



SCALE UP



FROM THE CHAIRMAN & EXECUTIVE DIRECTOR

We invite you to join us as we reflect on 2021 in our annual report, Scale Up South Carolina. As the cover states, our companies and research teams ‘scaled up’ by working tirelessly to grow their organizations and produce goods and services that are transforming the way business and industry works in South Carolina and beyond. Scaling up for some was increasing their production to become leaders in their fields, and for others it was expanding their workspaces and the size of their staff.

As you study this report, we’re sure you will experience the same level of enthusiasm that we have for the exciting developments happening in our state. Evident of South Carolina being a great place to do business, you’ll read about companies that moved their operations here and how South Carolina Research Authority (SCRA) assisted in those relocations. You’ll also learn about our world-class facilities and their innovative advances, which make them attractive for growing technology startups and academic institutions alike.

During 2021, we continued implementing our FY20-22 Strategic Plan by:

- Funding and supporting the work of our academic partners, who are solving industry’s most pressing problems.
- Ensuring financial sustainability through contributions to the Industry Partnership Fund (IPF), investments in our SC Launch, Inc. Portfolio Companies and successful returns from those investments, and tenant leases at our innovation centers and other facilities.
- Maintaining and growing successful and productive relationships with the

South Carolina legislature and other stakeholders that enable SCRA’s optimal performance.

- Recruiting additional venture capital sources into our state.
- Driving operational excellence through our continuous improvement teams and processes.
- Supporting our Member and Portfolio Companies with grants, coaching, networking, and SC Launch, Inc. investments.

Other 2021 highlights include:

- Realizing an annual economic impact on South Carolina’s innovation economy of \$1.003B through SCRA’s programs and operations.
- Supporting 5,429 jobs throughout the state.
- Enabling over \$2.2B in follow-on funding for SCRA-supported companies since inception.
- Producing and hosting 24 educational webinars and nine CEO podcasts.
- Announcing the funding of SCRA-Academia Collaboration Team Grants, which includes \$3.3 million from SCRA and another \$3.4 million from academic institutions and industry partners.
- Receiving the first contribution to the IPF from a banking institution, Ameris Bank.
- Achieving a successful exit by SC Launch, Inc. Portfolio Company, MedProcure.
- Celebrating Proterra Inc.’s being the first SC Launch, Inc. Portfolio Company to become publicly traded on the Nasdaq exchange.
- Incorporating a diversity, equity, and inclusion (DEI) plan into our pipeline strategy.
- Featuring several success stories included in this report that demonstrate the spirit of hard work and tenacity in South Carolina’s entrepreneurial community.

We also want to extol the collaborations we have with our strategic partners. We greatly appreciate these invaluable teammates, and we would not be able to achieve our mission without them.

With appreciation,



Don Herriott

Don Herriott
Chairman, SCRA Board



Bob Quinn

Bob Quinn
Executive Director, SCRA



FROM THE SC LAUNCH, INC. CHAIRMAN & EXECUTIVE DIRECTOR

Thank you for your interest in SC Launch, Inc., SCRA's investment affiliate. We invite you to read the stories of perseverance and commitment that are included in this annual report. These stories feature our Portfolio Companies and Member Companies.

As the cover states, 2021 was a year of Scaling Up in our state and SC Launch, Inc. is proud to have been part of those successes. Those of you who contributed to the Industry Partnership Fund (IPF) share with our joy in these successes because your dollars provided the resources for these companies to reach their next level of success.

Some of these successes include:

- Celebrating Proterra Inc. for becoming a publicly traded company on the Nasdaq exchange.
- Marking the successful exit of MedProcure, a company that exemplified its steady commitment to the investment process.
- Investing in Hook Security to support their cybersecurity training focused on reducing the risks of cyberattacks for all types of companies, a serious need in today's climate, and in Reporting Xpress, which is helping nonprofits meet their goals of improving our communities.

We also want to thank our partners in South Carolina's entrepreneurial ecosystem. These trusted relationships help us identify companies on a strong growth track. Our investment managers and associates become part of the 'family' with these companies and work tirelessly to ensure they are positioned for our investment(s) and for follow-on funding from other investors. We are proud to partner with these companies that are creating jobs and keeping our state on the cutting edge of innovation.

With sincere thanks,



Peter G. Dunphy
SC Launch, Inc. Board Chair



Matt Bell
SC Launch, Inc. Executive Director

“ To successfully grow any business, you need a trusted partner who believes in your mission and is willing to support you through the various phases of growth. SCRA is that trusted partner for us. We talk to them about the goals of our company, and they continually listen, while providing the support, advice, and the funding we need to continue growing. ”

Jon Scott

ScopeStack Founder and CEO

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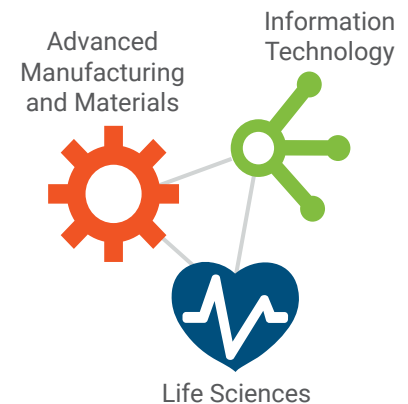


ABOUT US

Chartered in 1983 by the State of South Carolina as a public, nonprofit corporation, South Carolina Research Authority (SCRA) fuels South Carolina's innovation economy through the impact of its four programs. SC Academic Innovations (SCAI) provides funding and support to advance multi-institutional, translational research, and accelerate the growth of university-based startups. SC Facilities (SCF) offers high-quality laboratory and administrative workspaces for technology-based startups and academic institutions. SC Industry Solutions (SCIS) facilitates and funds partnerships between and among startups, industry, and academia. SC Launch (SCL) mentors and funds technology-based startups that may also receive investments from SCRA's investment affiliate, SC Launch, Inc.

VISION

Our vision is for South Carolina to be a top innovation destination.



“ SCRA continues to be a supportive partner in our business. We’ve honed our product and are proud of what we’ve developed. Having SCRA’s support and a solution that our customers need is why we are on track for even more growth. ”

Joel Weinbach, Reporting Xpress Co-Founder and CEO



FUELING SC'S INNOVATION ECONOMY

South Carolina Research Authority is fueling South Carolina's innovation economy by supporting and funding:



SC Academic Innovations

Providing funding and support to advance multi-institutional, translational research, and accelerate the growth of university-based startups.



SC Facilities

Offering high-quality laboratory and administrative workspaces for technology-based startups and academic institutions.



SC Industry Solutions

Facilitating and funding partnerships between and among startups, industry, and academia.



SC Launch

Mentoring and funding technology-based startups that may also receive investments from SCRA's investment affiliate, SC Launch, Inc.

CORE VALUES

Integrity

We employ the highest ethical standards, demonstrating honesty, transparency, and fairness in every decision, and action.

Respect and Trust

We treat each other with dignity and equality to create a culture of inclusion.

Stewardship

We use our resources responsibly.

Courage

We manage risks and do what is right, even in the face of personal or professional adversity.

Innovation

We apply creativity and resourcefulness to the challenges we face.

Collaboration

We cultivate partnerships to achieve our mission.



SCRA is Scaling up South Carolina

2021 was a year of rapid growth in many ways. As our cover states, South Carolina scaled up and roared back into full operation after some pauses and pivots caused by the pandemic in 2020. Our SCRA Member and SC Launch, Inc. Portfolio Companies displayed resilience and have continued to be solid revenue generators. For example, ZVerse Inc. is now the nation's largest producer of reusable face shields and was #67 in the *Inc. 5000* list of the fastest growing private companies. In addition, Precision Genetics Inc. is one of the most active COVID-19 testing organizations in South Carolina.

