

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 and aerospace, transportation and infrastructure, 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 **50.2% of global market share** and **sales of \$264 billion** in 2023.



THE SEMICONDUCTOR INDUSTRY DIRECTLY EMPLOYS 338,000 PEOPLE IN THE U.S. With a jobs multiplier of 6.7, the industry supports nearly **2 million** additional jobs in the wider U.S. economy.



SEMICONDUCTORS ARE A TOP-6 U.S. EXPORT, and over 70% of U.S. semiconductor companies' sales are to overseas customers. The United States **exported \$52.7 billion in semiconductors** in 2023 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, which is the second-highest share of any major U.S. industry, behind only the pharmaceutical industry. In 2023, U.S. headquartered companies spent **\$59.3 billion** on R&D.



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 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.