

NEXT ENGINEERS

Building a world that works

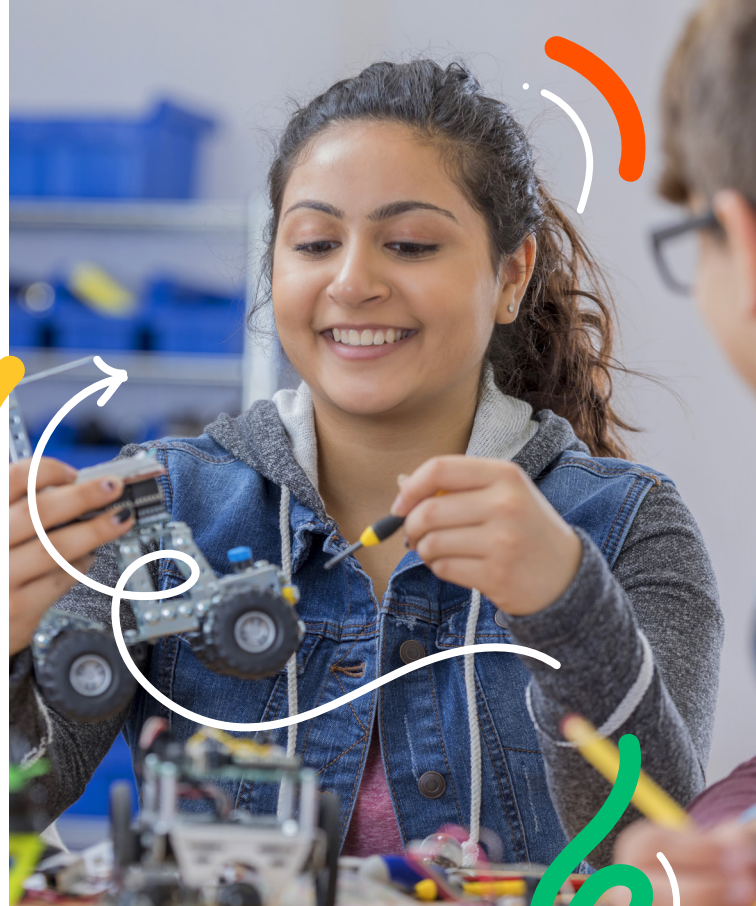
Engineers build worlds. All kinds of worlds.

Engineers build jet engines that ensure safe and sustainable travel, create wind turbines that generate cleaner energy, and much more.

And engineers from different backgrounds can bring new perspectives, experiences, insights, solutions, and greater innovation to today's challenges. And tomorrow's.

This work begins in Greenville, South Carolina.

GE Vernova has been a part of the Greenville community for over 50 years, creating opportunities for all. *Next Engineers* brings new, inspiring programs to engage young people ages 13-18 to spark their interest in becoming engineers and ensuring Greenville is at the forefront of technology for decades to come.



Let's build the world we want, together. Learn more at **www.NextEngineers.org**.

IMPACT IN GREENVILLE

\$5M
community investment

3,500
students reached

36,000 Engineering and College Readiness Educational Hours

Thousands of GE Vernova volunteer hours

Building the Future

Youth tinker, explore, and imagine. By introducing them to engineering concepts and career opportunities, *Next Engineers* will unlock their potential as the next generation of problem solvers.

Around the world, *Next Engineers* seeks to engage 43,000 youth by the end of 2030, which will:

- ✓ **Address Global Challenges.** Engineers are creating blueprints for a world that works, and engineers from diverse backgrounds can bring varied perspectives to help address the world's most pressing challenges – from clean energy to the future of flight.
- ✓ **Light Pathways.** Anyone who wants to be an engineer and shows aptitude for engineering should be able to become an engineer. *Next Engineers* provides opportunities and support for all participants.
- ✓ **Change the Narrative About Engineering.** Many youth have preconceived notions about engineers. By introducing students to engineering role models from diverse backgrounds, *Next Engineers* helps students realize that anyone can pursue a career in engineering.



GE Aerospace
Foundation

Engaging the Next Generation

Through three core programs, *Next Engineers* guides students along the path to engineering careers.

Students' participation will be supported and monitored by professionals, using a balance of technology-enabled and hands-on learning resources.

Students completing the Engineering Academy and who are accepted to a post-secondary education engineering degree program **will be awarded a scholarship.**



NEXT ENGINEERS PROGRAMS

Engineering Discovery (Ages 13-14)

Youth build awareness about what engineers do through a variety of short, exploratory sessions. Volunteers deliver creative, hands-on activities in the classroom or community to inspire youth and expand their understanding of what engineering is all about.



Engineering Camp (Ages 14-15)

Students are immersed in the engineering process through a week-long camp experience. Students interact with experienced engineering faculty, staff, and business leaders as they complete design challenges inspired by real-world scenarios, building an identity as aspiring engineers.



Engineering Academy (Ages 15-18)

Over three years, future engineers learn to think and act like engineers and prepare to advance to post-secondary education through the Academy. With over 80 hours per year outside of school, the Academy includes a series of immersive design challenges, career coaching, and college-readiness workshops to equip young people with the skills they need to build an engineering identity and career.

- Engineering Design Thinking
- Creativity
- Problem-solving
- Teamwork and Collaboration
- Making and Building
- Communication



Thinking Globally, Working Locally

Greenville is one of four inaugural locations for *Next Engineers*. With full funding from the GE Aerospace Foundation and technical support from FHI 360, Clemson University will coordinate and deliver the program in Greenville.

Clemson University brings to the table nationally recognized, high-impact STEM programming through PEER & WISE, as well as comprehensive college preparation and readiness for all students in the Upstate of South Carolina. GE Vernova will volunteer engineering expertise, career exploration, and structured learning activities. Together, we are investing in South Carolina's youth.

Join the GE Aerospace Foundation in our mission to inspire the next generation of engineers: youth from around the world who will be the innovators, problem-solvers, and leaders of tomorrow.

Learn more about *Next Engineers* at www.NextEngineers.org or NextEngineersGVL@clemson.edu.