



SCRA builds and leads applied research teams.

SCRA has 24 years of experience building multi-organizational applied R&D teams from industry, government and academia. We provide leadership as well as financial, contract, and audit management for applied R&D programs so that our partners can stay focused on solving clients' technical challenges. We know how to overcome traditional barriers to teaming - such as geographical and organizational divides, and intellectual property issues. SCRA's objective "trusted agent" approach helps teams reach consensus, establish priorities, and deliver technology-based solutions to complex client challenges.

For the Department of Defense...

- Improving Navy shipbuilding processes and products through a collaboration of the 11 leading U.S. shipyards
- Reducing the weight of Navy ships through composites applications
- Improving packaging to keep Army MREs safe and nutritious
- Reducing the warfighters' risk of infection by implementing advances in apparel technology
- Decreasing warfighter injuries through the use of lightweight, flexible composite body armor
- Providing faster, more dependable delivery of needed parts and services to the warfighter

For Industry...

- Enhancing interoperability and data sharing through STEP and other product data standards for partners such as Boeing, Lockheed Martin, Northrup Grumman, BAE Systems, Raytheon, and Rockwell Collins
- Helping entrepreneurial start-up companies with funding, counseling, networking, and commercialization services
- Creating Knowledge Economy jobs

For the Department of Justice...

- Implementing Project SeaHawk, the national model for interagency operations centers
- Developing test programs to detect contraband in shipping containers
- Deploying an interstate Law Enforcement Information Sharing System

For the Department of Homeland Security...

- Developing the national model for implementation of an integrated wireless radiological sensor system for transportation security
- Developing an Emergent Threat Analysis Consortium to better forecast next-generation threats

For Research Universities...

- Increasing applied research subcontracts for university investigators from DoD and other mission-oriented Federal agencies
- Providing a more competitive stance for attracting research grants by leveraging multi-university collaborations

SCRA currently manages over 35 national and multinational programs worth over \$270M in applied R&D contract value.



SCRA leads many national-level programs, including two
Navy Centers of Excellence
- one in composites and one in shipbuilding.

SCRA provides project management and technology for Charleston's Operation Seahawk,
the national model for port security.

Programs like these help South Carolina take a leadership role in the
shift to a Knowledge Economy.

 **SCRA** teams create and execute technology solutions.

1,580,000,000,000

bytes of MRI brain image data collected as part of a bioinformatics program to support magnetic resonance imaging research

6,300,000,000

dollars in total economic impact created through SCRA's Research Parks system

928,000,000

dollars of estimated annual savings by reducing interoperability problems in the automotive, aerospace, and shipbuilding industries using the STEP standard created and managed within one of our standards and methodologies programs

20,000,000

annual cost reduction in dollars for the Nation's shipbuilding programs through streamlined, electronic business processes created through one of our shipbuilding programs

9,000,000

dollars worth of grants and contracts resulting from the collaboration of SCRA and research universities in the Nutrition Research Consortium

7,000,000

dollars invested by SCRA to support entrepreneurial businesses through its SC Launch! affiliate

6,000,000

dollars of estimated annual savings to the Navy by applying a high-strength composite covering system on Navy aircraft carriers

178,000

square feet of class A office space owned by SCRA

119,600

orders satisfied annually for the warfighter using the DoD EMALL

1,700

diverse metal parts that the CAST-IT team has worked on to improve reliability and reduce costs

600

critically needed weapons systems parts created by the U.S. Army ARDEC using STEP technology

78

nutrition scientists participating in the Nutrition Research Consortium

40

Knowledge Economy businesses located in SCRA's Research Park System

28

entrepreneurial companies that have received funding from SCRA's SC Launch! affiliate as part of its mission to fuel the Knowledge Economy

21

percent weight reduction in Army trailers using high-performing vanadium-enhanced steel

11

leading U.S. shipyards collaborating in our shipbuilding program to reduce the cost of Navy Ships

www.scra.org

888.345.7272



SC Launch!

SCRA affiliate SC Launch! facilitates applied research, product development and commercialization programs, strengthens South Carolina's Knowledge Economy and creates high wage-earning jobs.

A State-Wide Collaboration Committed to Knowledge Economy Growth

SC Launch! began as a collaboration among SCRA and South Carolina's research university foundations: Clemson University, The University of South Carolina and the Medical University of South Carolina. After

one year of formal operation, this collaboration extended even further with business, academic and economic development entities as Resource Partners in the SC Launch! Resource Network. These part-

ners are integral to the SC Launch! program because they provide an eco-system of support to start-up companies and entrepreneurs with business counseling, mentoring and training.

SC Launch! Programs

SC Launch! is involved in each step of the innovation pipeline, from discovery through development and deployment, continuing with support during later commercialization activities.

Funding – We offer funding in the form of grants, loans, and equity investments, limited by statute to \$200k per entity. SC Launch! participation by clients requires a solid commitment on the part of their principals. SC Launch! prepares its clients for the rigors involved in acquiring follow-on funding from angel and venture capital investors.

