



**4HTECHGARAGE.COM**

# SPONSORSHIP PACKET





## WHO WE ARE



Palm Beach County 4-H Association TechGarage (TechGarage) consists of a group of highly motivated and very talented students who have spent the last several years building electric Formula E go-karts and a highly ambitious Solar Cruiser. TechGarage is student-led, mentor-guided, and family-supported. We are now pushing the limits of alternative energy with our Solar Classic Sport (2.0)! We remain focused on our goals and also have aspirations beyond cars. A future goal? Perhaps a solar-powered boat to cross from South Florida to Bimini, Bahamas!

The pinnacle of TechGarage is competing at the Solar Car Challenge at the Texas Motor Speedway. In 2025's race, the TechGarage team won the **National Championship, winning 1st place every day of the race and setting a new track record of 760.5 miles!** With our sights turned toward 2026's race, a Tour of Texas road race, team members are currently designing and modifying our 1st place Classic Solar Car into a lighter, faster, and more nimble road-ready winner!

As a student-led team, we seek to have a lasting impact on our students and all those we interact with. Team members come from various majors spanning Engineering, Science, Arts and Letters, and Business. We collaborate in a truly multidisciplinary environment where students apply their learning to a wide range of projects, including fundraising and marketing, as well as solar array modeling, suspension design, and systems integration.

Students in the 4-H TechGarage team have gone on to places such as MIT, Stanford, and Georgia Tech, and have served as interns at Tesla, Google, Apple, X, Rolls-Royce, Honda Research & Development, Rivian, among others.

We are preparing for the 2026 Solar Car Challenge, a road race that will take place across the state of Texas.

Each vehicle we produce reflects and is made possible by the strength of our relationships with our corporate partners. Through this packet, we invite you to join our team as a sponsor while we strive toward victory in 2026!

Sincerely,  
**Palm Beach County 4-H Association TechGarage**



## OUR MISSION

TechGarage empowers young innovators to design, build, and compete in advanced engineering challenges through hands-on learning, teamwork, and real-world problem solving. We provide a supportive, mentor-driven environment where students gain the technical, professional, and leadership skills needed to excel in STEM fields and make a positive impact in their communities.



## OUR VISION

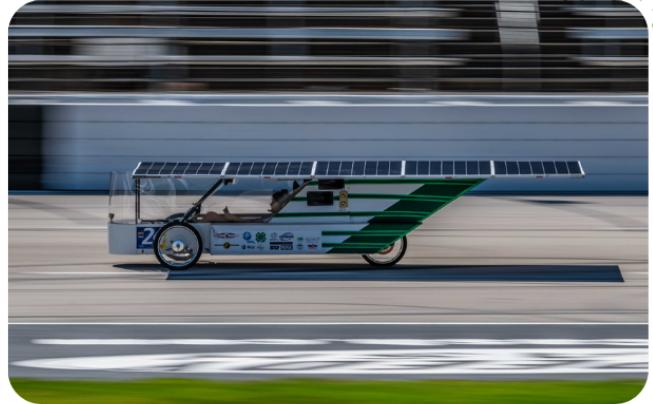
TechGarage envisions a future where every student has the confidence, skills, and curiosity to pursue bold ideas—on the track, in the workshop, and beyond. We strive to be a nationally recognized hub of youth innovation, cultivating the next generation of engineers, creators, and change-makers who drive sustainable technologies, strengthen local industries, and advance the future of STEM.

**“BUILDING SKILLS. FUELING FUTURES.”**





## OUR TRACK RECORD



### 2025 National Champions - Classic Division

1st Place Daily Trophy each day of the race - Track Record of 760.5 miles



### 2024 2nd Place Overall - Cruiser Division

1st Place Daily Trophy on Day 1

Lockheed Martin Award for the Highest Level of Engineering Excellence

Brenda Carter Award for Outstanding Team Video and Engineering Documentation





## OUR LEADERSHIP

### Allan Phipps

Allan Phipps is an award-winning STEM educator and the leader of the TechGarage Solar Car Team. A former Albert Einstein Distinguished Educator Fellow at the National Science Foundation, Allan has spent more than two decades empowering students through hands-on, project-based engineering. He has mentored teams to multiple national championships in the Solar Car Challenge, as well as world and national titles in underwater robotics, drone engineering, and SECME competitions.



