

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 \$193 billion** in 2019.



THE SEMICONDUCTOR INDUSTRY DIRECTLY EMPLOYS NEARLY A QUARTER OF A MILLION PEOPLE IN THE U.S. and supports more than one 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 \$46 billion in semiconductors** in 2019 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 (\$40 billion in 2019), 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.



**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 95 percent of the U.S. semiconductor industry by revenue, and nearly two-thirds of non-U.S. firms. Learn more at www.semiconductors.org.