Other SC Launch, Inc. Portfolio Companies, like Boyd Cycling, have seen their sales doubled over the course of the past year, and they needed to scale up to a new facility in order to keep up with demand of their patented carbon and alloy bike rims. Viatec Inc. obtained new customers, such as Terex Utilities, requiring them to scale up manufacturing. Viatec's SmartPTO system produces better fuel efficiency, and less noise and air pollution, in commercial utility vehicles.

In response, SCRA has scaled up in order to continue providing the best service to our academic, industry, and



“ Success includes having a product or service that people need and having partners who believe in you and support your vision. SCRA has been a staunch supporter of our products and are on this journey with us as we prepare for our next level of success. ”

Gore Bolton
Land Intelligence CEO

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entrepreneurial networks. We recently hired investment associates as an additional level of service who work closely with our investment managers to support early-stage startups to scale their operations and position them for future funding.

We invite you to read on to learn more about how SCRA Member and SC Launch, Inc. Portfolio Companies are scaling up through job creation and salary increases while building a stronger innovation economy for South Carolina.

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FY21

IMPACT METRICS

Fueling South Carolina's innovation economy isn't just our mission, it's central to everything we do. Each year, we work with the University of South Carolina Darla Moore School of Business to study our economic impact on the state of South Carolina. This section shows how SCRA is positively impacting South Carolina jobs, salary, and growth in the innovation sector. Because this sector is one that produces higher salaries and job resilience, SCRA is directly contributing to job creation and salary growth in South Carolina.



\$1.003B

SCRA FY21 ECONOMIC IMPACT

SCRA's impact on the South Carolina innovation economy was \$1,003,390,647 in FY21, an **increase of 5.4%** from FY20. The innovation economy is defined as an economic environment that facilitates the production of ideas, knowledge, and information.



\$2.2B CAPITAL

SCRA Member Companies & SC Launch, Inc. Portfolio Companies have **received a total of \$2,243,441,206 in follow-on funding** since the inception of SC Launch, Inc. in 2006, with **\$722,454,204 received in FY21 alone**. Follow-on-funding is investment capital a company has received after initial financial support from SCRA and SC Launch, Inc.



\$4.6M

GRANTS & INVESTMENTS

SCRA awarded over \$4.6M in funds to Member Companies & SC Launch, Inc. Portfolio Companies in FY21. SCRA grants and SC Launch, Inc. investments help advance research capabilities, commercialize technology, expand product offerings, fund relocation costs, and more.



5.4K JOBS

SCRA operations and programs supported 5,429 South Carolina-based jobs in FY21.



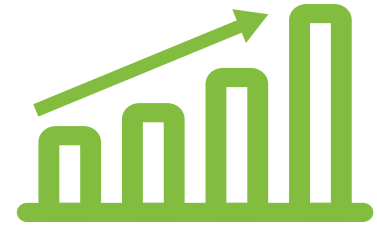
\$73.8K SALARY

The \$73,811 average salary of SCRA Member Companies is **53% higher** than the **average state salary** of \$48,097.



\$22.2M FUNDING AWARDED

SCRA has provided \$22,190,154 in funding to support academic research, startups, and infrastructure, this includes grants, investments, and infrastructure (FY14-21).



2.6X EMPLOYMENT MULTIPLIER

The innovation economy has consistently helped to improve South Carolina's overall employment growth rate. For every 10 jobs created through SCRA, an additional 16 jobs are created elsewhere.



1.35M+ SQUARE FEET

SCRA owns and/or manages 1,358,581 square feet of research, lab, collaboration, and office space.

37 COMPANIES

are located in SCRA facilities.

6 SCRA FACILITIES

are located across the state of South Carolina.



158

is the total number of active SCRA Companies. 102 are SCRA Member Companies and 56 are SC Launch, Inc. Portfolio Companies.



51 ACADEMICALLY AFFILIATED

companies are currently supported by SCRA.

2021

YEAR IN REVIEW



Best Places to Work

SCRA was named #11 in the Small Employer Category of the 2021 Best Places to Work in South Carolina. SCRA was included on the list for **the 11th consecutive year.**

SCRA Strategic Plan & Growth Strategy

SCRA continued to implement its FY2020-2022 Strategic Plan and Growth Strategy. This plan identifies priorities, strategies, and tactics for SCRA programs.



Ameris Bank SCRA's First Banking IPF Contributor

Ameris Bank became the first financial institution to contribute to the IPF. The \$150,000 contribution helped fund SCRA's programs, including grants to eligible SCRA Member Companies and to academic research projects that are producing industry solutions.

"We are firmly committed to the sustainability, well-being, and growth of businesses in South Carolina," says Richard Sturm, Ameris Bank Regional President for South Carolina. "That begins with being a leader in innovation and technology, and we fully support the SCRA's mission to continue to bring jobs and industry to our state."

Ameris Bank operates nine full-service banking locations across the state of South Carolina, covering the Midlands, Greenville, Charleston, and Beaufort areas.



Proterra Becomes First Publicly-Traded SC Launch, Inc. Portfolio Company

Proterra Inc. began trading its common stock and warrants on the Nasdaq Global Select Market under the stock ticker symbols of “PTRA” and “PTRAW.” Proterra is a leading innovator in commercial vehicle electrification technology.

The SC Launch, Inc. investment dates back to the early days of Proterra. Based on the promise of other funding, the company relocated from Colorado to Greenville, South Carolina. When the expected investment did not materialize, SC Launch, Inc., VentureSouth, and a handful of other South Carolina-based investors stepped in to keep Proterra viable during a crucial period in the young company’s existence. This cash infusion provided management with the financial resources needed to weather the storm and emerge on the other side stronger, with the ultimate result becoming a publicly-traded firm.



SCRA Grant Helps Columbia Manufacturer

Columbia-based Nephron Pharmaceuticals wanted a better solution for syringe-filling within a sterile environment and teamed up with the University of South Carolina’s Office of Innovation, Partnerships, and Economic Engagement to develop it. SCRA’s SC Industry Solutions team provided a Demonstration Grant for a team of students and researchers, led by Dr. Ramy Harik, to develop the new automated syringe-filling system that uses flexible, high-speed robots provided by Yaskawa Motoman and processing power developed by Siemens

This collaboration is a great example of how SCRA’s SC Industry Solutions program supports collaborations with entrepreneurs and academia to solve industry needs. Photo Credit: Nephron Pharmaceuticals Corporation



SC Launch, Inc. Portfolio Company, MedProcure, Becomes Graduate Company

MedProcure, LLC achieved a successful exit in 2021, thereby becoming an SC Launch, Inc. Graduate Company. The SC Launch, Inc. investment yielded returns for SC Launch, Inc. to continue to support additional technology-based startups.

The Easley-based company provides innovative supply chain solutions for healthcare and educational institution providers, their suppliers, and their group purchasing organizations. Their software tools take the tediousness out of supply chain management by providing real-time access to products, price comparisons, distribution options, contracting, rebating, and any other automation needs in managing healthcare supplies.

MedProcure became an SCRA Member Company in 2008 and became an SC Launch, Inc. Portfolio Company the same year by receiving a \$150,000 investment.



