
Amortizable intangible assets:					
Technology-based	\$ 7,015	\$ 1,477	\$ (7,499)	\$ 993	5
Trademarks and other	8,604	1,578	(4,270)	5,912	17
Total amortizable intangible assets	15,619	3,055	(11,769)	6,905	12
Goodwill	49,766	8,913		58,679	
Total goodwill and amortizable intangible assets	\$ 65,385	\$ 11,968	\$ (11,769)	\$ 65,584	



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Amortization expense related to intangible assets for the first quarter of 2007 was \$324,000 and for the first quarter of 2006 was \$477,000. Estimated amortization expense related to the Company's acquired intangible assets fluctuates with changes in foreign currency exchange rates between the U.S. dollar, the Japanese yen and the euro. Estimated amortization expense related to amortizable intangibles for each of the five years 2007 through 2011 is as follows:

	<b>Estimated Amortization Expense (In thousands)</b>
2007	\$ 958
2008	833
2009	521
2010	418
2011	418

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Stockholders equity consisted of the following:

<b>(In thousands, except par value)</b>	<b>March 31, 2007</b>	<b>December 31, 2006</b>
Common stock, \$0.001 par value, 70,000 shares authorized, 45,038 and 44,855 shares issued and outstanding, respectively	\$ 45	\$ 45
Additional paid-in capital	260,904	258,688
Retained earnings	100,055	88,344
Unrealized holding gains on available-for-sale securities, net of tax	250	323
Cumulative translation adjustments	9,367	8,390
Total stockholders equity	\$ 370,621	\$ 355,790

**(10) COMPREHENSIVE INCOME**

Comprehensive income for the Company consists of net income, foreign currency translation adjustments and net unrealized holding gains on available-for-sale marketable securities as presented below (In thousands):

	<b>Three Months Ended March 31,</b>	
	<b>2007</b>	<b>2006</b>
Net income, as reported	\$ 12,671	\$ 12,761
Adjustment to arrive at comprehensive income, net of taxes:		
Unrealized holding (loss) gain on available-for-sale marketable securities	(73)	59
Reclassification adjustment for amounts included in net income related to sales of securities		(964)
Cumulative translation adjustments	977	2,416
Comprehensive income	\$ 13,575	\$ 14,272

**(11) COMMITMENTS AND CONTINGENCIES**

From time to time, the Company is involved in disputes and legal actions arising in the normal course of its business. The Company accrues loss contingencies in connection with its litigation when it is probable that a loss will occur and the amount of the loss can be reasonably estimated.

On September 19, 2005, the Korean Customs Service issued Taxation Notifications concerning back duties and value added taxes allegedly owed on goods imported by the Company's Korean subsidiary. In 2005, the Company paid the amount allegedly owed and recorded a receivable. As of December 31, 2006, the Company had a reserve against the receivable. On March 30, 2007 and April 2 and 3, 2007, the Company received partial refunds of the assessment paid. The Company is unable to determine if there will be further material recoveries of the disputed amounts.

**(12) EARNINGS PER SHARE**

Basic earnings per share (EPS) is computed by dividing income available to common stockholders by the weighted-average number of common shares outstanding during the period. The computation of diluted EPS is similar to the computation of basic EPS except that the

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numerator is increased to exclude certain charges which would not have been incurred, and the denominator is increased to include the number of additional common shares that would have been outstanding (using the if-converted and treasury stock methods), if securities containing potentially dilutive common shares (convertible notes payable, stock options and restricted stock units) had been converted to such common shares, and if such assumed conversion is dilutive. As of March 31, 2007, stock options and restricted stock units totaling approximately 3.4 million were outstanding, and as of March 31, 2006, 3.6 million were outstanding. Not included in the computation of diluted earnings per share are 2.7 million and 3.2 million stock options for the three months ended March 31, 2007 and 2006, respectively, due to the anti-dilutive effect of these shares.

