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 products enable customer innovation in complex applications for a wide range of industries including semiconductor equipment, industrial, manufacturing, telecommunications, data center computing, and medical.

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 our customers, and innovate the future of power.

**BUSINESS PROFILE**

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**PRECISION | POWER | PERFORMANCE**

#### CORPORATE OVERVIEW

- **Founded:** 1981
- **Headquarters:** Fort Collins, CO USA
- **Employees:** 10,800+
- **Q3 2019 Revenue:** $175.1 million USD
- **2018 Revenue:** $718.9 million USD
- **Nasdaq:** AEIS
- **Phone:** 800 446 9167 (U.S. only)
- **+1 970 221 0108 (U.S. and International)**
- **Website:** www.advancedenergy.com

#### 2018 REVENUE

- **62%** Semiconductor
- **23%** Industrial
- **15%** Services

#### KEY GROWTH APPLICATIONS

- Semiconductor
- Industrial coating
- Thin-film renewables (solar and glass)
- Data center computing
- Telecom and networking
- 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 materials applications, including hard coatings and cathodic arc

**LOW- AND MID-FREQUENCY**
Applications: Semiconductors, solar panels and advanced materials applications

**RADIO FREQUENCY**
Applications: Semiconductors, FPDs, solar panels, advanced materials applications, etch and deposition

**RF INSTRUMENTATION**
Applications: Semiconductors, FPDs, solar panels, data storage and advanced materials applications

## HIGH AND LOW VOLTAGE POWER

**Applications:** Data center computing, telecom, networking, semiconductor implantation and inspection, mass spectrometry, scientific, industrial and medical

## THERMAL PRODUCTS

**PHOTONICS**
Applications: Semiconductor, energy, industrial, advanced technologies, solar, automotive, and medical 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

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**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 · Frankfurt, Germany · 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**
Denver, Colorado · Georgetown, Massachusetts · Milpitas, California  
New Taipei City, Taiwan · Singapore, Shanghai, China  
Xi’an, China · Tel Aviv, Israel · Lockport, New York  
Erstein, France · Mumbai, India · Ballerup, Denmark

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