SC ACADEMIC INNOVATIONS



Gang Li, Srikanth Pilla, and Mark Johnson are among the Clemson University researchers working to help South Carolina manufacturers upgrade to Industry 4.0. (Image Credit: Clemson University)

Supporting Academic Startups Across South Carolina

SCRA works directly with academic institutions and affiliated startups to advance translational research and commercialization of technologies. In addition to guidance and support surrounding intellectual property and regulatory strategy, SC Academic Innovations provides the following funding opportunities to support early-stage startups:

- Matching funds to support commercially relevant academic research.
- Seed funding to early-stage startups advancing commercialization and supporting intellectual property.
- Grants to federal award recipients to support crucial activities to strengthen their proposals for follow-on funding, in particular SBIR/STTR Phase II Awards.

During FY21, a variety of academic startups across the state and across industry verticals received guidance and funding from SC Academic Innovations.

COMPANY	UNIVERSITY	INDUSTRY	RESEARCH
		Life Science/ Cancer	Innovative therapeutic to prevent the adverse effects of radiation therapy
		Material Science/ Environment	Nanotechnology for remediation of oil and other pollutants
		IT/ Sustainability	Mobile app to drive and sustain community impact
ConusCoat, LLC		Life Science/ Environment	Biologic solution to prevent biofouling on maritime vessels

SCRA Brings Colleges, Universities, and Industry Together to Advance Innovation

SCRA-Academia Collaboration Team (SACT) Grants support multi-institutional collaborative research teams who advance commercially relevant research addressing key industry challenges and foster the state's innovation economy.

SCRA announced the funding of over \$3.3 million to selected colleges and universities for translational research projects to address key challenges facing the state's industrial base. SCRA's funding is being matched by the academic institutions and industry partners, bringing the total amount of the projects to over \$6.7 million.

The projects are being funded through the SACT program. The goal of the SACT is to connect industry with multi-institutional academic teams and build bridges among the institutions to foster engagement and advance technologies, many of which will enter the marketplace and lead to the creation of South Carolina-based jobs.

- \$1.8 million was awarded to Clemson University to modernize South Carolina's manufacturing assets to enable Industry 4.0 (the ongoing automation of traditional manufacturing and industrial practices, using modern smart technology). Clemson is partnering with the University of South Carolina, the Medical University of South Carolina, South Carolina State University, Greenville Technical College, and Trident Technical College.
- \$1.2 million was awarded to the University of South Carolina to enable factory-to-factory networking for the future of manufacturing operations. The University is partnering with Clemson University, Greenville Technical College, and Midlands Technical College.
- \$305,000 was awarded to Francis Marion University to improve workforce readiness and capabilities in South Carolina. The University is partnering with The Citadel.

Since 2018, SACT grants have funded 17 collaborations among South Carolina-based academic institutions and 41 industry partners. These projects have produced an 8:1 multiple in additional funding from other sources such as industry and the federal government.

“ In a few years, you could see the entire manufacturing system in the state being connected and having smart technologies in their systems. This will help increase energy efficiency and decarbonization, while introducing more smart technologies to manufacturing. All of these are interrelated, and we see the state becoming a leader in this effort. ”

Professor Srikanth Pilla, Clemson University

SC ACADEMIC INNOVATIONS BY THE NUMBERS

\$22.2M

SCRA has provided \$22.2M in funding to support academic research, startups, and infrastructure (FY14-21).

\$140.6M

Total amount of follow-on funding for SCAI grant awardees by SCRA

\$6.7M

Total amount of funding, including industry match, over three years (FY21-24) for SACT Collaborative Research Grants

MEDICAL DEVICE ALLIANCE

South Carolina Medical Device Alliance Accelerates Commercialization of Early-Stage Innovations

The South Carolina Medical Device Alliance (MDA) was formed to accelerate the commercialization of innovative medical devices and overcome obstacles so they can reach patients sooner. The MDA does not award grants to applicants, rather it operates as an accelerator program, engaging industry experts and multidisciplinary student teams to de-risk and develop early-stage medical devices. The MDA is supported by a U.S. Economic Development Administration (EDA) i6 Regional Challenge Grant, SCRA, and our partner institutions, Clemson University and the Medical University of South Carolina (MUSC).

The objectives of the MDA are to:

- Facilitate and accelerate the translation of medical device technologies.
- Build entrepreneurial capabilities.
- Foster South Carolina-based startup formation in the sector.

Nascent technologies selected to advance through the MDA benefit from:

- Technology development services free of charge with no claims of ownership of existing or new intellectual property.
- An early-stage Project Profile, which includes patent, regulatory, and reimbursement assessments, and a market and competitive analysis.
- Guidance from the Medical Device Commercialization Advisory Panel (MDCAP), which is a team of seasoned medical device industry experts who help identify the critical path to market.
- One academic year of a multi-disciplinary student team, under the direction of the commercialization advisor and with assistance from professional service providers, to address and execute the next steps in technical development and build the business case for the technology.

FUNDING OPPORTUNITIES: STARTUPS



Academic Startup Grant Up to \$25K

Who: Startups advancing intellectual property from a post-secondary academic institution

When: On a rolling basis

Why: To support critical milestones towards commercialization and advance the company's pursuit of follow-on funding



Federal Matching Grant Up to \$50K

Who: Recipients of federal grants seeking follow-on funding

When: On a rolling basis

Why: To support recipients of federal grants in addressing gaps to obtain follow-on funding, in particular SBIR/ STTR Phase II awards

To date, over 30 students across the state from multi-disciplinary backgrounds, such as business, law, and bioengineering, have worked under the guidance of the MDA's commercialization advisor to evaluate and advance over a dozen medical device innovations.



One such technology is VaGo, an abdominal vagal massage wrap to treat neurogenic bowel dysfunction. The inventor, an MUSC medical student graduating in 2022 who is paraplegic, proposed a device to emulate specialized physical therapy to be administered at home. There are over 400,000 paraplegic and quadriplegic patients in the U.S. who suffer from chronic constipation as a result of a condition called neurogenic bowel dysfunction.



Image Credit: Freepik.com



The MDA, in collaboration with Clemson's masters biomedical engineering program, designed and developed a prototype device that will soon be in clinical testing. Neuromodulation technology, which delivers stimulation to specific neural circuits, is a core feature of the device and is a rapidly growing field in medicine. With clinically oriented market research, the MDA also uncovered larger addressable market opportunities encompassing up to 10% of the U.S. population. Currently, MDA student teams and outside experts are finalizing a bench test prototype, developing a regulatory strategy, and planning for pilot clinical trials.

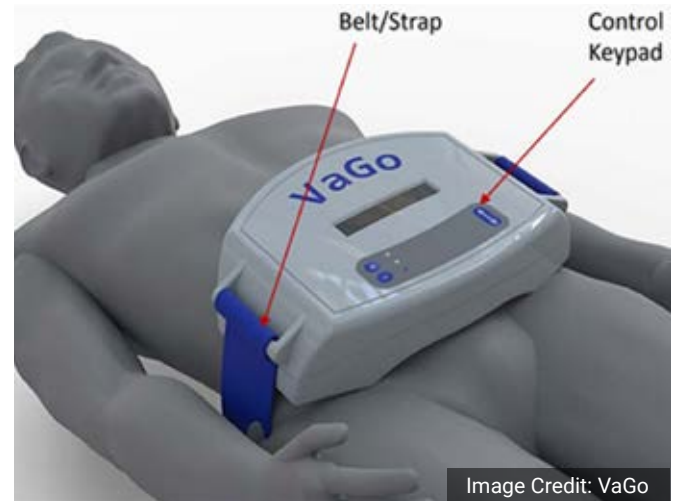


Image Credit: VaGo

FUNDING OPPORTUNITIES: TRANSLATIONAL RESEARCH



Academic Matching Grant
Up to \$15K

Who: Institutions of higher education

When: Next FY22 solicitation closes May 30, 2022

Why: To support translational research sponsored by S.C. academic institutions



SCRA-Academic Collaboration Team (SACT) Grant
Up to \$1.8M over three years

RFA to be released in 2023

SC FACILITIES



SCRA Applied Technologies Center in Summerville

Providing State-of-the-art Facilities to Advance Innovation in S.C.

