BUILDING AMERICA'S INNOVATION ECONOMY

Maintaining a vibrant U.S. semiconductor industry is critical to America's continued strength.

- **Semiconductors are the brains of modern electronics**, enabling advances in medical devices and health care, communications, computing, defense, transportation, clean energy, and technologies of the future such as artificial intelligence, quantum computing, and advanced wireless networks.

- **The U.S. semiconductor industry is the worldwide industry leader** with about half of global market share and sales of $258 billion in 2021.

- **The semiconductor industry directly employs over a quarter of a million people in the U.S.** and supports nearly 1.8 million additional U.S. jobs.

- **Nearly half of U.S. semiconductor manufacturers' production is done in the United States**, and 18 states are home to major semiconductor manufacturing facilities.

- **Semiconductors are a top-5 U.S. export**, and more than 80% of U.S. semiconductor companies' sales are to overseas customers. The United States exported $60 billion in semiconductors in 2021 and maintains a consistent trade surplus in semiconductors, including with major trading partners such as China.

- **The U.S. semiconductor industry annually invests about one-fifth of its revenue into R&D** ($50 billion in 2021), which is the second-highest share of any major U.S. industry, behind only the pharmaceutical industry.

- **Rapid innovation has enabled the semiconductor industry to produce exponentially more advanced products at a lower cost**, a principle known as Moore’s Law. A single smartphone today has far more computing power than the computers used by NASA to land a person on the moon in 1969.

- **The U.S. semiconductor industry is America's #1 contributor to labor productivity growth.** Semiconductor technology has made virtually all sectors of the U.S. economy - from farming to manufacturing - more effective and efficient.

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**Economic Strength**

**National Security**

**Technology Leadership**

About SIA: For over 40 years, SIA has represented the semiconductor industry, one of America’s top export sectors and a key driver of our country’s economic strength, national security, and global technology leadership. SIA represents 99 percent of the U.S. semiconductor industry by revenue, and nearly two-thirds of non-U.S. firms. Learn more at www.semiconductors.org.