



Advancing America's clean energy transition begins with SC NEXUS.

THE SC NEXUS FOR ADVANCED RESILIENT ENERGY (SC NEXUS) IS:

- A consortium of public and private statewide entities.
- Driving innovation in technologies that enable an end-to-end resilient, sustainable energy ecosystem.
- One of 31 Regional Technology and Innovation Hubs (Tech Hubs) designated by the U.S. Department of Commerce's Economic Development Administration.



Tech Hubs are designed to quickly grow the nation's ability to **design, manufacture** and **export critical technologies**.

WITH \$45 MILLION SECURED IN FEDERAL FUNDS, THE SC NEXUS TECH HUB WILL:

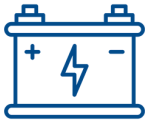
- **Create** inclusive pathways for South Carolinians to access new, high-quality jobs.
- **Close** infrastructure gaps in rural and distressed communities.
- **Ensure** continued access to a reliable supply of low-cost electricity.
- **Strengthen** the nation's economic competitiveness and national security.

Current projections expect the new energy economy to create **14,000+ jobs in South Carolina by 2030.**

50+ CONSORTIUM MEMBERS
20+ BUSINESS, INDUSTRY REPS
6 EDUCATION INSTITUTIONS
5 UTILITY PROVIDERS

SUPPORTING ADVANCED ENERGY TRANSMISSION AND DISTRIBUTION

FEDERALLY FUNDED PROJECTS



Carolina Institute for Battery Innovation (CIBI)

Led by University of South Carolina, this project will establish a stationary battery manufacturing pilot line in Columbia.



Grid Enabled Cyber Operations Range (GECO)

Led by Savannah River National Lab, this project will establish a cyber testing range for grid connected equipment, with both grid operator training and equipment testing benefits.



Economic Development through Grid Emulation (EDGE)

Led by Clemson University, this project will provide a one-of-a-kind 25 MW AC/DC grid emulation facility with mobile, in-field power and voltage testing capabilities for grid-connected equipment and microgrids.



Education and Workforce Center

Led by the SC Technical College System, this project will enhance awareness of S.C.'s energy-focused industries and job opportunities, identify, and develop the skills necessary for success in these roles, and provide critical support services to ensure advanced energy workers have access to these opportunities.

ADDITIONAL SC NEXUS ASSETS, RESOURCES



Hydrogen Exploration

SC NEXUS will not move forward with the previously announced H2 testbed but remains committed to exploring a hydrogen-focused project. The project is currently in redevelopment.



Entrepreneurship and Innovation Exchange (eiX)

Led by South Carolina Research Authority, this project will provide comprehensive business, technical and hands-on training, leverage and connect assets of the existing entrepreneurship and innovation ecosystem across the SC NEXUS hub, and deploy additional capital and incentives to support new and growing startups.