SC Facilities (SCF) continued its mission to provide high-quality space to South Carolina's startups and academia, while also responding to the pandemic. The SCF team manages SCRA's innovation centers located throughout the state. The centers are home to an array of tenants working in SCRA's areas of focus, advanced manufacturing and materials, information technology, and life sciences. Exciting innovation is happening in these state-of-the-

art facilities that include wet labs, research areas, and collaborative spaces. Tenants are working on projects that include COVID-19 testing and support operations, digital transformation, advanced materials, artificial intelligence, and robotic manufacturing.

The SCF program is advancing our innovation economy, as well as growing and attracting life sciences and technology-based companies to S.C.



Innovation Centers Advance with Green Initiatives

Already advanced in all they have to offer tech startups and academic teams, the SCF team continued upgrading facilities. The installation of solar off-grid lighting and security cameras began in 2020 at the Carolina Research Park and continues to be implemented with an anticipated completion in 2022. Solar lighting provides environmental and economic benefits. Some of the economic benefits include the elimination of underground wiring and installation of distribution and control panels. Solar lighting also eliminates the cost of digging trenches, which includes equipment and crew costs.

The new security lighting uses solar and wind to activate and energize streetlights and security cameras required to properly light and monitor the property. This is an important safety measure for SCRA tenants. Solar lighting also removes the dependency on local electric utilities, which produces a self-sustaining system, reducing over 186 metric tons of carbon emissions over 20 years.

Another 'green' initiative is the installation of electric charging stations for SCRA tenants. The Applied Technologies Center in Summerville has had the stations since 2014 and the SC Facilities team will be installing stations at the Columbia innovation center, in partnership with Dominion Energy.

Because these charging stations are on a cloud service, they can easily be found using an EVCS (electric vehicle charging station) locator app. Users can receive notification when their vehicle has completed charging via any EVCS app.

SC FACILITIES BY THE NUMBERS

+1.35M+ SQUARE FEET

Total research, collaborative lab space, and office areas owned and/or managed by SCRA

37

Number of companies located in SCRA facilities

6

Number of SC Facilities

FACILITIES

SUCCESS STORY



Image credit: Living Carbon

Living Carbon Expands to S.C. and Becomes an SCRA Tenant

Through our state-of-the-art innovation centers, the SC Facilities team fosters an attractive environment for doing business. This helps to make relocating and expanding in South Carolina an appealing choice, and Living Carbon took advantage of all this state has to offer. Also read about Relocation Grants in the SC Industry Solutions section of this report.

Based in San Francisco, Living Carbon found the draw to Charleston to be obvious. They are a climate change public benefit corporation with a mission of enhancing CO2 capture and storage in trees with biotechnology tools. They are in a pre-launch stage and their products are being designed to be profitable to growers and landowners, as well as benefit the planet. In their view, the combination of environmental and financial benefits is the only way large-scale CO2 drawdowns will remain viable in the future.

Living Carbon already has other timber species in its portfolio and is adding pine with this expansion in the state. Timber is the most valuable crop in S.C., and Charleston is rapidly becoming a leader in the southern pine industry thanks in part to access to the port. Southern pines are also consistently some of the most planted trees in America. Based on these benefits, Living Carbon found Charleston to be an obvious place to add a satellite location to their growing operations.



Living Carbon

The SCF team provides spaces that are unique and not otherwise available in the state. Living Carbon's leadership said, "The MUSC Innovation Center is perfect for us. We needed lab space and a little room to expand, technical facilities, and office space, and it's all right here. The downtown location is also perfect for our young and energetic startup," they added. "The experience in the center has been fantastic. All the facilities are great, and our fellow tenants are just as excited about science as we are. Everyone is hungry to grow and the environment breeds success. We are hitting our targets ahead of schedule, and I think the innovation center deserves some credit for our success!"

Living Carbon is now involved in large-scale plantings for carbon projects, which are well underway. They expect South Carolinians to begin to see the value of their work in the next several years. Thanks to an R&D platform they've developed, they can easily add many new timber species and applications to their climate change-fighting endeavors.

SCRA INNOVATION CENTERS



APPLIED TECHNOLOGIES CENTER

SUMMERVILLE, S.C.

SCRA Applied Technologies Center in Summerville is a 10-acre facility at the junction of Exit 199 off I-26 and Highway 17-A. The property houses SCRA and Advanced Technologies International Inc. employees, and others.



UofSC/COLUMBIA INNOVATION CENTER

COLUMBIA, S.C.

This center is designed to accommodate business offices and clean, next-generation manufacturing research operations. UofSC's McNair Center for Aerospace Innovation and Research is one of the tenants co-located with SCRA operations in this facility.



CAROLINA RESEARCH PARK

COLUMBIA, S.C.

Carolina Research Park is home to many technology-based companies including: S.C. Small Business Association, BP Barber & Associates, South University, IKON, MISYS Health Care Systems, Ventyx, Holpack, Colite Industries, SC Thrive, DPX, and others.



DUKE ENERGY INNOVATION CENTER

ANDERSON, S.C.

This center is a LEED Gold-certified "green" facility developed in partnership with Clemson and Duke Energy. Tenants include Clemson researchers as well as academic startups.



MUSC INNOVATION CENTER

CHARLESTON, S.C.

This Innovation Center has Biosafety Level II Laboratories to support medical and bioscience research and commercialization as well as business office space.



22 WESTEDGE

CHARLESTON, S.C.

SCRA leases and manages 20,000 square feet of space in this Class A office building, which is occupied by Vikor Scientific, with wet labs and offices for molecular diagnostics.



SC INDUSTRY SOLUTIONS

Solving Industry Challenges and Accelerating Growth

The SC Industry Solutions (SCIS) team continued to engage industry leaders to understand their technical needs, scout technology solutions, and facilitate growth opportunities for SCRA-supported tech startups and academic R&D. SCIS also partnered with economic development teams to relocate technology-based companies to South Carolina, a huge win for our state!

In the race to innovate, making the right technology decisions and connections are crucial. SCIS developed an effective model for technology transfer to industry. By scouting the entrepreneurial and academic communities, they identify technology solutions that meet corporate needs, facilitate industry matchmaking, and support scalable pilot projects. To lower the development risk and cost of these pilots, SCIS offers matching grant funding. This approach delivers a valuable solution to a corporate partner and a significant growth opportunity for a small business or academic institution, often an SCRA Member Company or SCRA academic partner. Through technology transfer, SCIS supports industry success by facilitating access to emerging

technologies, academic discoveries, and entrepreneurial products and services.

To expand the innovation economy and to address unmet corporate needs, the SCIS team assists companies to relocate to S.C. According to research conducted by the South Carolina Department of Commerce, S.C. consistently ranks in the top five states for doing business in the country, largely due to the state's low business costs, business friendliness, corporate tax environment, overall labor climate, workforce development, fast-track permitting, and access to rail and highways.

The SCIS team offers two types of grant funding: Demonstration Grants provide financial support to small businesses or academic institutions for pilot projects that develop a scalable technical solution to an industry need and represent a significant growth opportunity. Relocation Grants provide funding to technology-based companies relocating to S.C. to offset costs including, moving equipment and up-fitting facilities.



