

**SIA**SEMICONDUCTOR
INDUSTRY
ASSOCIATION

SEMICONDUCTORS

Building America's Innovation Economy

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



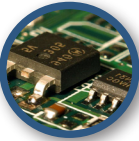
ECONOMIC STRENGTH



NATIONAL SECURITY



TECHNOLOGY LEADERSHIP



Semiconductors are the **BRAINS OF MODERN ELECTRONICS**, enabling advances in communications, computing, health care, military systems, transportation, clean energy, and countless other applications.



The U.S. semiconductor industry is **AMERICA'S #1 CONTRIBUTOR TO LABOR PRODUCTIVITY GROWTH**, as semiconductor technology has made virtually all sectors of the U.S. economy—from farming to manufacturing—more effective and efficient



The U.S. semiconductor industry is the **WORLDWIDE INDUSTRY LEADER** with about **HALF OF GLOBAL MARKET SHARE** through sales of \$164 billion in 2016.



The semiconductor industry directly employs nearly a **QUARTER OF A MILLION PEOPLE** in the U.S. and supports more than **ONE MILLION ADDITIONAL JOBS** throughout the U.S. economy.



Semiconductors are **AMERICA'S #4 EXPORT** after airplanes, refined oil, and automobiles, and **MORE THAN 80%** of U.S. semiconductor companies' sales are to overseas customers.



The U.S. semiconductor industry is one of the world's **MOST ADVANCED MANUFACTURING SECTORS**. Nearly **HALF** of U.S. semiconductor companies' manufacturing base is in the United States, and **21 U.S. STATES** are home to semiconductor manufacturing facilities.



The U.S. semiconductor industry annually invests about **ONE-FIFTH OF REVENUE** in R&D. This was the **SECOND-HIGHEST SHARE OF ANY U.S. INDUSTRY** in 2016.



The rapid pace of innovation has enabled the semiconductor industry to produce exponentially **MORE ADVANCED PRODUCTS AT LOWER COST**, a principle known as **MOORE'S LAW**. If fuel efficiency improved at the same rate as Moore's Law, you could drive a car for your **ENTIRE LIFE** on a **SINGLE TANK OF GAS**.