



SOUTH CAROLINA ENGINEERING CLUSTER - *Matching Your Needs With Engineering Solution Providers*

A **cluster** is, quite simply, a group of complementary businesses that focus on or service the same industry. They come together to increase efficiency and innovation within that industry, while boosting the overall economy in their region by attracting more businesses to the area and enhancing existing businesses. And though the conversation about South Carolina's clusters has only begun, the concept of increased productivity through specialization and economic growth through collaboration appeared as early as Plato's Republic in 360 BC. Now more than 2,000 years later, there are 1,400 cluster initiatives around the world, breaking through city and even state boundaries, and driving local and regional growth. In South Carolina, our clusters are driven by the South Carolina Council on Competitiveness and its initiative called **New Carolina**. New Carolina works collaboratively with partners from business, government, academia and the economic development sector to drive a long-term economic strategy around increasing per capita income in South Carolina.

Engineering in South Carolina represents major academic institutions, hundreds of companies and thousands of engineers. South Carolina engineers have developed new technology and designed major projects around the world in almost every industry. These industries include electronics, automotive, chemical, biotech, energy, infrastructure and a lot more. If your needs range from nano to mega, you can get your product or project designed, equipped and built by organizations with engineers here in the state of South Carolina.

We have a growing list of accomplishments that give us the expertise and experience to solve the problems of tomorrow. This list includes:

- A statewide government, academic and private engineering partnership
- Four major engineering institutions that have graduated thousands of scientists and engineers
- A statewide network of research campuses that develop new technology and support startups
- Dozens of community colleges that graduate skilled technicians
- More than 45,000 engineers statewide that represent one of the highest per capita in any region in the world
- Hundreds of companies that have designed and built:
 - Roads, bridges, airports and mass transportation systems
 - Office buildings, research labs, commercial and other specialized buildings
 - Environmental management systems
 - High tech facilities for electronics, biotech, chemical, automotive, aerospace and advanced manufacturing
 - Advanced logistical and distribution systems
 - Oil and gas processing facilities
 - Energy generation and distribution systems
 - Communications, information processing and automation systems
 - Equipment and systems built to your specifications
 - Specialized solutions for the government and military
 - Support / maintenance systems for existing facilities
 - The ability to quickly respond to a customer's needs anywhere in the world

WHAT CAN WE DO FOR YOU ?

Assess your needs and define your requirements for engineering expertise

Connect you with educational institutions to design and implement programs to fit your technical needs

Connect you with engineering companies that have the skills and experience to develop the designs you require

Connect you with engineering companies that can fabricate and build the components for your new designs

The South Carolina Engineering Cluster has been formed to help customers understand their needs and find engineering solution providers. Give us a call, we're ready to help you turn your dreams into reality.

For more information: Send emails to contact@southcarolinaengineering.org or visit <http://www.southcarolinaengineering.org>