Image Credit: Bright Ma Farms

SCRA Member Company, BrightMa Farms, Selected to Lead AgriTech Program



BrightMa Farms became an SCRA Member Company in 2021 and received a \$50,000 Demonstration Grant to partner with South Carolina State University to develop hemp genetics and farming techniques that optimize industrial hemp production in S.C.'s soils and climate. Bright Ma is also partnering with Clemson University on a \$10M USDA grant application and with S.C. corporations to incorporate hemp fiber into raw materials for the automotive industry.

BrightMa Farms has a collaboration agreement with the 19 Land Grant Historically Black Colleges and Universities (HBCUs) and will be working with them for AgTech impact consistent with Propel Center program initiatives. The Propel Center is a global campus headquartered in Atlanta that supports innovative learning and development for HBCUs nationwide. BrightMa Farms will collaborate with the Propel Center to deliver innovative curriculum and solutions for the emerging industrial hemp market.

A minority-owned and veteran-managed company, BrightMa Farms has corporate offices in Charleston and a hemp growing campus located in Cordesville.

SC INDUSTRY SOLUTIONS BY THE NUMBERS

\$275K

SC Industry Solutions funding awarded in FY21

\$889K

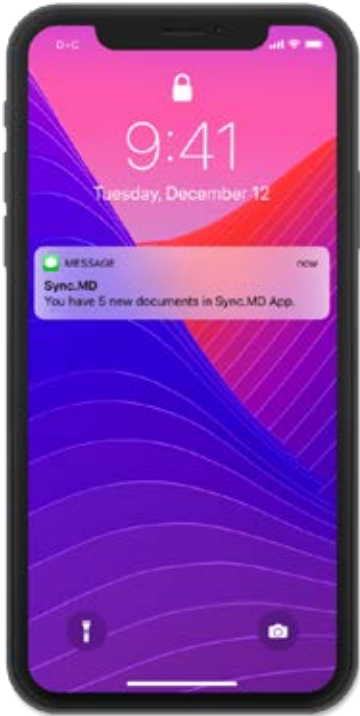
Matching commitments from industry partners in FY21

68

New SC-based jobs forecast in FY21-FY23

INDUSTRY

SUCCESS STORIES



Seattle Company Relocates to Greenville



VYRTY Corporation (dba SyncMD) has relocated from Seattle to Anderson. The SCIS team began working with the startup, which was eventually accepted as an SCRA Member Company and awarded a Relocation Grant to assist with their move. The relocation to Anderson occurred after substantial research and fostering South Carolina connections.

Company leadership cited many factors for the move that included the desire to bring more high-paying jobs to S.C. and the intention to coordinate with S.C. colleges and universities to address technology demands and stay ahead of technology trends.

SyncMD was founded in 2015 with the backing of investors who entrusted millions of dollars into their operations. The company developed the country's first secure mobile personal health record platform that allows patients to share data and personal records with anyone, anywhere, and at any time. Patients can also easily share their medical records, prescriptions, lab results, allergies, provider notes, and imaging with health care providers, which is key to avoiding issues with incomplete medical history and fragmented health care. Using the app reduces duplication of medical services and decreases in-person requests for records. The app also enables immediate access to medical records in emergency and urgent care situations and does not require integration with provider electronic health records.

SyncMD is working with many S.C. organizations, including hospital systems and veterans' organizations, for better health care coordination and patient safety. They anticipate growth and job creation from their new facility in Anderson.

To begin using SyncMD, users can download the app from Google Play or the Apple store and scan in their records with their smartphone's camera. SyncMD satisfies all federal data privacy protections and supports compliance with federal regulations.

FUNDING OPPORTUNITIES



Demonstration Grants
Various Amounts

Who: Early-stage companies and/or institutions of higher education

When: On a rolling basis

Why: To provide funding to small businesses or academic institutions that are developing a scalable technical solution to meet an industry challenge or providing a significant growth opportunity to an industry partner



Relocation Grants
Various Amounts

Who: Companies relocating to S.C.

When: On a rolling basis

Why: To provide funding to companies relocating to South Carolina to reimburse expenses for moving equipment, up-fitting facilities, etc.

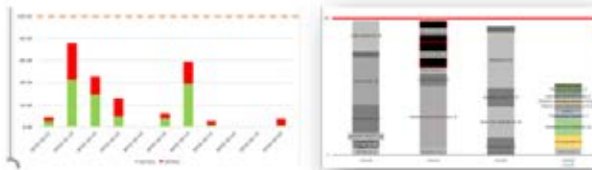
Created Operational Intelligence for Digital Lean Execution



Created data collection, visual dashboard, and takt clock tools



Identified constraints and non value-added activities within the system



Balanced standard work content to enable Flow



Developed reporting to drive structured continuous improvement

SCRA Delivers Successful Industry Matchmaking Project



KION North America

In a successful industry matchmaking project, the SCIS team funded a pilot

project conducted by technology firm, Dynamic Flow Systems (DFS), that helped industry partner KION North America optimize their plant operations.

With an effective model to facilitate technology transfer from smaller tech firms to larger companies, SCIS de-risks pilot projects and deploys solutions that scale across multiple machines, lines, and plants. After understanding the technical needs, SCIS scouts and validates technologies to provide advanced manufacturing solutions for South Carolina industries, and in this case, KION North America's Summerville operation. KION Group is one of the largest global manufacturers of material handling equipment.

Efficiency and manpower utilization is critical for KION's customer-driven, high-mix, low-volume environment. Dynamic resource allocation is necessary to overcome continued supply chain challenges. DFS offers a Lean Execution System that integrates digital lean tools enhancing operational intelligence

that specifically address KION's production environment. The DFS system creates transparency and accountability, and increases the speed of problem-solving. Focused on optimizing the utilization of manpower-based processes, DFS provides predictive analytics to better manage the manufacturing operation.

In KION's Summerville operation, the SCIS team worked with DFS and KION to define the project scope and to decrease the cost of integration with KION's legacy equipment and existing systems. DFS' constraint management module is a dynamic value stream map designed to detect abnormalities, document sources of downtime, and suggest methods to redistribute resources to optimize flow. This functionality will optimize KION's plant flexibility, manpower utilization, and efficiencies by driving out non-value-added activities. It also will enable value stream transformation and be integrated with KION's systems applications and products. This pilot project is being co-funded with an SCRA Demonstration Grant and KION matching funds.

Several examples and pictures of the project's benefits can be seen above.



SC LAUNCH & SC LAUNCH, INC.

GMA presenting Lyric Wise with a \$50,000 scholarship from Tallo. Image Credit: GMA

Supporting Startups through SC Launch

SC Launch (SCL) continued working closely with South Carolina's best and brightest startups in the advanced manufacturing and materials, information technology, and life sciences sectors. In many cases, SCL is the first formal program for which these startups have applied.

SCRA Member Companies in the SCL program have access to coaching, a network of business experts in the Resource Partner Network, CEO Podcasts, SCRA Webinars, and grant funding. Every founder's journey to success is a different one, but the SCL team has assembled best practices in a tried-and-true program that provides trusted partnerships.

In FY21, SC Launch accepted 17 startups into the

program. To be eligible, companies complete a comprehensive application and undergo a review process in order to provide evidence of basic business operations including legal structure, finances, and a business plan/milestones. Once a company demonstrates maturity and expertise, they may be eligible to receive the following types of funding:

Project Development Fund (PDF) Grants support critical milestones towards commercialization and advance a company's pursuit of follow-on funding.

