

South Carolina is Just Right for Composites and Advanced Materials

Advanced manufacturing requires advanced materials, and South Carolina is increasingly supplying it to the world in the form of plastics, optics, photonics, advanced textiles and composite materials. From its textile beginnings in the early 20th century, the Palmetto State remains at the forefront of the production of composites and advanced materials. With an innovative workforce, significant research facilities focusing on polymer and advanced composites technology and a growing supply of engineers, South Carolina supports an increasingly significant cluster of advanced materials companies.

TORAY
Innovation by Chemistry

CONFLUENCE
W M T S F C A

JPS
COMPOSITE MATERIALS
AIP Innovations Group

TIGHTCO
TIGHTCO Inc., a member of the Harsco Group
AEROSTRUCTURES GROUP

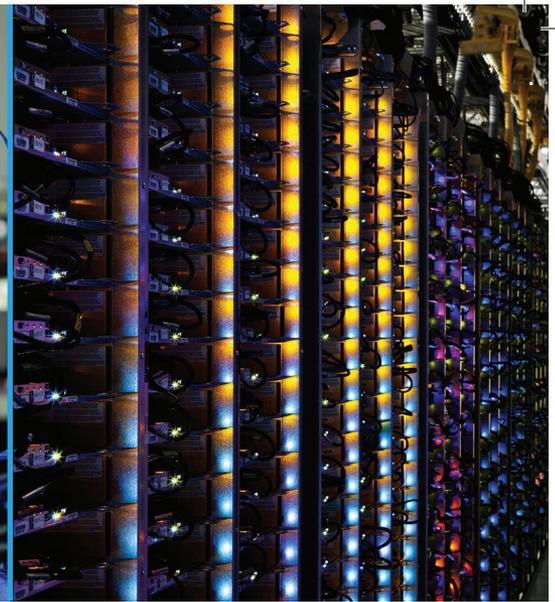
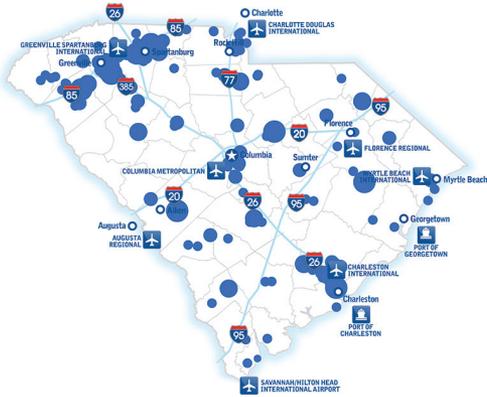
JARDEN
applied materials

Cytec
ENGINEERED MATERIALS

South Carolina

Just  right.

SCcommerce.com



Fueling Growth in the Composites and Advanced Materials Industry

Composites and Advanced Materials: A Growing Sector 2006-2014

Since 2006, companies in the composites and advanced materials sector have announced over \$1.5 billion in capital investment in South Carolina creating over 2,800 new jobs. The table below highlights a few of these recent announcements.

| Company | Jobs | Capital Investment |
|------------------------|------|--------------------|
| Toray | 500 | \$1 Billion |
| Trelleborg | 150 | \$50 Million |
| GKN Aerospace | 250 | \$38 Million |
| TIGHITCO | 350 | \$30 Million |
| Sigmatex | 50 | \$12 Million |
| CHOMARAT North America | 20 | \$10 Million |
| Innovative Composites | 300 | \$9.3 Million |
| Carbures | 50 | \$6.5 Million |
| Tetramer Technologies | 25 | \$1 Million |

Research and Development

The South Carolina Research Authority's (SCRA) Composite Manufacturing Technology Center and Clemson University's Advanced Materials Center in Anderson, South Carolina comprise one of the top R&D and application centers for composites in the world. The Advanced Materials Center has some of the world's brightest science and engineering faculty and graduate students conduct leading-edge research. The Center is a major catalyst for collaboration between the private and public sectors. Most notably research on fibers, ceramic technology, plastics and advanced composites technology has been conducted for and recognized by the National Science Foundation, the Department of Defense and NASA; all three have offered funding to fuel future innovation.

The Composites Manufacturing Technology Center (CMTC) is one of nine United States Navy Manufacturing Centers of Excellence in the United States. The Centers of Excellence support the U.S. Navy's Office of Naval Research and are internationally recognized for their work in improving weapons systems and troop safety for U.S. forces. Currently, the SCRA is fulfilling a \$150 million contract to develop lighter-weight technology for Navy ships, tanks and airplanes.

Graduating more than 1,500 engineering students each year, Clemson University and the University of South Carolina help provide a solid pipeline for composites and advanced materials companies seeking an educated and talented workforce.