Allan's work has been nationally recognized with the Presidential Award for Excellence in Math & Science Teaching, SeaWorld National Environmental Educator of the Year, Broward County Teacher of the Year, and Florida Teacher of the Year Runner-Up. He previously served as Director of The Cane Institute for Advanced Technologies and K-12 STEM Coordinator for the Florida Atlantic University Laboratory Schools, where he led innovative programs that shaped one of the top STEM pipelines in the state.

### Peter M. Turso

Peter M. Turso brings more than 30 years of entrepreneurial and technical leadership to the TechGarage Solar Car Team. A lifelong problem-solver and business owner, Peter has led companies in manufacturing, e-commerce, and property management, shaping his practical, resource-driven approach to STEM education. He played a key role in transitioning the Solar Car program from FAU Lab Schools to an independent 4-H club, building a sustainable model that expanded access to advanced engineering opportunities across Broward and Palm Beach Counties.



With a B.S. and MBA in Marketing and Consumer Behavior, Peter guides students through strategic planning, fabrication, and competition preparation, emphasizing critical thinking, accountability, and innovation. His mentorship helps students tackle real engineering challenges while building the skills needed for future success in both technical fields and entrepreneurship.

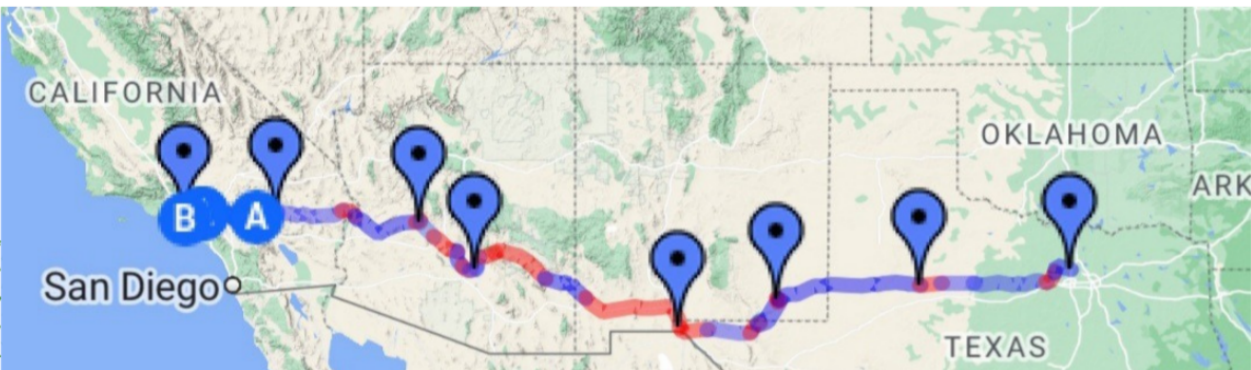


# THE SOLAR CAR CHALLENGE



The Solar Car Challenge two-year education cycle has students alternate between a closed-track event at the world-famous Texas Motor Speedway and a cross-country race designed to give students an opportunity to display and drive their solar cars.

Having won the 2025 closed-track competition at Texas Motor Speedway, we turn our sights toward the 2026's race, a Tour of Texas road race in July. Team members are currently designing and modifying our 1st place Classic Solar Car into a lighter, faster, and more nimble road-ready winner!



