Advanced Manufacturing

From large multi-national corporations like Mitsubishi Hitachi Power Systems Americas and Siemens Energy to mid-size companies and start-ups, our significant Advanced Manufacturing industry spans a full spectrum of sectors.

Orlando is home to a high volume of tech transfer and commercialization that’s fueled by a top R&D university, specialized research labs/centers and one of the top technology incubation systems and research parks in the country. And with the new BRIDG — Bridging the Innovation Development Gap — getting ready to tackle big issues like the “Internet of Everything,” this is one industry set to skyrocket in the region.

**BY THE NUMBERS**

- **1,500** companies
- **58,500** employees
- **6,026** annual graduates
- **$1.4B** in annual payroll

**INDUSTRY LEADERS**

- AMD
- Amcor PET Packaging
- BRIDG
- Dura-Stress
- FARO Technologies
- JH Audio
- Mitsubishi Hitachi Power Systems Americas, Inc.
- Nautique
- Photon-X
- Qorvo
- Qualcomm Atheros
- Quality Manufacturing Services Inc.
- Regal Marine Industries
- Siemens Energy
- UniKey
- Voxx
- Wheeled Coach Industries
- WinDoor

*Source: JobsEQ, Chumura Economics Q1 2019*
MAJOR DEVELOPMENTS

BRIDG

- A not-for-profit, public-private partnership specializing in advanced system integration, microelectronics fabrication, III-V materials growth for sensors, optoelectronics, and high-speed transistors
- BRIDG’s facility includes 109,000 square-foot, state-of-the-art lab with a class 1,000 (nearly class 100) and class 10,000 clean rooms
- BRIDG offers production process technologies geared toward system miniaturization, device integration, hardware security, and product development
- Partnerships with Osceola County, the University of Central Florida, and the Florida High Tech Corridor Council
- Located at NeoCity, a 500-acre master-planned community of innovation in Osceola County

R&D Partners

- imec
- Harris
- MIST Center
- Argonne National Lab
- Photon-X
- University of Central Florida
- University of Florida
- University of South Florida
- Florida International University

Mitsubishi Hitachi Power Systems Americas, Inc.

- North American headquarters located in Seminole County with plans to add 100 jobs over the next five years
- South Orlando factory and service center manufactures and repairs power plant turbines

Siemens Energy

- Americas headquarters located in Orlando
- Strong partnership with the University of Central Florida’s College of Engineering
- State-of-the-art Wind Turbine Training Center based in Orlando – one of four globally

Advanced Manufacturing Training Centers

- Lake Technical College's Center for Advanced Manufacturing, located in Lake County, offers curriculum tailored to existing companies in light manufacturing, clean manufacturing and technology
- Valencia College's Advanced Manufacturing Training Center, located in Kissimmee near BRIDG, is designed to provide students with real world, hands-on manufacturing experience
**WHY ORLANDO?**

1. **Strong talent pipeline.** Orlando’s labor pool of more than 1.2 million people is well prepared to meet the needs of any employer. Orlando also has plentiful talent with more than 500,000 students within a 100-mile radius helping to make Florida rank among the top 10 states in the nation for talent pipeline (*U.S. Chamber of Commerce Enterprising States, 2014*).

2. **Top-ranked infrastructure.** Named among the Top 10 large cities in the U.S. for infrastructure (*fDi Magazine, 2016*), Orlando has perfected the art of getting to and from here with 68 million visitors per year and more than $15 billion in planned or current improvements underway.

3. **Variety of real estate options.** Orlando offers a diverse array of commercial and industrial real estate choices giving companies any option they can dream up.

4. **Great environment for business.** Named the 2nd most competitive market for business in the U.S. by KPMG, Orlando is in a state that is both right-to-work and has no personal income tax. Orlando also offers a business-friendly climate complete with competitive incentives and unique opportunities for partnership and collaboration.

5. **Unbeatable quality of life.** The region provides a rich lifestyle for residents through cultural opportunities, arts, fashion, music, amateur and professional sports, favorable weather and abundant recreational activities.

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**RESEARCH CENTERS**
- Advanced Materials Processing and Analysis Center
- Center for Research and Education in Optics & Lasers (CREOL)
- Florida Solar Energy Center
- Imec of Florida
- Interactive Realities Laboratory
- Institute for Advanced Systems Engineering
- Institute for Simulation and Training

**CREOL**
- The University of Central Florida’s College of Optics and Photonics (CREOL) is one of the world’s foremost institutions for research and education in optical and photonic science and engineering.
- The faculty of CREOL have produced more than 250 patents and spun off 23 companies.
- Five start-up companies are incubated within the CREOL facilities.
- Home to the Townes Laser Institute, Florida Photonics Center of Excellence and the Institute for the Frontier of Attosecond Science and Technology

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“We are creating the most advanced development/fabrication facility in the world.”

—Chester Kennedy, CEO
BRIDG
ABOUT THE ORLANDO ECONOMIC PARTNERSHIP
The Orlando Economic Partnership is a public-private, not-for-profit economic and community development organization that works to advance broad-based prosperity by strengthening Orlando’s economy, amplifying Orlando’s story, championing regional priorities, empowering community leaders and building a brilliant region. These five foundational objectives serve to improve the region’s competitiveness while responding to the needs of communities, residents and businesses.

WHY ORLANDO?

Strong talent pipeline. Orlando’s plentiful talent includes more than 550,000 college students within a 100-mile radius – 75 percent of UCF graduates stay in the region.

Top-ranked infrastructure. Orlando has perfected the art of getting to and from here with 72 million visitors per year and more than $10 billion in planned or current improvements underway.

Variety of real estate options. Orlando offers a diverse array of commercial and industrial real estate choices giving companies any option they can dream up.

Great environment for business. Orlando is in a state that is both right-to-work and has no personal income tax. Orlando also offers a business-friendly climate complete with competitive incentives and unique opportunities for partnership and collaboration.

Unbeatable quality of life. The region provides a rich lifestyle for residents through cultural opportunities, arts, fashion, music, amateur and professional sports, favorable weather and abundant recreational activities. Florida has an affordable cost of living.

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