



“Striving Toward a More Efficient Future”



THE UNIVERSITY OF ARIZONA[®]

SPONSORSHIP BROCHURE

SOLAR RACING

2300 miles of racing powered exclusively by the Sun

who we are

The Arizona Solar Racing Team is a student-run organization at the University of Arizona dedicated to the continued effort of designing and building an efficient solar power vehicle. We are in the process of continued development of *Drifter*, our latest car for future solar race.

team history

The Arizona Solar Racing Team was established in 1997 with the goals of enhancing engineering education and renewable energy projects at the University of Arizona. We have since built four fully solar powered vehicles: *Daedalus*, which raced in Sunrayce '99, *Monsoon*, which placed first in its class at the inaugural American Solar Challenge in '01, *Turbulence* which placed 10th in the open class at the American Solar Challenge in '03. *Drifter*, the latest car is undergoing further revamp and development.

north american solar challenge

In the North American Solar Challenge, teams face the longest and most demanding solar race ever. The ambitious 2005 competition challenged solar cars to run 2500 miles from Austin, Texas to Calgary, Alberta.

world solar challenge

The most well known of all solar races, the World Solar Challenge is an often grueling solar trek across the Australian Outback. Participants from all corners of the globe face race conditions unlike anywhere else in the world.

the dream

Solar racing cars are an excellent platform to develop the technology for a more efficient future. Advances in power management, lightweight materials and efficient solar energy collection are invaluable to meeting the goals of efficient transportation systems. Solar racing is a proving ground not just for advanced technology, but also for the engineers and leaders making the future a reality. Members of the project develop leadership and teamwork skills, and gain practical experience that is impossible to teach in class.

the car

After *Monsoon* placed first in the stock class, to up the ante, *Turbulence* was built to race in the open class against the nation's best solar car teams. In 2003, out of the thirty teams that attempted to qualify, *Turbulence* was one of twenty that made the cut. In the end, *Turbulence* was one of ten cars that successfully finished the race with no assistance.

With the current car, *Drifter*, we are following on this record of success by continuing to develop our skills, designs and systems. Students from many disciplines across the University of Arizona will share in the experience of designing and building a solar powered vehicle, as well as raising all of the funds necessary to make it a success. Eventually, optimizing a solar car that will be a formidable challenge against the best solar cars in the world.

the opportunity

We encourage you to become a part of the solar racing experience by joining our family of valued sponsors!



Turbulence travels Route 66 with its escort



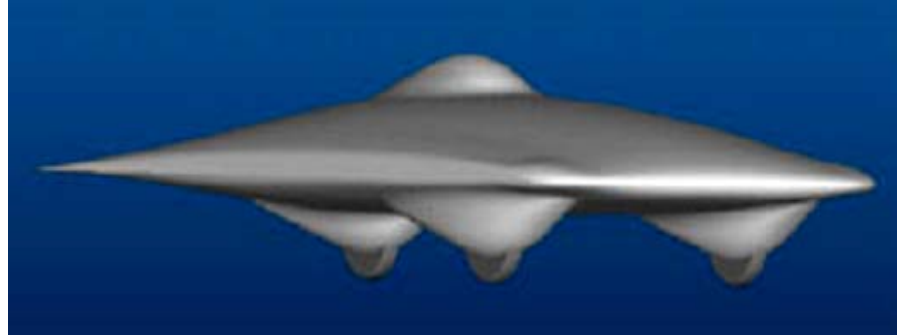
Drifter, being tested in Tucson Raceway Park

TECHNOLOGY

Designing today with the technology of tomorrow

Arizona Solar Racing Team members learn practical application of the engineering skills taught in the classroom. In our design lab, industry-standard computer-aided design and analysis tools are used to optimize the design of each part, maximizing efficiency and performance without sacrificing reliability.

Advanced solar cells provide over 1100 watts of power (about that used by a small hair dryer.) Yet with this small amount of power, the car can cruise at speeds of more than 65 mph when the sun is shining. When it is not, advanced technology batteries store enough power to allow a range of nearly 200 miles, or power the car to a top speed of more than 75 mph. And it never has to stop to refuel.



