THE U.S. SEMICONDUCTOR INDUSTRY

Building America’s Innovation Economy

semiconductors.org
**SEMICONDUCTORS** are the brains of modern electronics, enabling advances in communications, computing, health care, military systems, transportation, clean energy, and countless other applications.

The semiconductor industry is leading innovation in many new technologies, including artificial intelligence, the Internet of Things, virtual reality, self-driving cars, and more. Our greatest potential lies ahead.
THE U.S. SEMICONDUCTOR INDUSTRY is fundamental to America’s economic strength, national security, and technology leadership.

The U.S. semiconductor industry is the worldwide industry leader with about HALF OF GLOBAL MARKET SHARE. U.S. semiconductor company sales totaled $189 BILLION in 2017.

The semiconductor industry directly employs nearly a QUARTER OF A MILLION PEOPLE in the U.S. and supports more than ONE MILLION ADDITIONAL JOBS throughout the U.S. economy.
About **HALF** of U.S. semiconductor companies’ advanced manufacturing base is in the United States, and **19 U.S. STATES** are home to major, advanced semiconductor manufacturing facilities.

Semiconductors are **AMERICA’S #4 EXPORT** after airplanes, refined oil, and automobiles, and **MORE THAN 80%** of U.S. semiconductor companies’ sales are to overseas customers. The United States exported **$44 BILLION** in semiconductors in 2017 and maintains a **CONSISTENT TRADE SURPLUS** in semiconductors.
The U.S. semiconductor industry is **America’s Most Innovative Manufacturing Industry**. Semiconductor technology has advanced at a remarkable pace over the last half-century, enabling smaller, faster, more efficient and productive devices.

The U.S. semiconductor industry annually invests about **one-fifth of revenue** in R&D. This was the **second-highest share of any U.S. industry** in 2017.

The rapid pace of innovation has enabled the semiconductor industry to produce exponentially **more advanced products at lower cost**, a principle known as **Moore’s Law**. As a result, a single smartphone today has **far more computing power** than the computers used by NASA to land a person on the moon during the Apollo 11 mission.
THE SEMICONDUCTOR INDUSTRY ASSOCIATION is the voice of the U.S. semiconductor industry. SIA has a 40+ year history of successfully uniting semiconductor companies around common challenges and shaping public policy to help members grow their businesses. We provide semiconductor manufacturers, designers, and researchers with a seat at the table when policy decisions are made in Washington and in capitals around the world.

**POLICY PRIORITIES**

- **TRADE**
  Expand access to global markets

- **RESEARCH**
  Increase federal investment in semiconductor research

- **TAX**
  Make the U.S. tax regime globally competitive

- **EXPORT CONTROL**
  Reduce burdens on the export of commercial semiconductors

- **IMMIGRATION & WORKFORCE**
  Strengthen America’s technology workforce

- **ENVIRONMENT, HEALTH & SAFETY**
  Support sustainability

- **ANTI-COUNTERFEITING**
  Combat counterfeit semiconductors

- **INTELLECTUAL PROPERTY**
  Promote innovation by protecting valuable IP

- **PROMISING TECHNOLOGIES**
  Advance promising technologies such as AI, VR, IoT, and others

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