

# 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 \$208 billion** in 2020.



**THE SEMICONDUCTOR INDUSTRY DIRECTLY EMPLOYS OVER A QUARTER OF A MILLION PEOPLE IN THE U.S.** and supports nearly 1.6 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 \$49 billion in semiconductors** in 2020 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 (\$44 billion in 2020)**, 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 98 percent of the U.S. semiconductor industry by revenue, and nearly two-thirds of non-U.S. firms. Learn more at [www.semiconductors.org](http://www.semiconductors.org).