This extraordinary performance is made possible by the use of lightweight composite materials, an aerodynamic shell, and low-power electronics to minimize the use of energy. Even the most basic solar car systems are state of the art and optimized for efficiency.

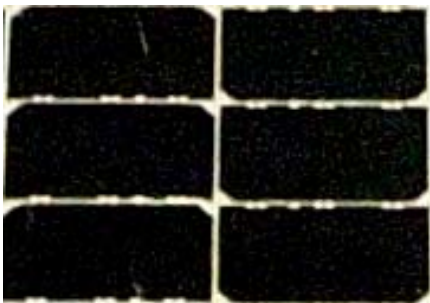


The team has already developed several new technologies and techniques that will be used to future optimize our solar car. The innovations will bring success in both the North American Solar Challenge and the World Solar Challenge. However, they require support from companies, groups, and individuals to become a reality. By supporting the Arizona Solar Racing Team, you are ensuring our success and developing the technology for a more efficient future.

giving back

The Arizona community supports the Arizona Solar Racing Team in many ways, through financial support, media attention, and public interest, and the team makes it a point to give back to the community through our outreach program. This program includes presentations at Arizona schools and organizations to promote the benefits of renewable energy and science education.

The solar car is an excellent tool for outreach and education, and our presentations have proved an exciting way to encourage students to pursue careers in science and engineering. We hope that you will be able to work with our team to plan continuing community involvement for the Arizona Solar Racing Team in the future.



SPONSORSHIP

Support the future and become part of our team

Solar racing is a very exciting, but often very expensive undertaking. The Arizona Solar Racing Team's student members raised almost \$250,000 in funding, materials, and services for *Drifter* from our generous sponsors throughout Arizona and the nation. We hope to raise even more to continue developing and optimizing the car. Support is required on many levels, and the project offers a unique opportunity for supporters to gain exposure as champions of renewable energy and education.

Sponsorship brings many benefits. Media coverage of the project is extensive and all team sponsors receive recognition on our sponsors' board and by name at team media events. Sponsors will also receive regular updates on the project via e-mail and are invited to attend all solar car displays and outreach events. Sponsorship may be contributed on many levels, with specific benefits detailed in the table below.



supporting education

Students who participate in solar racing gain valuable experience in business, technology and leadership. These skills will aid team members beyond the scope of the project and provide the experience of a lifetime.

preserving the environment

Sponsors of the project receive exposure throughout the nation as supporters of the environment and alternative energy solutions. Through our outreach program, you are helping to educate the public about solar technology.

the racing experience

The North American Solar Challenge and World Solar Challenge are major international competitions, attracting worldwide media coverage and huge crowds. Become a part of the excitement of solar racing by supporting our team!

| Level | Donation | Benefits |
|-----------------|-----------------|--|
| Platinum | \$10,000 and up | Exclusive access to solar car when possible Priority sponsorship space on solar car Priority sponsorship space on race trailer Priority sponsorship space on sponsors board Company logo on web page Project updates via e-mail Invitation to solar car events |
| Gold | \$5000 - \$9999 | Sponsorship space on solar car Sponsorship space on race trailer Sponsorship space on sponsors board Company logo on web page Project updates via e-mail Invitation to solar car events |
| Silver | \$1000 - \$4999 | Sponsorship space on race trailer Sponsorship space on sponsors board Company logo on web page Project updates via e-mail Invitation to solar car events |
| Bronze | \$201 - \$999 | Company name on race trailer Company name on sponsors board Company name on web page Project updates via e-mail Invitation to solar car events |

Sponsorship arrangements beyond those listed above may be discussed upon request. Gifts-in-kind will be considered as their cash equivalents. Of course, as an organization of University of Arizona, all donations to the project are tax deductible.

Adopt-a-Cell

Individual donors are also encouraged to contribute to the project through our Adopt-a-Cell program. This program allows families, individuals, and companies to "adopt" one of the hundreds of solar cells on the car by helping with the cost of its purchase and integration into the solar array. Donors receive a listing on the team's website and race trailer, and a certificate with the cell number adopted. Each cell can be adopted for \$20, a string of six cells for \$100, or a set of 20 cells for \$200.

contact information

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