The following is a reconciliation of the numerators and denominators used in the calculation of basic and diluted EPS for the three months ended March 31, 2007 and 2006:

	<b>Three Months Ended March 31,</b>	
	<b>2007</b>	<b>2006</b>
<b>(In thousands, except per share data)</b>		
<b>Earnings per common share</b>		
Net income	\$ 12,671	\$ 12,761
Weighted average common shares outstanding	44,941	44,571
Earnings per common share	\$ 0.28	\$ 0.29
<b>Earnings per common share assuming dilution</b>		
Net income	\$ 12,671	\$ 12,761
Weighted average common shares outstanding	44,941	44,571
Effect of dilutive securities:		
Stock options and restricted stock units	695	433
Adjusted weighted average common shares outstanding	45,636	45,004
Earnings per common share assuming dilution	\$ 0.28	\$ 0.28

**(13) FOREIGN OPERATIONS AND MAJOR CUSTOMERS**

The Company has operations in the United States, Asia Pacific and Europe. The following is a summary of the Company's operations by geographic region:

	<b>Three Months Ended March 31,</b>	
	<b>2007</b>	<b>2006</b>
	<b>(In thousands)</b>	
Sales (1):		
United States	\$ 61,023	\$ 55,399
Asia Pacific	32,654	30,824
Europe	13,331	7,639
Rest of world	315	88
	\$ 107,323	\$ 93,950

(1)

These sales amounts do not contemplate where our customers may subsequently transfer our products.

Income (loss) from operations:		
United States	\$ 12,095	\$ 11,779
Asia Pacific	5,785	1,476
Europe	1,084	752
Intercompany elimination	(1,024)	(827)
	\$ 17,940	\$ 13,180

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	<b>March 31, 2007</b>	<b>December 31, 2006</b>
Identifiable assets:		
United States	\$ 14,143	\$ 14,954
Asia Pacific	18,159	18,616
Europe	1,391	2,276
	<b>\$ 33,693</b>	<b>\$ 35,846</b>

Intercompany sales among the Company's geographic areas are recorded on the basis of intercompany prices established by the Company.

Applied Materials, Inc. is the Company's largest customer and accounted for 29.5% of the Company's sales for the three months ended March 31, 2007 and 2006. No other customer accounted for 10% or more of the Company's sales during these periods.

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**ITEM 2. MANAGEMENT'S DISCUSSION AND ANALYSIS OF FINANCIAL CONDITION AND RESULTS OF OPERATIONS**

**Special Note on Forward-Looking Statements**

The following discussion contains, in addition to historical information, forward-looking statements, within the meaning of Section 27A of the Securities Act of 1933 and Section 21E of the Securities Exchange Act of 1934. Statements that are other than historical information are forward-looking statements. For example, statements relating to our beliefs, expectations and plans are forward-looking statements, as are statements that certain actions, conditions or circumstances will continue. Forward-looking statements involve risks and uncertainties, which are difficult to predict and many of which are beyond our control. These risks and uncertainties are described below and in other filings we make with the Securities and Exchange Commission, including our Annual Report on Form 10-K for the year ended December 31, 2006. As a result, our actual results may differ materially from the results discussed in the forward-looking statements. We assume no obligation to update any forward-looking statements or the reasons why our actual results might differ.

*OVERVIEW*

We design, manufacture and support complex power conversion and control systems, and gas flow control and thermal measurement devices used in plasma-based, thin-film processing equipment. This equipment is essential to the manufacture of products including the following:

Semiconductor devices for electronics applications;

Flat panel displays for hand-held devices and computer and television screens;

Compact discs, DVDs, magnetic hard drives and other digital storage media;

Solar panels or photovoltaics;

Optical coatings for eyeglasses;

Barrier coatings for architectural glass;

Industrial laser and medical applications; and

Other markets where thin film deposition is a critical part of the manufacturing process.

Our installed base enables a recurring revenue opportunity as we sell spare parts, repair services and field upgrades worldwide through our customer service and technical support organization.

We provide solutions to a diverse range of markets and geographic regions with the semiconductor capital market being our largest market. Sales to customers in the semiconductor capital equipment market comprised 70.9% of our sales in the first quarter of 2007 and 70.3% of our sales in the first quarter of 2006. Our customers in non-semiconductor markets sell flat panel display, data storage, architectural glass, solar cell and other industrial thin-film manufacturing equipment. Our customers in the semiconductor and non-semiconductor markets are large OEM's and we derive additional revenue by providing services to their customers.

**Table of Contents****Results of Operations***OVERVIEW*

Sales for the first quarter of 2007 were \$107.3 million, a 14.2% increase over first quarter 2006 sales of \$94.0 million. In the first quarter of 2007, we generated net income from operations of \$17.9 million, or 16.7% of sales, compared to the first quarter of 2006, when we generated net income from operations of \$13.2 million, or 14.0% of sales. Gross margin increased to 45.0% in the first quarter of 2007 from 41.0% in the first quarter of 2006. In the first quarters of 2007 and 2006, we generated earnings of \$0.28 per diluted share.

