



NORDTECH

Northeast Regional Defense Technology Hub

NORTHEAST REGIONAL DEFENSE TECHNOLOGY HUB

No single company can execute across the end-to-end semiconductor value chain. That's why the Northeast Regional Defense Technology Hub (NORDTECH) has assembled the distributed expertise and capabilities of leading partners from across the Northeast to create onshore scalability across research, prototyping, and commercial transition to support the Department of Defense's Microelectronics Commons goals. Collectively, our advances in chip design, intellectual property, and cutting-edge tooling make NORDTECH a strategic springboard for onshoring and scaling secure microelectronics for DoD missions.

**Trusted microelectronics
for DoD missions
starts onshore.**



Secure Value Chain

Microelectronics Assurance



Workforce Development

Exposure, Education, Experience



Innovative Advancements

Onshore Prototyping



Scalable Capacity

Technology Transition

www.nordtechhub.org



NORDTECH

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NORDTECH encompasses a unique technology and commercialization ecosystem of expertise, experience, and facilities assembled over 20+ years in New York and the Northeast region. One example, the IBM Research AI Hardware Center, located in NY CREATES' Albany NanoTech Complex, has a collaborative lab-to-fab partner ecosystem that starts in a CMOS +X materials exploration platform at 200mm and then transitions to a 300mm differentiated BEOL platform for chip-level demonstrations of AI workloads. NORDTECH will leverage this R&D ecosystem for DoD-specific applications. Numerous industry leaders and a growing supply chain are now leveraging this vast network, from Menlo Micro and Edwards Vacuum, to Wolfspeed, Micron and more.

NORDTECH's ability to successfully facilitate technology transition from lab to fab, our scalable infrastructure, and our multipronged workforce development (WFD) initiatives will strengthen the onshore creation and commercial transition of essential technologies in the areas of:

Secure Edge Computing
AI Hardware
Commercial Leap Ahead
Quantum Technology

Through investments from the Microelectronics Commons, NORDTECH projects will accelerate prototyping and technology maturation to strengthen national security and the economic competitiveness of the domestic semiconductor reshoring effort. Our projects will enhance proven approaches to WFD in areas critical to DoD's needs while driving innovation and growth throughout the Northeast semiconductor corridor and beyond.

NORDTECH Founding Five:

 NY CREATES



Cornell University



Rensselaer
200



UNIVERSITY AT ALBANY
STATE UNIVERSITY OF NEW YORK

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