

On one side, researchers and theorists forge bold ideas. On the other, industry stands ready to deliver those ideas to the world.

We are the bridge between.

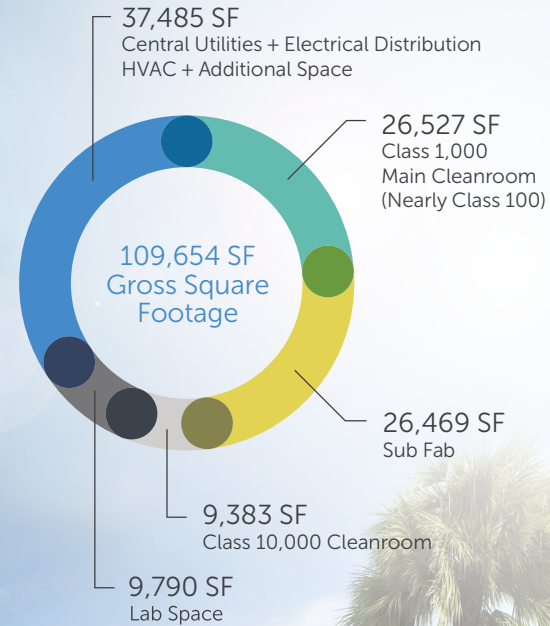
BRIDG unites ideas with industry to advance the manufacturing development of emerging technologies and spark tomorrow's innovations.

BRIDG is the world's first industry-led smart sensor consortium. We accelerate technology commercialization by providing holistic solutions to bridge technology and capability gaps across multiple fields.



Facility

BRIDG thrives inside the most advanced state-of-the-art manufacturing research facility in the Western Hemisphere and is part of the NeoCity technology district, located in Osceola County, Florida.



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What is BRIDG?

By leveraging technology capabilities, processes, and background intellectual property, BRIDG develops advanced lab/fab and universal technology platforms to provide unrivaled economies of scale needed for cost-effective manufacturing.

- + Service areas include research, development, and commercialization
- + Focused on manufacturing development of advanced technologies in smart sensors, imagers, advanced devices, and 2.5D/3D chip integration

Solutions

- + Accelerate high potential technologies into next generation products and systems
- + BRIDG and partners develop and provide commercialization infrastructure
- + Provide capability for proof of concept, custom development, and pilot production
- + IP Protection
- + Provide academic institutions with infrastructure to enable core research

BRIDG Technology Development Platforms

- + Photonics, High Speed Electronic Systems, and Design Center
- + Advanced Materials and Device Development Lines – III-V and other novel materials integrated into silicon
 - > Sensors, Imagers, RF, Power, and other monolithically integrated devices
 - > Materials Focus – GaAs, InGaAs, InP, GaSb, GaN, InGaN, AlGaN
- + 2.5D / 3D Device Integration, Test, and Packaging

Market Focus

- + Aerospace, Defense, and Homeland Security
- + Environmental, Food, and Agriculture
- + Robotics, Autonomous Systems, Manufacturing, and Energy
- + Advanced Device Hardware and Software Integration – IoT / Cybersecurity / Smart Communities / Entertainment
- + Biomedical

Our manufacturing development center is focused on two initial functional platforms:

Advanced Materials and Devices Development Line

- + Designed to support a broad range of industries (Biomedical, Agriculture, Environmental, etc.)
- + GaN and InGaAs MOCVD deposition tools – utilizing 8” silicon substrates
- + Universal Smart Sensors and III-V materials – Multipurpose product applications (ionic, molecular, chemFETs sensor with wireless communication)

Advanced Packaging, Testing, and Device Integration Development Line

- + Back-end processing and packaging line for prototype development and commercialization (Biomedical, Oil and Gas, Aerospace/Defense, Environmental, Agriculture Sensors)
- + Advanced Optics and photonics devices – wide range of advanced applications (SIP)