*SALES*

The following tables summarize our unaudited net sales and percentages of net sales by customer type for the three-month periods ended March 31, 2007 and 2006:

	Three Months Ended March 31,		Increase/ (Decrease)	% Change
	2007	2006		
	(In thousands)			
Semiconductor capital equipment	\$ 76,123	\$ 66,052	\$ 10,071	15.2%
Non-semiconductor capital equipment	31,200	27,898	3,302	11.8%
Total sales	\$ 107,323	\$ 93,950	\$ 13,373	14.2%

% of sales	Three Months Ended March 31,	
	2007	2006
Semiconductor capital equipment	71%	70%
Non-semiconductor capital equipment	29%	30%
	100%	100%

The following tables summarize our unaudited net sales and percentages of net sales by geographic region for the three-month periods March 31, 2007 and 2006:

	Three Months Ended March 31,		Increase/ (Decrease)	% Change
	2007	2006		
	(In thousands)			
Sales (1):				
United States	\$ 61,023	\$ 55,399	\$ 5,624	10.2%
Asia Pacific	32,654	30,824	1,830	5.9%
Europe	13,331	7,639	5,692	74.5%
Rest of world	315	88	227	258.0%
Total sales	\$ 107,323	\$ 93,950	\$ 13,373	14.2%

(1)

These sales amounts do not contemplate where our customers may subsequently transfer our products.

	<b>Three Months Ended March</b>	
	<b>2007</b>	<b>31,</b> <b>2006</b>
<b>% of sales</b>		
United States	57%	59%
Asia Pacific	30%	33%
Europe	13%	8%
Rest of world		
	100%	100%

Sales were \$107.3 million in the first quarter of 2007, an increase of 14.2% over sales of \$94.0 million in the first quarter of 2006, due primarily to increased demand in the semiconductor capital equipment market and increased sales of our solar applications partially offset by decreased sales in our flat panel display products due to a delay in capital spending in this market.



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The semiconductor capital equipment market is highly cyclical and is impacted by changes in the macroeconomic environment, changes in semiconductor supply and demand and rapid technological advances in both semiconductor devices and wafer fabrication processes. Our sales to the semiconductor capital equipment industry increased approximately 15.2% compared to the first quarter of 2006, primarily driven by the increased demand that our semiconductor and semiconductor capital equipment customers have experienced.

***GROSS PROFIT***

Our gross profit was \$48.3 million, or 45.0% of sales, in the first quarter of 2007 compared to \$38.6 million, or 41.0% of sales, in the first quarter of 2006. The 4 point increase in our gross margin is primarily attributed to increased sales as well as increased volume of production and advanced manufacturing processes in our China manufacturing facility, as well as lower worldwide logistics costs, lower freight costs, increased utilization of local Asian suppliers, design-led cost reductions and lower warranty costs.

***RESEARCH AND DEVELOPMENT EXPENSES***

The market for our products is characterized by ongoing technological changes. We believe that continued and timely development of new and differentiated products, and enhancements to existing products to support customer requirements, is necessary for us to maintain a competitive position in the markets we serve. Accordingly, we devote a significant portion of our personnel and financial resources to research and development projects and seek to maintain close relationships with our customers and other industry leaders in order to remain responsive to their product requirements. We believe that the continued investment in research and development and ongoing development of new products are essential to the expansion of our markets, and expect to continue to make significant investments in research and development activities. Since inception, all of our research and development costs have been expensed as incurred.

Our research and development expenses were \$12.0 million, or 11.2% of sales, in the first quarter of 2007 and \$10.5 million, or 11.1% of sales, in the first quarter of 2006. The 15.1% increase from 2006 to 2007 was primarily due to increased spending, predominantly compensation expense, on development of new and existing platforms to support business growth.

***SELLING, GENERAL AND ADMINISTRATIVE EXPENSES***

Our selling expenses support domestic and international sales and marketing activities that include personnel, trade shows, advertising, third-party sales representative commissions and other selling and marketing activities. Our general and administrative expenses support our worldwide corporate, legal, patent, tax, financial, governance, administrative, information systems and human resource functions in addition to our general management.

Selling, general and administrative ( SG&A ) expenses were \$15.5 million, or 14.5% of sales, for the first quarter of 2007 and \$14.9 million, or 15.8% of sales, for the first quarter of 2006. The 4.4% increase from 2006 to 2007 was primarily due to increased employee compensation and travel expense as well as increased commissions due to increased sales.

