

# A SNAPSHOT OF THE PITTSBURGH REGION'S *Technological advances*

## THE RISE OF THE PITTSBURGH REGION'S **TECHNOLOGY AND ADVANCED MANUFACTURING INDUSTRY** IS A TRUE SUCCESS STORY.

Emerging from the downfall of the steel industry in the 1970s and 1980s, the Pittsburgh region's tech industry accounts for more than 13% of all U.S. technology companies. More than 9,700 firms employ approximately 296,000 people and represent 23.4% of the area's overall workforce. Its \$22 billion annual payroll represents almost 35% of total industry wages.

The technology and advanced manufacturing industry is categorized through clusters, including information technology, life sciences, advanced manufacturing, advanced materials, energy technology and environmental technology. Information technology and robotics is the most active sector for generating business deals and has created more than 2,400 jobs in Pittsburgh. Companies with research & development (R&D) facilities in the region include: Apple, AutoDesk, Bosch, Disney, Facebook (Oculus), IBM, Intel, Microsoft and Uber.

The region's universities are a major force in commercializing new technology and creating startup companies. At the end of June 2017, 23 companies spun out of local universities. Pittsburgh's universities also play a role in attracting global technology companies, with the Robotics Institute of Carnegie Mellon University at the forefront of the artificial intelligence movement and whose research breakthroughs are changing the fields of agriculture, medicine, mining, transportation, space exploration and national security.

A growing technology and advanced manufacturing industry requires sprawling office and warehouse space. In 2018, tech drove more than 40% of the leasing activity in the Pittsburgh region.

In terms of venture capital activity, the Pittsburgh region raised more than \$500 million from 2017-18. Standout companies raising funds included Petuum with \$93 million and Complexa with \$62 million.

As a region, the Pittsburgh area invests \$3 billion in R&D annually, spanning academic, corporate and government enterprises. Google, Uber, Facebook, Apple, Amazon and other tech titans have a growing presence in Pittsburgh, sharing an ecosystem with long-standing tech companies such as Management Science Associates, Compunetics, aSa and Westinghouse.

With so many bright minds and opportunities for growth, the technology sector in Pittsburgh should continue to thrive, making the city a hotbed for innovation.