Acceleration Grants accelerate companies to the next level of maturity and market readiness, and better position the companies for an SC Launch, Inc. investment.

Portfolio Company, Tallo, Featured on Good Morning America



SC Launch, Inc. Portfolio Company, Tallo, created a scholarship for students adversely affected by the pandemic and got the *Good Morning America* crew to help them surprise the winner on live TV!

Lyric Wise was one of more than a million bright students using the Tallo app to find non-traditional ways to pay for college. She was a high school senior who beat many odds to become her class salutatorian. She plans to attend Drexel University where she will pursue studies leading to her desire to help people with substance abuse disorders. She won a \$50,000 scholarship from Tallo.

Like LinkedIn but for high school and college-aged students, Tallo links companies and colleges to students to fill internships, apprenticeships, scholarship opportunities, and even jobs. They provide academic and workforce talent solutions by combining science, data analytics, and digital technology.

In addition to the online networking Tallo provides, it offers several learning opportunities that can be integrated into curriculum for secondary education, post-secondary education, business and industry, government and workforce, and other types of organizations that offer education and training opportunities. They developed 'Tallo Assist' to help educators with GenZ communication and engagement. This specialized messaging and outreach helps connect their customers to the right talent.

Tallo became an SCRA member company back in 2014 and has since received over \$800,000 in investments. In 2015, they became an SC Launch, Inc. Portfolio Company when they received a \$250,000 investment. Since the early days, Tallo has grown its staff and more importantly its customer base. They now have over 1.5 million users from 27,000 high schools showcasing their skills and accomplishments. They are connecting these users to more than 4000 colleges and universities and hundreds of companies and governmental entities.

“ We came to SCRA with a vision for leading consumer interaction with businesses that value growth and social responsibility. They understood what we were building and provided the mentoring and funding we needed to grow. ”

Paul Della Maggoria, GoBeep CEO and Founder

SC LAUNCH & SC LAUNCH, INC. BY THE NUMBERS

\$36M

Total amount of SC Launch, Inc.'s investments made to 112 SC Launch, Inc. Portfolio Companies since inception

\$14.4M

Total amount of SC Launch Program Grants awarded to 206 SCRA Member Companies since inception

\$2.2B

Total amount of additional capital raised by SC Launch, Inc. Portfolio Companies since inception

SUCCESS STORIES



Cephus E. Simmons Sr., Ph.D., CEO of SealCath presenting at DIG SOUTH.

SCRA Member Company, SealCath Experiences Banner Year



SealCath, LLC, a Charleston-based SCRA Member Company, received several recognitions in 2021, a year of growth for the startup. They

increased their production and staff to meet the new demands of their growing customer base.

Founded within the Medical University of South Carolina (MUSC), SealCath took first place at DIG SOUTH's Wild Pitch Event, was a featured finalist in Southeast Life Sciences' SE Color Pitch Rounds, and was most recently awarded MUSC's Foundation for Research Development's Innovation Award.

DIG SOUTH's Wild Pitch takes places during the annual event based in Charleston. It features a variety of sessions on topics such as emerging tech, business growth, artificial intelligence, healthtech, ecommerce, and talent recruitment. SealCath won the grand prize, which included \$10,000 in cloud credits from Oracle for Startups.

SE Color Pitch Rounds is a new division of Southeast Life Sciences designed to support minority life sciences entrepreneurship and improve their access to information and clinical opportunities. SealCath was one of eight companies

selected as a finalist.

Later in the year, SealCath was awarded the 2021 MUSC Foundation for Research Development ADM. Albert J. Baciocco Innovation Award for its 'Cephus Catheter.'

SealCath was founded in 2013 by MUSC radiologist assistant Cephus E. Simmons Sr., Ph.D. after he realized that catheters on the market were not optimal, especially for use in pediatrics. Simmons noticed air leakages around the Foley catheter's balloon, making them difficult to use when treating children. Simmons created a double-balloon catheter. It is available for children and adults. The catheter improves radiologists' ability to evaluate post-surgical patients with more precision, allowing for the early detection of complications thus leading to faster patient recovery. Cephus Catheters have been available in the U.S. and was patented in Canada in 2020. Simmons applied for the Canadian patent after doctors at a radiology conference in Canada expressed interest in using his product.

The minority-owned startup became an SCRA Member Company in 2014 when it received a \$15,000 Academic Startup Grant. SealCath also received a \$50,000 Acceleration Grant in 2018 and a \$50,000 Federal Matching Grant in 2018.

GoodUnited Helps Nonprofits Attract Supporters & Break Fundraising Records



The pandemic accelerated many online activities such as Facebook birthday fundraisers. SC Launch, Inc. Portfolio Company, GoodUnited, is the 'engine' behind a lot of the increase.

GoodUnited's mission is to deploy data science plus human judgment to make the nonprofit supporter experience easy and accessible to anyone. The Charleston-based startup contracts with nonprofits to develop, implement, and manage online giving. They've helped nonprofits increase Facebook fundraiser donations, email donations, and retain donors, in an automated way, without them having to add to the staff's workload.

One successful case study was for the American Cancer Society (ACS). ACS was already experiencing growth in birthday fundraisers as more and more supporters celebrated their special day by joining the fight against cancer. ACS made the bold decision to pursue an innovative and new peer-to-peer fundraising strategy with GoodUnited during the height of the pandemic. The success revealed the depth and breadth of people's passion for their mission. Millions joined or donated within Facebook groups and challenges, and in this shared pursuit to conquer cancer, ACS broke a one-day Facebook fundraising record.

Since their beginning in 2015, GoodUnited has helped its clients raise over \$600,000,000 on social platforms. From 2020 to 2021, they tripled their staff



and increased fundraising for their customers by ten times. In addition to ACS, GoodUnited works with several other well-known nonprofits including the American Heart Association, Wounded Warrior Project, and Special Olympics.

GoodUnited became an SCRA Member Company in 2019 and successfully matured through the program to become an SC Launch, Inc. Portfolio Company when they received an investment in 2020.

FUNDING OPPORTUNITIES



Acceleration Grants
Up to \$50K

Who: Established, early-stage companies

When: On a rolling basis

Why: To accelerate a company to the next level of maturity and market readiness and better position the company for an SC Launch, Inc. investment



Project Development Fund Grants
Up to \$25K

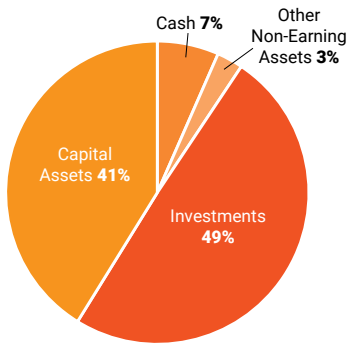
Who: Early-stage companies

When: On a rolling basis

Why: To support critical milestones towards commercialization and advance a company's pursuit of follow-on funding

SCRA FINANCIALS

As a public nonprofit corporation, SCRA provides financial reporting consistent with regulatory requirements. The following is a summary of SCRA's financial position at the end of Fiscal Years (FYs) 2021 and 2020, and a comparison of revenue generated in FY2021 and FY2020.