**Table of Contents*****RESTRUCTURING CHARGES***

Our restructuring charges in the first quarter of 2007 were incurred in conjunction with the closing of our manufacturing, distribution, and research and development facility located in Stolberg, Germany which is expected to be complete by October 31, 2007, shortly before our facility lease expires on December 31, 2007. Related to this closure, we recorded restructuring charges of \$2.8 million in the first quarter of 2007, consisting primarily of the accrual of employee severance and severance benefit costs associated with the planned reduction of employees at this facility as well as an asset impairment charge of approximately \$900,000 relating to the write-down to estimated fair value of certain real and personal property also at this facility.

***OTHER INCOME***

Other income consists primarily of interest income and expense, foreign exchange gains and losses and other miscellaneous gains, losses, income and expense items. Other income decreased 15.2% to \$1.6 million in the three months ended March 31, 2007 from \$1.8 million in the three months ended March 31, 2006, primarily due to a gain on sale of equity securities of \$1.6 million and investment income of approximately \$346,000 in the three months ended March 31, 2006 compared to \$1.6 million of investment income received from higher cash balances in the three months ended March 31, 2007.

***PROVISION FOR INCOME TAXES***

The income tax provision for the first quarter of 2007 was \$6.8 million which represented an effective tax rate of 35.0%, compared to the income tax provision for the first quarter of 2006 of \$2.3 million which represented an effective tax rate of 15.0%. The increase in the effective tax rate resulted from the inclusion of a tax expense for US tax purposes which was nominal in the first quarter of 2006. Tax expense was incurred in the first quarter of 2007 due to the reversal of our valuation allowance of approximately \$23.5 million at December 31, 2006. At March 2, 2007, we had a federal net operating loss carryforwards of approximately \$27 million, which expire beginning 2023 through 2025. In addition, we have \$14 million in net operating loss carryforwards that are subject to certain limitations under the IRS code and we have a valuation allowance booked against them.

**Liquidity and Capital Resources**

At March 31, 2007, our principal sources of liquidity consisted of cash, cash equivalents and marketable securities of \$156.3 million. During the three months ended March 31, 2007, our cash, cash equivalents and marketable securities increased \$12.2 million, or 8.4%, from \$144.2 million at December 31, 2006, primarily due to cash generated from our operations. Our working capital increased \$18.1 million, or 7.3%, to \$265.9 million at March 31, 2007 from \$247.8 million at December 31, 2006.

Operating activities provided cash of \$12.1 million in the three months ended March 31, 2007 primarily due to cash generated by operations partially offset by increased inventory and accounts receivable, compared to \$14.8 million of cash provided in the three months ended March 31, 2006.

Investing activities used \$20.8 million of cash in the three months ended March 31, 2007 and \$728,000 in the three months ended March 31, 2006 primarily due to purchases of marketable

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securities. Capital expenditures in the first three months of 2007 were \$1.4 million, compared to capital expenditures of \$730,000 in the first three months of 2006. We expect our capital expenditures in 2007 to be approximately \$6 million to \$8 million.

Financing activities provided cash of \$1.4 million in the first three months of 2007 compared to cash provided of \$879,000 in the first three months of 2006 primarily due the payoff of our senior borrowings in 2006 .

We expect our cash flows from financing activities to continue to fluctuate in the future. Our payments under capital lease obligations may also increase in the future if we enter into additional capital lease obligations or utilize of our line of credit. A significant portion of these obligations are held in countries other than the United States; therefore, future foreign currency fluctuations, especially between the United States dollar and the Japanese yen, could cause significant fluctuations in our estimated payment obligations.

We believe that our working capital, together with cash anticipated to be generated by operations will be sufficient to satisfy our anticipated liquidity requirements for the next twelve months.

**Critical Accounting Policies**

The above discussion and analysis of our financial condition and results of operations is based upon our condensed consolidated financial statements, which have been prepared in accordance with accounting principles generally accepted in the United States. In preparing our financial statements, we must make estimates and judgments that affect the reported amounts of assets and liabilities, revenues and expenses, and related disclosure of contingent assets and liabilities at the date of our financial statements. Actual results may differ from these estimates under different assumptions or conditions.

We believe that the following critical accounting policies, as discussed in this Form 10-Q and/or our Form 10-K for the year ended December 31, 2006, affect our more significant judgments and estimates used in the preparation of our condensed consolidated financial statements:

Revenue recognition

Reserve for warranty

Reserve for excess and obsolete inventory

Stock-based compensation

Commitments and contingencies

Income taxes

Valuation of intangible assets

Long-lived assets including intangible assets subject to amortization

**ITEM 3. QUANTITATIVE AND QUALITATIVE DISCLOSURES ABOUT MARKET RISK**

There were no material changes in the Company's exposure to market risk from December 31, 2006.

