



UpstateSCAlliance



1,158

engineered materials
companies
Upstate SC



45,300+

employed in engineered
materials industry
Upstate SC



2,415

manufacturers
Upstate SC



125+

robotics & automation
companies
Upstate SC



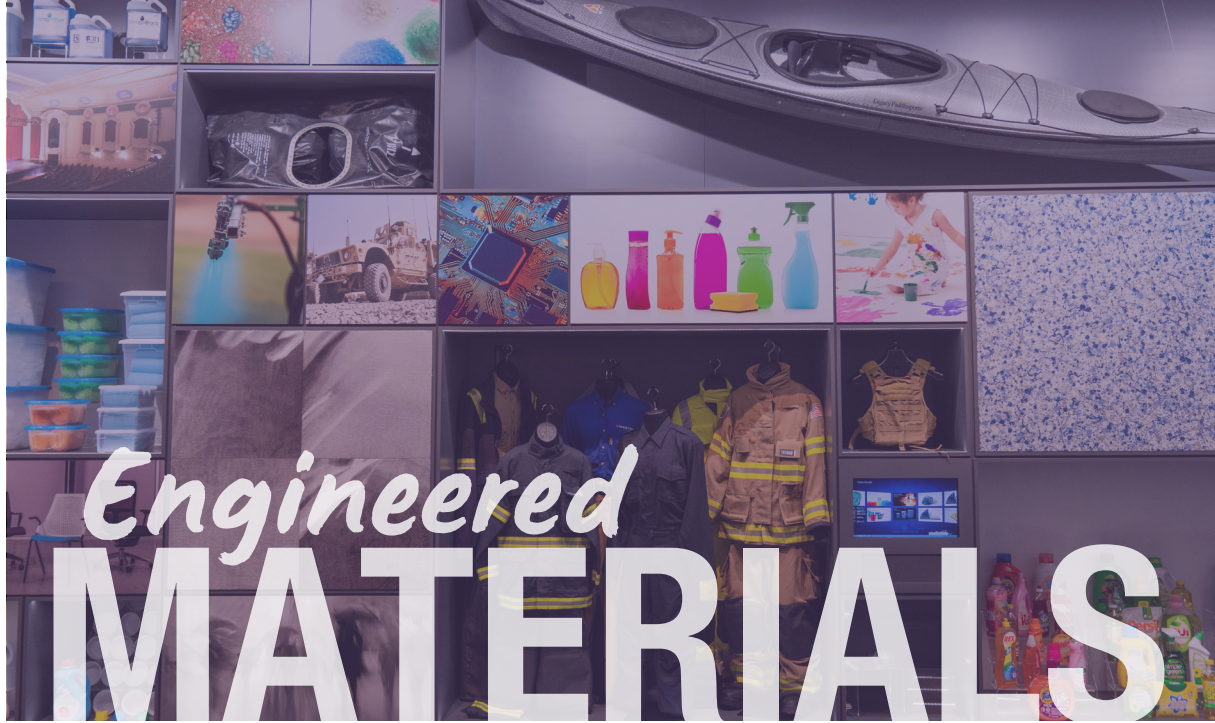
579

international companies
Upstate SC



#1

industrial electricity
rate in the South Atlantic
South Carolina

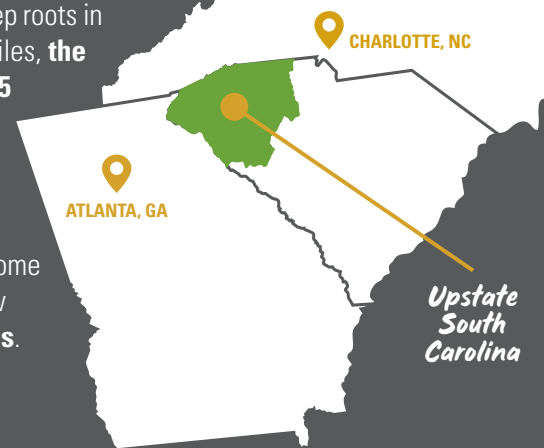


Engineered MATERIALS

Lighter. Stronger. Faster.

Engineered materials research and manufacturing has deep roots in Upstate South Carolina. Building on its rich history in textiles, **the Upstate's advanced materials cluster has seen \$1.85 billion in capital investment and 4,020 new jobs announced in the last five years.**

Upstate businesses are engineering materials that are solving industry challenges and producing materials for some of the world's most complex products — innovations now found in **Boeing's 787 Dreamliner to BMW's X models.** From surfboards to circuit boards, Upstate companies are making materials that are lighter, stronger, and faster.



