



ADVANCED ELECTRONICS R&D AND MANUFACTURING



ALBANY/NEW YORK'S CAPITAL REGION

As home to a dynamic convergence of innovation, R&D and manufacturing, Albany/NY's Capital Region has emerged as a major global hub for development, commercialization and production of advanced electronics and semiconductors. The cluster is anchored by the **Albany NanoTech Complex**: North America's only 300mm open access semiconductor R&D facility and a **National Semiconductor Technology Center (NSTC)**-designated hub. In 2026, through its **NSTC EUV Accelerator**, the Albany NanoTech Complex will become North America's only non-profit-led, public-private High NA EUV Lithography Center with sub-2nm chip component production capabilities. The \$10 billion partnership driving this center involves **IBM, Micron, Applied Materials, Tokyo Electron**, and others. Further bolstering the region's tech R&D industry are two R1 institutions: the University at Albany and Rensselaer Polytechnic Institute. The Capital Region is also home to **GlobalFoundries** Fab 8: one of the nation's most advanced non-captive semiconductor foundries that makes chips for companies such as **Apple, General Motors**, and **Lockheed Martin**. In addition to planning a second fab, GlobalFoundries will develop a first-of-its-kind advanced packaging and photonics center in the region.

REGIONAL GROWTH

- **1.1M** Population
- **#1** Net gain in young adults (18-35) statewide since 2020
- **9%** Tech R&D and **6%** MFG 5-year job growth
- **\$1.4B** in annual business R&D spending – **2nd** most in NY

THIRD

FASTEST-GROWING MFG GDP IN NORTHEAST



TALENT PIPELINE

- 22** COLLEGES & UNIVERSITIES
- 30+** ENGINEERING/SEMICONDUCTOR RELATED PROGRAMS
- 21,013** DEGREES AWARDED
Including 4,560 in STEM
- 3** FIRST-OF-THEIR-KIND IN U.S. AND/OR NY SEMICONDUCTOR REGISTERED APPRENTICESHIP PROGRAMS

10,427 JOBS (2024)

14th Most semiconductor & related device manufacturing jobs in the U.S.

12th Most R&D in physical, engineering & life sciences jobs in the U.S.

INDUSTRY ASSETS

MANUFACTURING AND R&D



NY CREATES is the owner and operator of the Albany Nanotech Complex, which brings together leading global companies and academia to develop the next generation chip and chip fabrication processes.



STARTUP COMPANIES



SUPPLY CHAIN

ADVANCED MATERIALS & CHEMICALS

Crystal IS
Evonik Active Oxygens
Free Form Fibers
Lithoz America
Starfire Systems
YINCAE Advanced Materials

ENGINEERING

DPS Group Global
Exyte
EYP Architecture & Engineering

EQUIPMENT

Banner Industries
Capovani Brothers
Edwards Vacuum
General Control Systems
Precision Valve and Automation
RAITH America
SCREEN Semiconductor Solutions
Sono-Tek

FITTINGS

Harrington Industrial plastics
Swagelok

GAS

Air Liquide
Noble Gas Solutions



The Center for Economic Growth (CEG) leads business attraction and expansion activities for Albany/NY's Capital Region. Our team can provide assistance with site selection, incentive coordination, market research, access to workforce, supply chain connections, and more. **Contact John Taylor, Director of Economic Development at johnt@ceg.org.**



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