



CLEAN ENERGY R&D AND MANUFACTURING



ALBANY/NEW YORK'S CAPITAL REGION

New York's Capital Region has been shaping the nation's power landscape for more than a century, dating back to the first steam generator at General Electric's Schenectady plant in 1901.

Now, **Plug Power** is making hydrogen fuel cells and **GE Vernova** is manufacturing onshore wind tower components and hydrogen-cooled generators. In addition to developing software for electric vehicle (EV) charging stations, **Lynkwell** manufactures them at a facility in Rotterdam. And **Sabic** is manufacturing resins used for EV charging stations and EV battery packs. At the same time, startups such as **Pallidus**, **Key Capture Energy** and **Wright Electric** are leading innovations for silicon carbide (SiC) power electronics, utility-scale lithium-ion batteries, and electric airplanes, respectively.

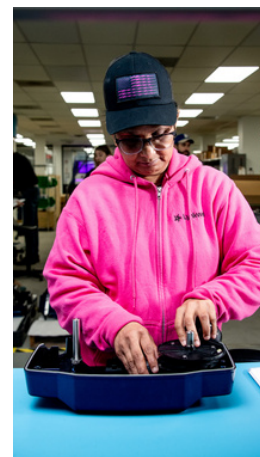
Backed by world-class R&D capabilities at **GE Vernova's Advanced Research Center** and renewable energy laboratories at the **University at Albany** and **Rensselaer Polytechnic Institute**, the region's Clean Energy Cluster is a green economic engine. Offshore wind component manufacturing capabilities are also available at the **Port of Albany** and **Port of Coeymans**.

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

20,000 DEGREES AWARDED
Including 4,000 in STEM

3,998 JOBS (2024)

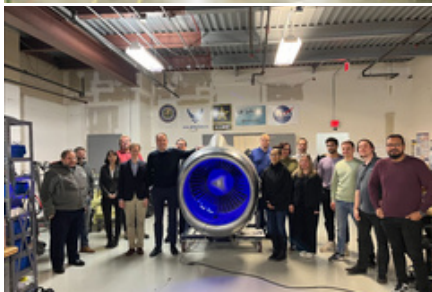
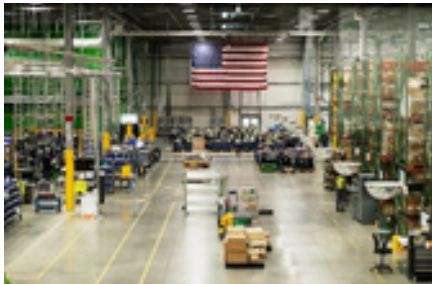
4th Most jobs in Northeast in Turbine
and Turbine Generator Set Units
Manufacturing (1,666)*

5th Most jobs in Northeast in All Other
Miscellaneous Electrical Equipment and
Component Manufacturing (1,458)*

* Albany-Schenectady-Troy, NY MSA

INDUSTRY ASSETS

MANUFACTURING AND R&D



GE VERNOVA



Lynkwell



SOLUNA



STARTUP COMPANIES



ENERGY CATALYST
GROUND BREAKING CLEAN HEAT



FREE FORM
FIBERS



KEY CAPTURE
ENERGY



ORION



pallidus



standard
hydrogen
corp.



Wright

SUPPLY CHAIN

ADVANCED MATERIALS

Ames Goldsmith
Ecovative
Free Form Fibers
James Cropper Advanced Materials
Orion Polymer
Pallidus
Starfire Systems

PARTS, COMPONENTS, SENSORS

Electronic Coating Technologies
Energy Hardware
MTI Instruments/Vitretek
Outage Technology Solutions

PUMP SYSTEMS

Energy Catalyst
Environmental One
Ludlow Electromechanical Hardware

CHARGING STATIONS (EV, HYDROGEN)

Lynkwell
Standard Hydrogen Corp.

SOFTWARE SOLUTIONS

Ecolong
Kitware
WRI Energy



CENTER for
ECONOMIC
GROWTH

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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