

Business Profile

Advanced Energy® (AE®) has devoted more than three decades to perfecting power—enabling design breakthroughs and driving growth for leading semiconductor and industrial customers. Our precision power and control technologies, along with our applications know-how, inspire close partnerships and perpetual innovation for semiconductor and industrial customers.

Founded in 1981, Advanced Energy has built a diversified and global business, delivering advanced power and control technologies to customers across a broad range of industries. The AE team, deployed throughout North America, Europe and Asia, provides technical expertise and responsive and agile power solutions for thin-film and industrial manufacturing.

AE process power products provide leading, field-proven power control and arc-management capabilities that enable complex semiconductor processes and other high-technology applications.

Our high-voltage power systems serve high-tech and industrial applications from x-ray and scientific analysis to intense pulsed light and mass spectrometry.

AE thermal products offer precision temperature measurement and control, while AE power control modules provide exceptional quality for heating, melting, bending, forming or drying in a wide variety of industrial applications.

At Advanced Energy, we provide the breakthrough that enables the breakthrough.

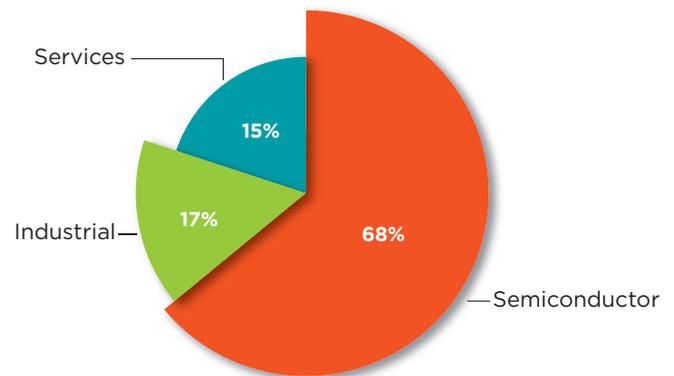
Corporate Overview

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|-------------------------|--|
| Founded: | 1981 |
| Headquarters: | Fort Collins, CO USA |
| Employees: | 1489 (December 31, 2016) |
| Q1 2017 Revenue: | \$149.4 million USD |
| 2016 Revenue: | \$483.7 million USD |
| Nasdaq: | AEIS |
| Phone: | 800 446 9167 <i>(U.S. only)</i> +1 970 221 0108 <i>(U.S. and International)</i> |
| Website: | www.advanced-energy.com |

Key Growth Applications

- Semiconductor
- Industrial coating
- Thin-film renewables *(solar and glass)*
- Data storage
- High-brightness LED *(HBLED)*
- Flat panel display and OLED
- Analytical instruments
- Medical equipment
- Aerospace and defense

2016 Revenue



Advanced Energy enables design breakthroughs for leading semiconductor and industrial customers.



PRODUCT PORTFOLIO

Process Power

Direct Current

Applications: Semiconductors, FPDs, solar panels, data storage and advanced thin-film applications, including hard coatings and cathodic arc

Low- and Mid-Frequency

Applications: Semiconductors, solar panels and advanced thin-film applications

Radio Frequency

Applications: Semiconductors, FPDs, solar panels, advanced thin-film applications, etch and deposition

RF Instrumentation

Applications: Semiconductors, FPDs, solar panels, data storage and advanced thin-film applications

High-Voltage Power

Applications: Semiconductor implantation and inspection, X-ray, mass spectrometry, scientific, industrial and medical

Thermal Products

Thermal Measurement

Applications: Semiconductors, solar panels and advanced packaging applications

Thyristor Power Control

Applications: Heating, melting, forming and drying

Global Services

Global Coverage, Local Resources

Comprehensive repair, enhancement and used equipment programs for the complete lifecycle of your products



Ascent[™] AMS and DMS



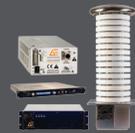
Paramount[™]



Solvix[™]



Thyro-Family



HiTek Power[™]



UltraVolt[™]

Executive Management

Yuval Wasserman *President and CEO*

Tom Liguori *Executive VP and CFO*

Tom McGimpsey, *Executive VP,*

General Counsel and Corporate Secretary

Worldwide Locations

R&D Design Centers and Regional Manufacturing

Fort Collins, Colorado · Vancouver, Washington
Ronkonkoma, New York · Pune, India
Shenzhen, China · Villaz-St-Pierre, Switzerland
Metzingen, Germany · Warstein-Belecke, Germany
Littlehampton, West Sussex, U.K. · Seoul, South Korea

Other Worldwide Sales and Support Offices

San Jose, California · Austin, Texas
Georgetown, Massachusetts · Tokyo, Japan
New Taipei City, Taiwan · Singapore
Shanghai, China · Xi'an, China

Contacts

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