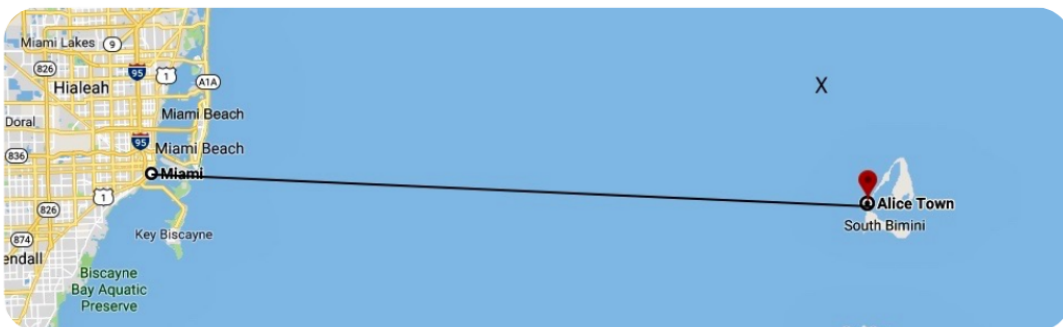


# CHARTING TOMORROW WITH SOLAR POWER

Our club's future plans include embarking on an exciting new project to design and build a solar-powered catamaran, with the ambitious goal of sailing it all the way to the Bahamas. This initiative combines innovation, sustainability, and teamwork as we work to create an entirely self-sufficient vessel powered by renewable energy.

Our plan includes designing efficient solar arrays, optimizing hull performance, and integrating advanced navigation and energy storage systems to ensure a smooth, eco-friendly voyage. Beyond the technical challenge, this project represents our commitment to environmental stewardship and hands-on learning.

By successfully sailing to the Bahamas using only solar power, we aim to demonstrate the potential of clean energy in marine travel and inspire others to pursue sustainable engineering solutions





# JOIN THE CREW. POWER THE JOURNEY.

## SPONSORSHIP OPPORTUNITIES & IMPACT

As an official sponsor of 4-H TechGarage, you and your company become part of a growing legacy. We have been creating innovative transportation solutions and have hands-on experience in designing, manufacturing, and racing.

With the support of our corporate sponsors, we are able to use cutting-edge composites, the latest in battery technology, and the most efficient solar cells on the market. Joining our team means becoming part of that effort to push the bounds of alternative energy vehicle technology.

From becoming a part of our journey to marketing and recruiting opportunities, we provide our sponsors with a truly unique experience. We pride ourselves on building strong relationships that fit the needs of each sponsor, from family-run machine shops to multinational corporations.

The 4-H TechGarage Team greatly appreciates any financial help you might provide to help offset construction and competition travel expenses as we represent 4-H, our community, and the state of Florida in this amazing race and in all of our endeavors.

### SPONSORSHIP LEVELS

Sponsors receive specific benefits based on their level of contribution.

	CREW UP TO \$250	BRONZE \$500+	SILVER \$1,000+	GOLD \$2,500+	PLATINUM \$5,000+	SIGNATURE \$7,500+
TAX BENEFITS	✓	✓	✓	✓	✓	✓
SOCIAL MEDIA EXPOSURE	✓	✓	✓	✓	✓	✓
LOGO ON TEAM WEBSITE		✓	✓	✓	✓	✓
LOGO ON SOLAR CAR			✓	✓	✓	✓
LOGO ON TEAM APPAREL				✓	✓	✓
PRIORITY LOGO SIZING/PLACEMENT					✓	✓
LOGO ON ALL SUPPORT VEHICLES					✓	✓
CORPORATE EVENT						✓

**Scan the QR code to join our mission!** Simply scan this code to be taken directly to our secure sponsorship and donation page. Your support helps fuel student innovation, expand hands-on engineering opportunities, and keep our team competing at the highest level. **Thank you for investing in the next generation of problem-solvers and innovators. You may also contact Mr Peter. Turso at [pmturso@gmail.com](mailto:pmturso@gmail.com) or 954-822-0619.**





## SUPPORT THE TEAM. SPORT THE TEE!



When you purchase T-shirts, hoodies, sweatshirts, tank tops, or other apparel from our Black Acid Apparel webstore, a portion of every sale goes directly back to support our team. Each item purchased earns a commission that helps fund materials, tools, travel, and competition expenses. By wearing our gear, you're not only showing your support—you're helping power the success of our students.





# CONTACT US!

## Team Leaders

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**IF YOU WANT TO GO FAST,  
GO ALONE.  
IF YOU WANT TO GO FAR,  
GO TOGETHER!**

