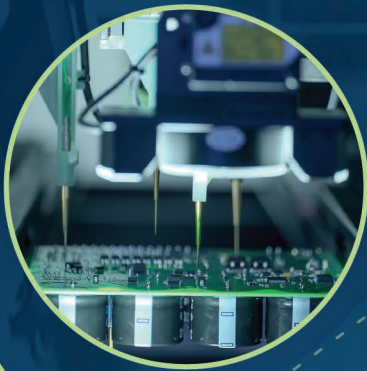


Engineering the Future of **Advanced Manufacturing**



Made for Manufacturing

The Research Triangle region has emerged as a leading hub for advanced manufacturing, driven by cutting-edge technologies such as automation, robotics, artificial intelligence, and advanced materials. What makes the region made for manufacturing?



Naturally Resourceful

From shovel-ready sites and low land costs to abundant water sources, key minerals, and diverse geography, the region draws on a wide range of natural assets.



Prime Location

Easy access to major East Coast markets, statewide multimodal transportation, and coastal proximity.



Industry Crossover

Where industries converge, advanced manufacturing companies work directly with other fast-growing industry sectors such as agtech, cleantech, life sciences, and technology.

Talent Production

The highly skilled advanced manufacturing workforce is developed through partnerships with community colleges, universities, high schools, and employer-led collaborations. **While the three R-1 universities drive workforce numbers, it's often short-term, credentialed programs and collaborations that produce the talent companies need.**

AdvanceNC

Supports the region's seven advanced manufacturing sectors through workforce training programs — such as **CMfgA certification and process technician training** — along with access to a job portal and employer resources.

Programs & Networks

North Carolina State University

- Center for Additive Manufacturing & Logistics
- Wilson College of Textiles Functional Nanofibers Lab
- Industrial Expansion Solutions (IES)
- Biomanufacturing Training & Education Center (BTEC)

NC Manufacturing Extension Partnership

NC Community Colleges BioNetwork

North Carolina Triangle Apprenticeship Program (NCTAP)

A paid apprenticeship that begins in high school, focused on careers in manufacturing, engineering, automotive, and skilled technical trades.

R-1 Universities



Duke University



NC State University



UNC Chapel-Hill

Manufacturing-Minded

With the **advanced manufacturing industry growing at six times the national average**, the region is embracing this shift to high-tech production. While traditional nondurable goods are important to the statewide economy, a new era of manufacturing using technology is here to stay. Below are a few notable manufacturing companies in the region.

Top Sub-Sectors

Industrial



Life Sciences



Materials



Consumer



Aerospace



On Notice

As one of the nation's top manufacturing states, **North Carolina has a long history of strong performance in this industry.** Due to rapid innovation, significant investments by new and existing companies, and a highly-skilled workforce, many companies are taking notice of this momentum.

Regional

~200
Companies

13k
Employed

+\$2B
in GRP

Statewide

~11k
Companies

500k
Employed

8th
in the U.S. for
contribution
to GDP

Built for Utility

The region is one of the most utility-ready regions in the U.S. due to its **geographic location, modernized grids, abundant regional water supply, lower risk of major natural disasters, and scalability**. Here are a few supporting stats:

Average Industrial Energy Costs

~6.71¢
per kWh

(Raleigh/Research Triangle),
MIE Solutions, 2025

Natural Gas is the Lowest- Cost Energy Source

~\$6.32
per MMBTU

(North Carolina), NC State Energy
and Water Annual Report, 2025

Average Industrial Water Costs

~\$7.25
per 1,000 gal.

(North Carolina), The North Carolina
Department of Environmental Quality, 2025

Tap Into the Triangle

The Research Triangle Region provides all the resources necessary to lead the future of life sciences.

You'll find a strong and diverse talent pipeline, access to leading research institutions, and a fully developed infrastructure supporting both R&D and manufacturing, all within a single integrated ecosystem where your company can grow.

Lead the way with us.



The **Research Triangle Regional Partnership (RTRP)** is your direct connection to the 14 county Research Triangle Region in central North Carolina. We serve as a connector between industry looking to expand and the economic development offices, government agencies, and business organizations that support private sector growth.

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researchtriangle.org

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