



UpstateSCAlliance



33

passenger vehicle OEMs within a day's drive



250+

automotive-related companies



#2

automotive exporter in the U.S. by value
South Carolina



2,303

manufacturers



576

international companies



375

robotics & automation companies



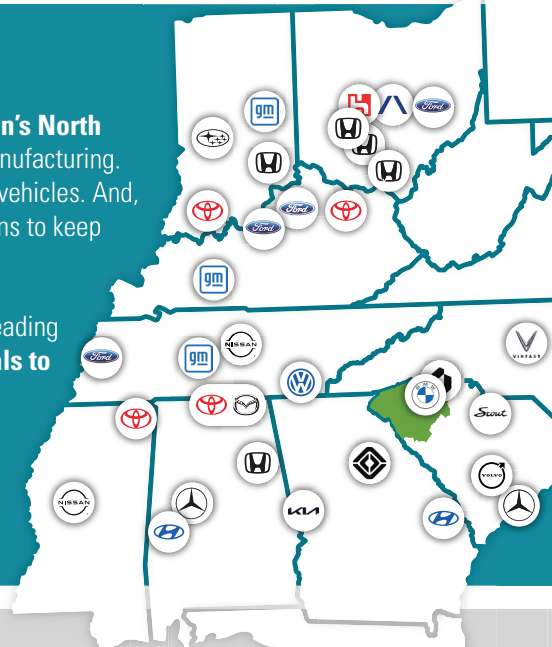
AUTOMOTIVE

Driving the future of mobility.

Home to **BMW's** largest vehicle production facility. **Michelin's North American** headquarters, research, development and tire manufacturing. **Oshkosh Defense's** production of next-generation delivery vehicles. And, technology firms like **AWL** that are providing process solutions to keep industry at peak productivity.

More than a production powerhouse, the Upstate region is leading the charge on mobility innovation. From **composite materials to alternative fuel sources to autonomous systems**, collaborative research driven by corporate partnerships is accelerating change in the automotive industry.

It's all happening in the Upstate.



TALENT *with drive*

Automotive employment concentration

6x

national average

Engineering technician concentration

1.5x

national average

Industrial engineering concentration

2.4x

national average

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One of the best things we experienced here is the Spark Center SC, which helped us get a temporary office, address & mailing services. Now, having Spartanburg Community College right around the corner supplying us with technical scholar students, mechanics, mechatronics & programmers is a great help for us to develop our talent inside our company.

Per Blohm

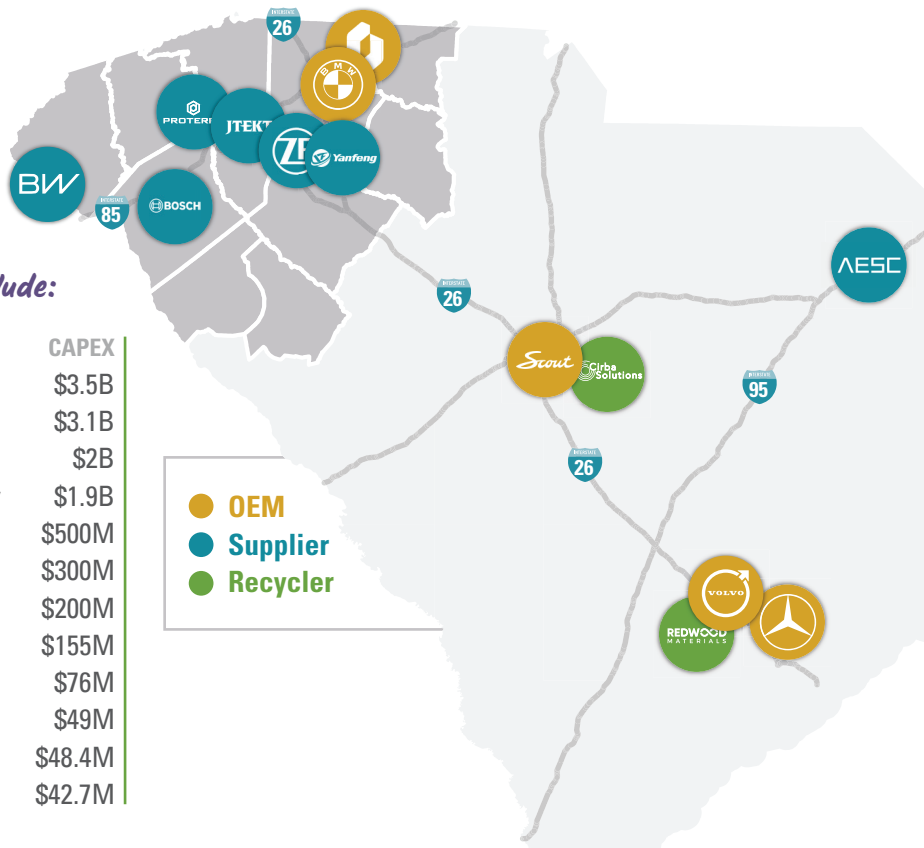
FORMER GENERAL MANAGER USA, AWL AUTOMATION

CHARGING FORWARD IN SOUTH CAROLINA

Upstate SC has seen **\$4.2 billion in automotive investment in the Upstate over the last five years** as existing companies ramp up and new companies plug in.

Recent statewide automotive announcements include:

COMPANY	FOCUS	CAPEX
Redwood Materials	Battery Recycling	\$3.5B
AESC	Battery Production	\$3.1B
Scout	EV Trucks & SUVs	\$2B
BMW Manufacturing Corp.	EV SUV & Battery Assembly	\$1.9B
ZF	ICE & EV Transmissions	\$500M
Cirba Solutions	Battery Recycling	\$300M
Bosch	Hydrogen Fuel Cells	\$200M
Oshkosh Defense	U.S. Mail Delivery Vehicles	\$155M
Yanfeng	Interior Components	\$76M
Proterra	Battery Production	\$49M
JTEKT	Driveline Components	\$48.4M
BorgWarner	Battery Production	\$42.7M



POWERING MOBILITY INNOVATION

CLEMSON UNIVERSITY INTERNATIONAL CENTER FOR AUTOMOTIVE RESEARCH



Cutting-edge mobility technologies and the next generation of engineers are emerging from this 250-acre collaborative research park, home to Clemson's Department of Automotive Engineering.



CU-ICAR has awarded **900+ Masters degrees and 100+ Doctoral degrees**, and has established an **Undergraduate program with a focus on EV and autonomy**.



And with 67% of research sponsored by industry, Clemson minds are creating advancements in composite materials, advanced propulsion, connected autonomous systems, and battery materials, manufacturing, management and integration.

COLLABORATIVE RESEARCH: REVVED



"Revolutionizing Electric Vehicle Education" through evidence-based research to investigate integration of virtual and augmented reality systems to support **electric vehicle manufacturing and education**.

Industry Partners



Education Partners



INTERNATIONAL TRANSPORTATION INNOVATION CENTER (ITIC)

The Southeast's premier mobility testing ground, iTiC is a nonprofit facility where OEMs, suppliers, researchers and startups can test and validate mobility solutions.



1-mile asphalt straightaway



1,700-foot durability track



Fast charging for EVs



3-mile highway speed oval

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