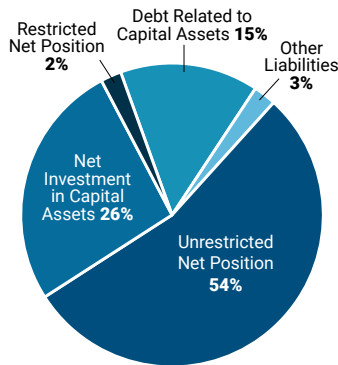


SCRA Asset Mix as of 6/30/2021

ASSETS

	6/30/2021	6/30/2020
Cash	\$5,535	\$249
Other Non-Earning Assets	2,343	1,529
Investments	41,680	45,036
Capital Assets	34,693	35,404
Total Assets	\$84,251	\$82,218

(in thousands)

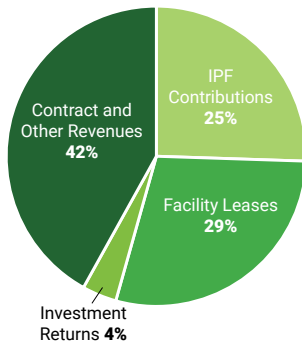


SCRA Resource Mix as of 6/30/2021

RESOURCES

	6/30/2021	6/30/2020
Debt Related to Capital Assets	\$ 12,499	\$13,370
Other Liabilities	2,039	1,437
Unrestricted Net Position	45,660	45,029
Net Investment in Capital Assets	22,194	22,034
Restricted Net Position	1,859	348
Total Resources	\$84,251	\$82,218

(in thousands)



FY2021 Revenue Source Mix

REVENUE SOURCES

	FY2021	FY2020
IPF Contributions	\$4,811	\$2,934
Facility Leases	5,437	4,024
Investment Returns	700	1,055
Contract and Other Revenues	7,904	4,637
Total Revenues	\$18,852	\$12,650

(in thousands)

- Capital assets generate revenue through leases.
- In FY2021, the unrestricted net position of SCRA represented 54% of total resources, while debt related to capital assets declined 7% from FY2020.
- SCRA fulfills its mission of fueling the innovation economy of South Carolina by prudently deploying the resources made available through contributions to the Industry Partnership Fund (IPF), revenue from facility leases, returns generated from investments, contracts and other revenues.
- In FY2021, contributions to the IPF increased 64% and lease income was 35% higher than FY2020. Contract and other revenue grew 70% over FY2020 because of an increase related to the sale of Advanced Technology International Inc.

INDUSTRY PARTNERSHIP FUND CONTRIBUTORS

SCRA thanks the organizations below for contributing to the IPF at the following levels:

Diamond - \$200,000+

- Comporium Inc.
- Southeastern Freight Lines Inc.
- Home Telephone ILEC LLC
- Dominion Energy Southeast Services
- Great Southern Homes Inc.
- Charleston ENT Associates
- ASAP Expediting & Logistics LLC

Platinum - \$150,000-\$199,999

- Ameris Bank
- United Community Banks Inc.
- Carolinas Dermatology Group PA
- McCullough Khan LLC
- Trident Construction LLC

Gold - \$100,000 to \$149,999

- BlueCross BlueShield of South Carolina
- Carolina Dermatology & Plastic Surgery
- Oonaco LLC
- Accounting Systems, Inc.

Silver - \$50,000 to \$99,999

- Retina Consultants of Carolina PA
- First Tuesday Strategies LLC
- Streetman, Jones and Powers LLC
- Canal Insurance Company
- GEOGRAPH Technologies LLC
- Low Country Physician Consultants
- Infocus Healthcare Consultants LLC
- Contec

Bronze - \$10,000-\$49,999

- Charleston Thyroid Center LLC
- JE Burns Holding Inc.
- Charleston Periodontics PA
- EMABS LLC
- Hillcrest Cosmetics & Family Dentistry
- Affordable Dentistry
- Restorative Arts Dental
- Carolina Retina Center. PA
- Charleston Oral and Maxillofacial Surgery Associates LLC
- Easley Periodontics PA
- Coulter Orthodontics
- Endodontic Associates of Charleston
- Green Orthodontics PA
- Restorative Arts Dental
- Reynolds Family Dentistry PA
- Carolina Smile Studio Family Dentistry
- Vikor Scientific
- Kids Teeth LLC
- NBW, LLC
- JRK Holdings LLC
- Fuel Express South Inc.
- Mark Waninger Dentistry LLC
- Mappus Insurance Agency Inc.
- All Seasons Landscape and Maintenance LLC
- Coastal Dental Group LLC
- Fuel Express South Inc.
- Pain Specialists of Charleston PA
- Christopher L. Andrews, DMD PA
- Cornerstone Childrens Dentistry PA
- Brickyard Dental Group LLC
- Lauren F. Callison, DMD LLC
- Gentile Dentistry of Lexington LLC
- Bonnie J. Rothwell, DMD
- Barb & Company PA
- Martschink Enterprises LLC
- Phronesis Global Training Solutions
- Tom Martin & Son LLC
- Christopher J. Caputo, D.M.D. PA
- Dutch Fork Family Dentistry PA
- Edward T. Murphy DMD PA
- Ned S Jennings DMD
- Swenson and Associates
- Hood Construction Company Inc.
- Lake Murray Pediatric Dentistry PA
- Lanning Group LLC
- Mavin Construction
- Ron Banic DMD PC
- Southeast Endodontics, PC
- Periodontal Associates LLC
- Southern Roots Periodontics Implant & Laser Dentistry LLC

Diamond, Platinum, Gold, and Silver Contributors



LEADERSHIP

SCRA Board of Trustees

Executive Committee

The SCRA board of trustees' executive committee is comprised of the presidents of Clemson University, the Medical University of South Carolina, and the University of South Carolina; the South Carolina governor or designee (to serve as Chairman); an additional appointee of the governor; the chairman of the South Carolina House Ways and Means Committee or designee; the chairman of the South Carolina Senate Finance Committee or designee; and two additional members.



Mr. Don Herriott
SCRA Board Chairman
Entrepreneur and Business Owner



Hon. Jason T. Elliott
Representative, South Carolina
House of Representatives;
Attorney, Jason Elliott Attorney at Law LLC



Dr. L. Fred Carter
President
Francis Marion University



Ms. Lou Kennedy
President, CEO and Owner
Nephron Pharmaceuticals Corporation



Dr. James P. Clements
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Clemson University



Dr. Harris Pastides
Interim President
University of South Carolina



Dr. David J. Cole
President
Medical University of South Carolina



Hon. Nikki G. Setzler
Senator, South Carolina Senate;
Attorney, Setzler & Scott PA



Dr. Linda M. Distlerath
Principal
Bamberg Advisors LLC

“ Having trusted partners like the SCRA and SC Launch, Inc. teams is also a big part of our continued success. They believed in what we were trying to do from the first time we shared our vision. ”

Zachary Eikenberry, Hook Security CEO

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Chairman, South Carolina Board of Technical and Comprehensive Education;
Attorney, Askins, Chandler & Askins, LLP

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Comporium Communications

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BlueCross BlueShield of South Carolina

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Attorney, Wyche PA; Author

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Chairman, South Carolina Commission on Higher Education;
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MRB Group

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Executive Vice President, Savannah River Nuclear Solutions

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Greenwood Regional Rehabilitation Hospital

Ms. Stella Mercado

President and CEO
Mercom Corporation

Dr. Maurice Scherrens

Chair, Council of College Presidents;
President, Newberry College

Ms. Sue-Ann (Susie) G. Shannon

President and CEO
South Carolina Council on Competitiveness

Mr. David M. Smalls

Legislative Director
Colleton County Legislative Delegation

“ We are already seeing the positive impact of being an SACT grantee. Additional employers have reached out to us about our workforce training and development project - a clear example of applied research and develop benefitting industry here in South Carolina. ”

Rahul Renu, PhD, Francis Marion University

SC Launch, Inc. Board of Directors

The SC Launch, Inc. is an independent, nonprofit corporation affiliated with SCRA. The board of directors approves loans and investments made to selected companies in the SC Launch program. The board, consisting of nine members, represents South Carolina's academic institutions and industry. They also have experience working with startup companies.



