

SOUTH CAROLINA: THE ADVANCED ENERGY INDUSTRY'S NEXT POWER MOVE

We're engineered for growth and charged for the future

As a U.S. Economic Development Administration-designated Tech Hub, South Carolina is turning the promise of advanced energy into reality. By leveraging our manufacturing strength and research excellence, we are developing, testing, and deploying solutions to meet rising demand, enhance grid resilience, strengthen national security and advance energy independence on a global scale.

Strategic location

In business, location is everything. That's why South Carolina's prime, U.S. East Coast location and strong transportation infrastructure offer a clear advantage for companies looking for efficient and reliable access to multiple markets.

The state, which is within **1,000** miles of roughly **65%** of the country's total population, is halfway between New York City and Miami and one trucking day to multiple markets.

A booming advanced energy landscape

Surging demand

South Carolina is becoming a magnet for energy-intensive industries. As a rising hub for advanced manufacturing and data centers—two sectors with massive energy needs—the state offers the scale, capacity, and infrastructure companies need to power and grow their operations.

Business-friendly environment

Pro-growth policies, streamlined permitting and strong state support give companies a clear path from planning to production. Global leaders like EnerSys, Easton, Schneider Electric, eVac, Westinghouse, Bosch and Redwood Materials are already investing billions here—drawn by the speed-to-market advantage and stable regulatory climate.

Innovation Ecosystem

South Carolina has the technology, the talent and the vision to lead the way. Home to over 200 active players across the energy value chain, labs, and dedicated R&D institutions, South Carolina provides the infrastructure and ecosystem where innovation moves fast. Nationally recognized testbeds like EDGE (grid emulation), GECO (cyber security), and CIBI (battery manufacturing) give companies a head start in development, testing and deployment.



By the numbers: South Carolina's advantage

Institutional support	Workforce potential	Production capacity
\$45M in federal funding for energy	10.7% population growth in the last decade	50% of U.S. nuclear fuel is produced in South Carolina



SC NEXUS

SC Nexus is a consortium of 50+ partners across public agencies, energy, academia, manufacturing and investment. It connects you directly with business leaders, researchers, and policymakers—and provides the tools to accelerate your success, including:

- Strategic test bed access across energy sectors
- Talent and workforce development
- Connections to public-private partnerships
- Business support and market insight
- Liaison services to federal and state agencies
- Pathways to funding and financial incentives for R&D and workforce development

Powering the talent pipeline

South Carolina is building the workforce to match its energy ambitions—through partnerships that span early education, technical training, and direct-to-industry career pathways.

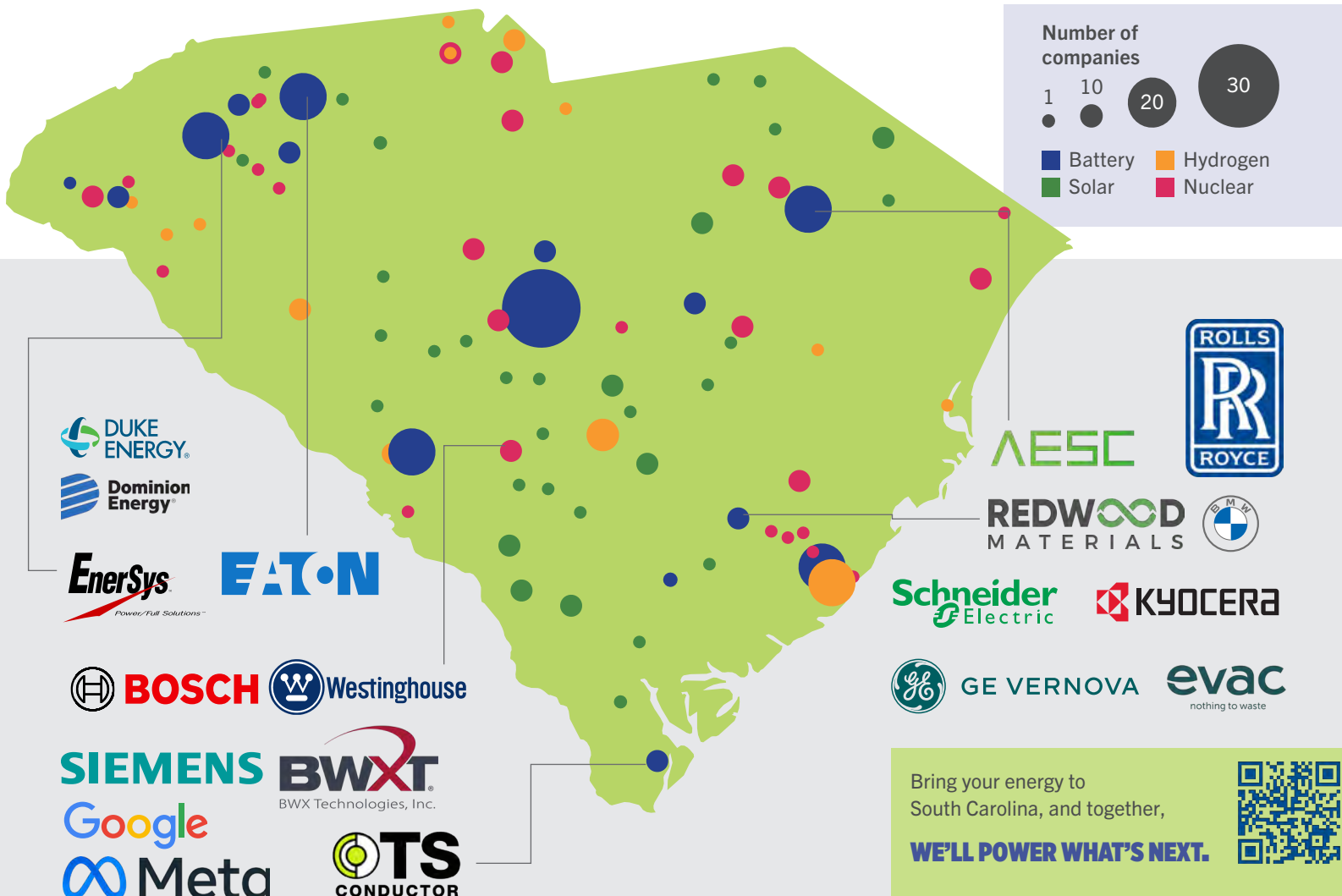
The Education and Workforce Center (EWC) is creating hands-on training and career-connected education aligned with advanced energy roles across the state.

The employer collaborative gives companies a direct role in shaping talent pipelines, co-developing programs that match their real-world workforce needs.

ReadySC™ connects new and expanding companies to skilled labor, delivering custom training fast.

Apprenticeship Carolina™ works with our technical college system to address talent needs in the pipeline.

South Carolina hosts 200+ leading players across the advanced energy industry



**The Advanced Energy Asset Map is a dynamic and evolving resource. While it highlights many key companies, organizations, and assets, it does not represent an exhaustive list of all entities involved in South Carolina's advanced energy sector.*