SBIR/STTR Phase I Matching Grant Program – This is a one (1) year only trial program designed to award

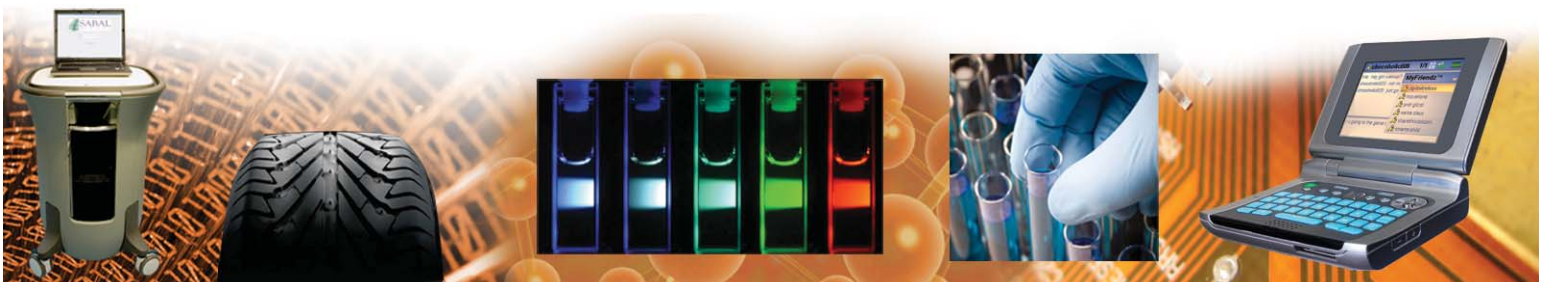
matching funds to South Carolina-based companies that have been granted a Federal Small Business Innovation Research Program or Small Business Technology Transfer program (Federal SBIR/STTR program) Phase I award.

So far, SC Launch! has awarded SBIR/STTR Phase I Matching Grant Program awards to:

- Cell & Tissue Systems, Inc.
- First String Research, Inc.
- Innegrity, LLC
- Microbial Fuel Cell Technologies, LLC
- Tetramer Technologies, LLC
- Selah Technologies, LLC
- **Sensor Electronic Technology, Inc. (Midlands)**

Access to Resource Network – SC Launch! connections with the business, academic and economic development sectors of the state provide an ecosystem of support to maximize client opportunities for success. The SC Launch! Resource Partners are seasoned professionals, who provide basic business services such as banking, accounting, legal counsel, and advertising and marketing. Through this network, SC Launch! companies also receive counseling, mentoring and training.

Other Programs - SC Launch! supports the New Carolina New Ideas contest, landing parties and project demonstrations.



SC Launch! supports entrepreneurial companies that are in the vanguard of South Carolina's shift to a Knowledge Economy.



CreatiVasc Medical

SC Launch! portfolio company, CreatiVasc Medical, has found greater growth and success through SC Launch! collaboration. In addition to a financial investment, the partnership further positioned the company to secure \$3M in private funding and helped them find a manufacturer for their product. CreatiVasc specializes in vascular technologies designed to improve the quality of life for dialysis patients.

"The financial infusion from SC Launch! has enabled us to accelerate our product development and testing activity while we seek to close our private equity funding for continued growth. We could not have achieved what we have without this innovative new program. Being funded by SC Launch! has allowed us to move our commercialization plans forward, and positions us to raise the private equity investment we need to succeed in the marketplace. The entire SC Launch! staff has been tremendous in giving us support and advice. We even found the manufacturer for our first commercialized product, the Fistula Finder®, through SCMEP, an SC Launch! Resource Partner."

Steve Johnson,
CreatiVasc Medical CEO



Q Tires

Q is a tire company that is creating Celsius, the first and only all-weather tire with retractable studs. Q Tires has developed this patented all-weather tire technology for autos and trucks. Celsius technology enables studs to be extended from the surface of the tire in snow and ice, yet lie below the tread when not required. Celsius tires with retractable studs alleviate extensive road damage caused by permanent studs, and improve safety in all weather conditions. Celsius is the long awaited solution to challenging weather conditions.



Digital Derm

Headquartered in Columbia, S.C., DigitalDerm, Inc., was founded by leading melanoma expert James Grichnik, MD, PhD, and Sam Chesnut to develop products that advance the science of dermatology. The company's first commercial offering, MoleMapCD® technology, was developed in conjunction with the Duke Comprehensive Cancer Center, Durham, N.C., where Dr. Grichnik is a researcher and clinician. In use for more than a decade at Duke and other medical facilities, MoleMapCD technology is the new standard of care for documenting the skin of patients at high-risk of melanoma and enhancing the ability to identify melanoma in early, more treatable stages.



Q Tires received a \$200,000 investment from SC Launch! in October, 2007.