Mr. Peter G. Dunphy
SC Launch, Inc. Board Chairman
CFO, Global Services & Solutions,
Michelin Americas



Ms. Patti Leahy
Consultant/Advisor



Ms. Andrea Marshall, JD
SC Launch, Inc. Board Vice Chair
Vice President, General Counsel, and
Administrative Officer for MedTrust Holdings Inc.



Dr. W. Patrick Springhart, MD
Chief Value Officer
Prisma Health System



Mr. Timothy Davis
CEO
Advanced Care Management LLC



Mr. T. Stephen Thompson
Former CEO, Director and Founder
Genus Oncology LLC



Mr. Clifford Holekamp
Managing Director & General Partner
Cultivation Capital



Mr. Stephen K. Wiggins
Executive Vice President and CIO,
BCBSSC (retired); Chairman
Board of Directors, IT-oLogy



Dr. Juliana (Julie) Iarossi
Clinical Assistant Professor, UofSC
Moore School of Business;
CEO, Coalesce Capital LLC

“ SCRA’s MUSC Innovation Center is perfect for us. We needed lab space and a little room to expand, technical facilities, and office space, and it’s all right here. The downtown location is also perfect for our young and energetic startup. ”

Jacob Hoyle, Living Carbon Lead Scientist

SCRA Staff Leadership

SCRA is led by diverse leadership who each bring their own expertise to the table to accomplish SCRA's mission, fueling South Carolina's innovation economy.



Mr. Bob Quinn
Executive Director



Ms. Adrian Grimes
Director, Marketing and Communications



Mr. Matt Bell
Director, SC Launch



Ms. Yolanda Lewis
Director, Human Resources



Mr. Randy Cutts
Director, SC Facilities



Dr. Sohail Malik
Director, SC Academic Innovations



Dr. Jim Doolittle
Director, South Carolina Established Program
to Stimulate Competitive Research
(SC EPSCoR)



Mr. John Sircy, CPA CMA CFM CSCA
Director, Finance and Administration



Mr. Cole Dudley
Director, SC Industry Solutions

“ Having valued strategic partners is very important when growing and expanding territories for your business. BrightMa Farms has found one in SCRA. The thought leadership and support from SCRA has helped us grow our AgTech sector where we will champion a change in narrative and bring sustainable impact to SC and beyond. ”

Harold Singletary, BrightMa Farms CEO

SCRA Business and Science Advisory Boards

SCRA formed three Business and Science Advisory Boards (BSABs). The purpose of the BSABs is to advise SCRA's Board of Trustees when requested by it. The boards include representatives from South Carolina research universities, the venture capital/angel investment community, South Carolina Department of Commerce, and industry leaders in Biomedical Sciences, Cybersecurity, and Industry 4.0

Each board provides key business and technical expertise, acts as an independent/unbiased sounding board for input on SCRA's program implementation and performance, and provides guidance to SCRA regarding funding opportunities.

Biomedical Sciences

Ms. Kathryn Cole Becker, Chair

Founder, Principal, Translation Science Solutions LLC

Ms. Darralyn Alexander

President, Reimbursement Strategies

Dr. Ibraheem Badejo, Sr.

Director, New Ventures, J&J Innovation Center

Mr. Larry Boyd

VP, Product Development, Bioventus

Mr. Bob Brosnahan

Vice President, Research & Development, DePuy Synthes Spine

Dr. Jeff Cain

Director, AVX Corporation

Dr. Joseph Carson

Chief Technology Officer, Pensievision

Mr. Bob Creeden

Managing Director, UVA LVG Seed Fund & New Ventures

Dr. Phillip Davis

Vice President, Regulatory Strategy (U.S.) Blue Earth Diagnostics

Ms. Becky DeLegge

Founder, Principal/Chair, Delegge Medical

Mr. Rich diMonda

Commercialization Advisor, S.C. Medical Device Alliance

Ms. Erica Jackson

Attorney

Mr. Bill Killough

Registered Patent Attorney, Hellman & Yates PA

Mr. Sam Konduros

President, SK Strategies LLC

Dr. Martine LaBerge

Professor and Chair of Bioengineering & Executive Director, Biomedical Engineering Innovation Campus (CUBEInC), Clemson University

Dr. Prakash Nagarkatti

Senior Research Advisor to the UofSC President and Senior Research Officer, UofSC

Mr. Ron Owens

Senior VP & Chief Investment Officer, Evening Post Industries

Mr. John Propst

Program Lead, Verily (Google Life Sciences)

Ms. Amy Salzhauer

Founder & Managing Partner, Good Growth Capital

Ms. Patricia Scheller

CEO/Executive Chair, Universal Men's Clinic/Revere Life Sciences

Dr. Lee Sierad

Founder and Chief Executive Officer, Aptus Bioreactors

Dr. Mike Yost

Professor of Surgery and Vice Chairman of Surgery for Research, MUSC

Cybersecurity

Mr. Brad Alexander

Vice President & Chief Technology Officer, Immedion

Mr. Wiley Becker

Partner, Alerion Ventures

Mr. Chad Britt

Control Systems Manager, DSM Kingstree

Mr. Jon-Michial Carter

CEO & Founder, ChartSpan Medical Technologies

Ms. Klm Christ

Director of S.C. Tech and S.C. Cyber, S.C. Council on Competitiveness

Mr. Chad Hardaway

Associate Director, Office of Economic Engagement, UofSC

Mr. Ralph Heredia

Vice President, Business Development, Zipit Wireless

Mr. Robby Hill

Founder & CEO, Hill South IT Solutions

Mr. Charles Johnson

President of Cybersecurity, Corsica Technologies

Mr. John LaCour

Founder & CTO, PhishLabs

Ms. Laura McIntosh

Managing Director, Office of Innovation, S.C. Department of Commerce

Mr. Zack Moody

Head of Global Information Security, AVX Corporation

Dr. Daniel Noneaker

Associate Dean of Research, Clemson University

Mr. David Setzer

CEO, Mailprotector

Industry 4.0

Mr. Bill Killough, Chair

Registered Patent Attorney, Hellman & Yates PA

Mr. Wiley Becker

Partner, Alerion Ventures

Mr. Chad Britt

Control Systems Manager, DSM Nutritional Products

Mr. Alex Chalmers

Founder, Material Capital Partners

Mr. John Dampier

Chief Financial Officer, Southeastern Freight Lines

Ms. Suzanne Dickerson

Director of SC Faunhofer U.S.A. Alliance, S.C. Council on Competitiveness

Ms. Cindy Dodd

Global Purchasing Manager, AVX Corporation

Mr. Jamie Fox

Key Account Manager, Lean Manufacturing, Process Optimization and Industry 4.0, Bosch U.S.A.

Dr. Ramy Harik

Associate Professor Mechanical Engineering, UofSC

Ms. Sara Hazzard

President & CEO, S.C. Manufacturers Alliance

Dr. Mark Alan Johnson

Thomas F. Hash Endowed Chair in Sustainable Development and Director of the Center for Advanced Manufacturing, Clemson University

Dr. Matthew Klein

Managing Partner, Redrock Capital

Mr. Nick Metrakos

Solutions Consultants, ETQ

Mr. Kevin Nadeau

Founder and CEO, True Load Time Inc.

Mr. Dan Rundle

Chief Executive Officer, Worthwhile

In Memoriam

Mr. Chuck Spangler

President, South Carolina Manufacturing Extension Partnership (SCMEP)