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**ITEM 4. CONTROLS AND PROCEDURES**

*Evaluation of Disclosure Controls and Procedures*

We maintain disclosure controls and procedures that are designed to ensure that information required to be disclosed in our reports that we file or submit under the Securities Exchange Act of 1934 is recorded, processed, summarized and reported within the time periods specified in the rules and forms of the Securities and Exchange Commission, and that such information is accumulated and communicated to our management, including our Chief Executive Officer and Chief Financial Officer, as appropriate to allow timely decisions regarding required disclosure.

As of the end of the period covered by this report, we conducted an evaluation, with the participation of management, including our Chief Executive Officer and Principal Financial Officer, of the effectiveness of the disclosure controls and procedures pursuant to the Exchange Act Rule 13a-15(b). Based upon this evaluation, the Chief Executive Officer and Chief Financial Officer concluded that our disclosure controls and procedures were effective as of March 31, 2007.

*Changes in Internal Control over Financial Reporting*

There was no change in our internal control over financial reporting that occurred during our most recent quarter that has materially affected, or is reasonably likely to materially affect, the internal control over financial reporting.

**PART II OTHER INFORMATION**

**ITEM 1. LEGAL PROCEEDINGS**

None.

**ITEM 1A. RISK FACTORS**

Item 1A, Risk Factors, of our Annual Report on Form 10-K for the year ended December 31, 2006 describes some of the risks and uncertainties associated with our business. Other factors may also exist that we cannot anticipate or that we currently do not consider to be significant based on information that is currently available. These risks and uncertainties have the potential to materially affect our business, financial condition, results of operations, cash flows and future results.

Although we do not believe that there have been any material changes to the risk factors previously disclosed in the Risk Factors section of our Annual Report on Form 10-K, the risk factors set forth below have been updated with more current information.

***A significant portion of our sales is concentrated among a few customers.***

Our ten largest customers accounted for 58.9% of our total sales in the first quarter 2007. Applied Materials, Inc., our largest customer, accounted for 29.5% of our sales in the three months ended March 31, 2007. No other customer accounted for more than 10% of our sales during this period. The loss of any of our significant customers or a material reduction in any of their purchase orders could significantly harm our business, financial condition and results of operations.

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Our customers continuously exert pressure on us to reduce our prices and extend payment terms. Given the nature of our customer base and the highly competitive markets in which we compete, we may be required to reduce our prices or extend payment terms to remain competitive. We may not be able to reduce our expenses in an amount sufficient to offset potential margin declines.

**ITEM 2. UNREGISTERED SALES OF EQUITY SECURITIES AND USE OF PROCEEDS**

Not applicable.

**ITEM 3. DEFAULTS UPON SENIOR SECURITIES**

Not applicable.

**ITEM 4. SUBMISSION OF MATTERS TO A VOTE OF SECURITY HOLDERS**

None.

**ITEM 5. OTHER INFORMATION**

None.

**ITEM 6. EXHIBITS**

Exhibits:

- 31.1 Certification of the Chief Executive Officer Pursuant to Rule 13a-14(a) under the Securities Exchange Act of 1934, as adopted pursuant to Section 302 of the Sarbanes-Oxley Act of 2002.
- 31.2 Certification of the Principal Financial Officer Pursuant to Rule 13a-14(a) under the Securities Exchange Act of 1934, as adopted pursuant to Section 302 of the Sarbanes-Oxley Act of 2002.
- 32.1 Certification of the Chief Executive Officer Pursuant to 18 U.S.C. Section 1350, as adopted pursuant to Section 906 of the Sarbanes-Oxley Act of 2002.
- 32.2 Certification of the Principal Financial Officer Pursuant to 18 U.S.C. Section 1350, as adopted pursuant to Section 906 of the Sarbanes-Oxley Act of 2002.

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**SIGNATURE**

Pursuant to the requirements of the Securities Exchange Act of 1934, the registrant has duly caused this report to be signed on its behalf by the undersigned, thereunto duly authorized.

ADVANCED ENERGY INDUSTRIES,  
INC.

Dated: May 9, 2007

/s/ Lawrence D. Firestone

Lawrence D. Firestone  
Executive Vice President and Chief Financial Officer

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