

## BUSINESS PROFILE

Advanced Energy (AE) has devoted more than three decades to perfecting power for its global customers. We design and manufacture highly engineered, precision power conversion, measurement and control solutions for mission-critical applications and processes.

Our power solutions enable customer innovation in complex semiconductor and industrial thin film plasma manufacturing processes, demanding high and low voltage applications, and temperature-critical thermal processes.

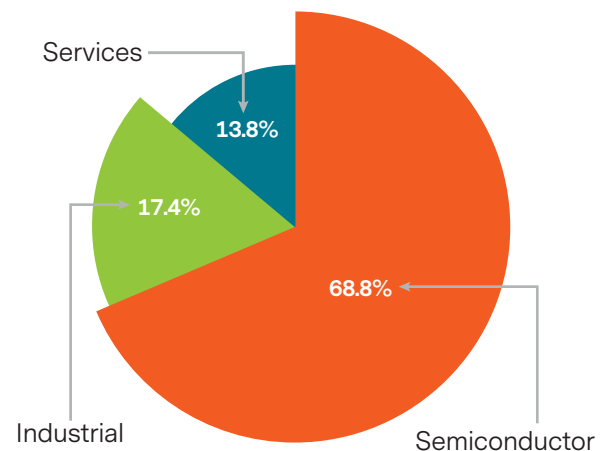
With deep applications know-how and responsive service and support across the globe, we build collaborative partnerships to meet rapid technological developments, propel growth for its customers and power the future of technology.

**PRECISION | POWER | PERFORMANCE**

### CORPORATE OVERVIEW

**Founded:** 1981  
**Headquarters:** Fort Collins, CO USA  
**Employees:** 2350+  
**Q2 2018 Revenue:** \$196 million USD  
**2017 Revenue:** \$671 million USD  
**Nasdaq:** AEIS  
**Phone:** 800 446 9167 (U.S. only)  
 +1 970 221 0108 (U.S. and International)  
**Website:** [www.advanced-energy.com](http://www.advanced-energy.com)

### 2017 REVENUE



### 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

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 AND LOW VOLTAGE POWER

**Applications:** Semiconductor implantation and inspection, 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 products



Ascent® AMS and DMS



Onyx®



Paramount®



UltraVolt®



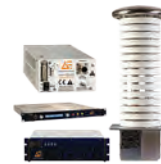
Thyro Family



Solvix®



Excelsys



HiTek Power®



Trek

### Executive Management

**Yuval Wasserman** President and CEO

**Tom McGimpsey** EVP, General Counsel & Corporate Secretary

**Neil Brinker** EVP, Chief Operating Officer

**Paul Oldham** EVP, Chief Financial Officer

**Isabel Yang** SVP, Chief Technology Officer

### 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.

Tachikawa, Japan · Tokyo, Japan · Seoul, South Korea

Little Island, Cork, Ireland

#### Other Worldwide Sales and Support Offices

San Jose, California · Georgetown, Massachusetts

New Taipei City, Taiwan · Singapore · Shanghai, China

Xi'an, China · Tel Aviv, Israel · Lockport, New York

### Contacts

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