



BUILDING AMERICA'S INNOVATION ECONOMY

Maintaining a vibrant U.S. semiconductor industry is critical to America's continued strength. 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 members account for about 95 percent of all U.S. semiconductor industry sales.



SEMICONDUCTORS ARE THE BRAINS OF MODERN ELECTRONICS, enabling advances in communications, computing, health care, 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 **19 states** are home to major semiconductor manufacturing facilities.



SEMICONDUCTORS ARE A TOP-5 U.S. EXPORT, along with airplanes, refined oil, crude oil, and cars. 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.



THE U.S. SEMICONDUCTOR INDUSTRY ANNUALLY INVESTS ABOUT ONE-FIFTH OF ITS REVENUE INTO R&D - 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