
About TUT Solar Car Team:

The TUT Solar Car Team is a group of innovative and dedicated students from the Tshwane University of Technology (TUT) in South Africa. With a passion for sustainability and cutting-edge technology, this team has made a significant impact in the world of solar car challenges. Established in 2014, the team's mission is to design, build, and compete in solar-powered vehicles that push the boundaries of renewable energy and engineering excellence.

Team History:

Since its inception, the TUT Solar Car Team has been on a remarkable journey of growth and success. Over the years, they have continuously improved their solar car designs, honed their competitive skills, and earned a reputation as a formidable force in the solar car challenge community. Their history is punctuated with significant achievements, including multiple podium finishes in various solar car competitions.

Participating Vehicle Class: Challenger Class

The TUT Solar Car Team competes in the prestigious Challenger Class, which demands the highest level of innovation and performance in solar car challenges. This class is known for its rigorous standards and intense competition, making it the perfect platform for the TUT Solar Car Team to showcase their engineering prowess.

Car Name: Sun Chaser 4

Their vehicle for the Ilanga Cup, the Sun Chaser 4, is a remarkable catamaran design that represents the culmination of years of research and development. This solar car is not just a means of transportation; it's a testament to the team's dedication to cutting-edge technology and sustainable energy solutions.

Achievements:

- 1. Ilanga Cup Champions 2022:** The TUT Solar Car Team is the defending champion of the Ilanga Cup, an esteemed 12-hour endurance challenge for solar cars held at the iconic Red Star Raceway. In 2022, they outshone their competitors with exceptional teamwork, strategic energy management, and a solar car that exemplified engineering excellence during the former 8-hour endurance challenge.
- 2. Top Performers in the Sasol Solar Challenge:** The team has consistently performed admirably in the Sasol Solar Challenge, a biennial solar car competition covering thousands of kilometres across South Africa. Their remarkable performances have earned them several top positions and recognition for their commitment to sustainability.
- 3. International Recognition:** The TUT Solar Car Team has not only excelled on the domestic stage but has also made a mark internationally.
- 4. Sustainability Advocates:** Beyond competing, the team is committed to promoting renewable energy and sustainable practices. They actively engage in outreach programs to educate and inspire the next generation of engineers and environmentalists.

The Road Ahead:

As the defending champions of the Ilanga Cup, the TUT Solar Car Team is geared up to defend their title with even greater determination and innovation. Their solar car for this year's



competition, the Sun Chaser 4, is a testament to their continuous pursuit of excellence in engineering and sustainable technology. They look forward to the challenge, the competition, and the opportunity to showcase the power of solar energy.

Join us at the Red Star Raceway for the Ilanga Cup and witness the TUT Solar Car Team, in their Sun Chaser 4, defend their championship with passion, precision, and a profound commitment to a sustainable future.