Strength in Engineering



2.4x

national concentration for
industrial engineers



1,950

engineering completions
in 2023



10,070

engineering jobs
1.28x national average

UPSTATE LEADERS IN ENGINEERED MATERIALS

Milliken

'TORAY'
Toray Industries, Inc.

Sealed Air

TEIJIN

MITSUBISHI
POLYESTER FILM

AFL

SYENSQO

SAGE
Automotive Interiors

FUELING THE CLUSTER

From advancing optical connectivity to pioneering bioresorbables to lightweighting solutions for the automotive and aerospace industries, innovation and engineering are fueling the advanced materials cluster in the Upstate. And, our local research institutions are partnering with Upstate companies to support innovative R&D and engineering that propel industry forward.

ADVANCED MATERIALS RESEARCH LABORATORY

Clemson's Advanced Materials Research Laboratory (AMRL), a state-of-the-art facility, houses internationally recognized research programs in optoelectronics, chemistry and materials science.



Available resources include:

- Electron Microscopy Laboratories
- Laser & Chemical Laboratories
- Optical Fiber Drawing Capabilities
- Class 100 Clean Rooms & Instrumentation Facilities

CLEMSON COMPOSITES CENTER

Companies can test, refine and commercialize cost-effective technologies related to all aspects of composites and lightweight materials design, process, manufacturing, characterization and testing at this investigative research and educational hub.

Manufacturing equipment includes manual and automated injection molding, compression, forming and continuous processes.



Facility includes:

- Composite Production Lab
- Pre- and Post-Composite Fabrication Lab
- Compounding / Lab Scale Injection Molding Lab
- Industry Scale 1,000-ton High-Pressure Resin Transfer Molding Press

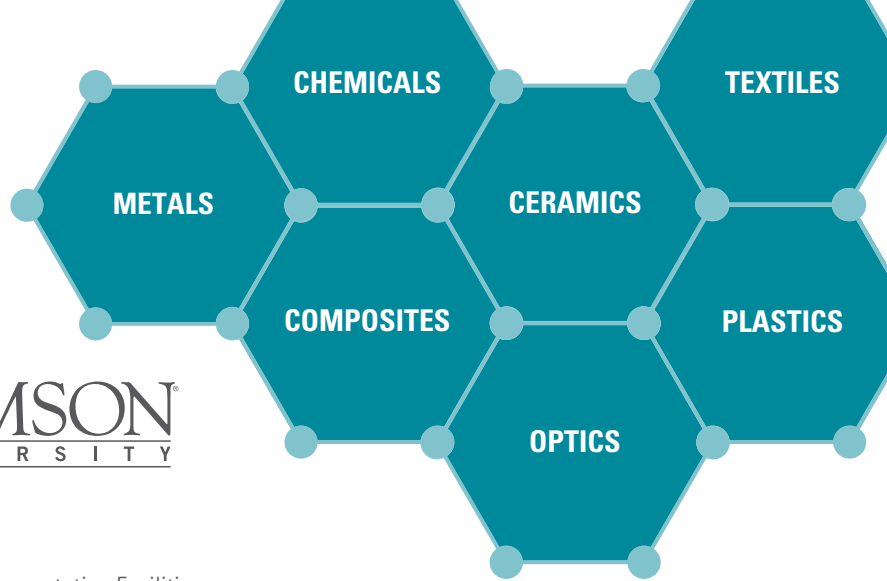
McNAIR CENTER FOR AEROSPACE INNOVATION & RESEARCH

The McNair Center's mission is to support the aerospace industry through education, research and economic engagement, with \$30 million in annual research grants and 100 graduates each year.



Primary research areas:

- Advanced Composites
- Advanced Air Mobility
- Combustion
- Automation



For four decades, AFL has been deeply rooted in Spartanburg County. Thanks to the strong support of our state and local leaders, our expansion enhances our global manufacturing capabilities while strengthening our local community. This investment enables us to better serve customers worldwide with increased production capacity, while creating new opportunities in the Upstate."

Jaxon Lang

PRESIDENT & CEO, AFL

RECENT UPSTATE ANNOUNCEMENTS by Capital Investment

COMPANY	CAPEX	JOBS
Toray Industries	\$200,000,000	125
AFL	\$155,000,000	150
Pregis	\$80,000,000	120
Sealed Air Corporation	\$70,000,000	0
Glen Raven	\$70,000,000	135
Smurfit Kappa	\$68,000,000	200
Evrnu	\$51,850,000	65
Fibertex Nonwovens Inc	\$49,500,000	39
TC Transcontinental Packaging	\$47,000,000	0
Verdeco Recycling	\$43,000,000	79



UpstateSCalliance
Business moves here.

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