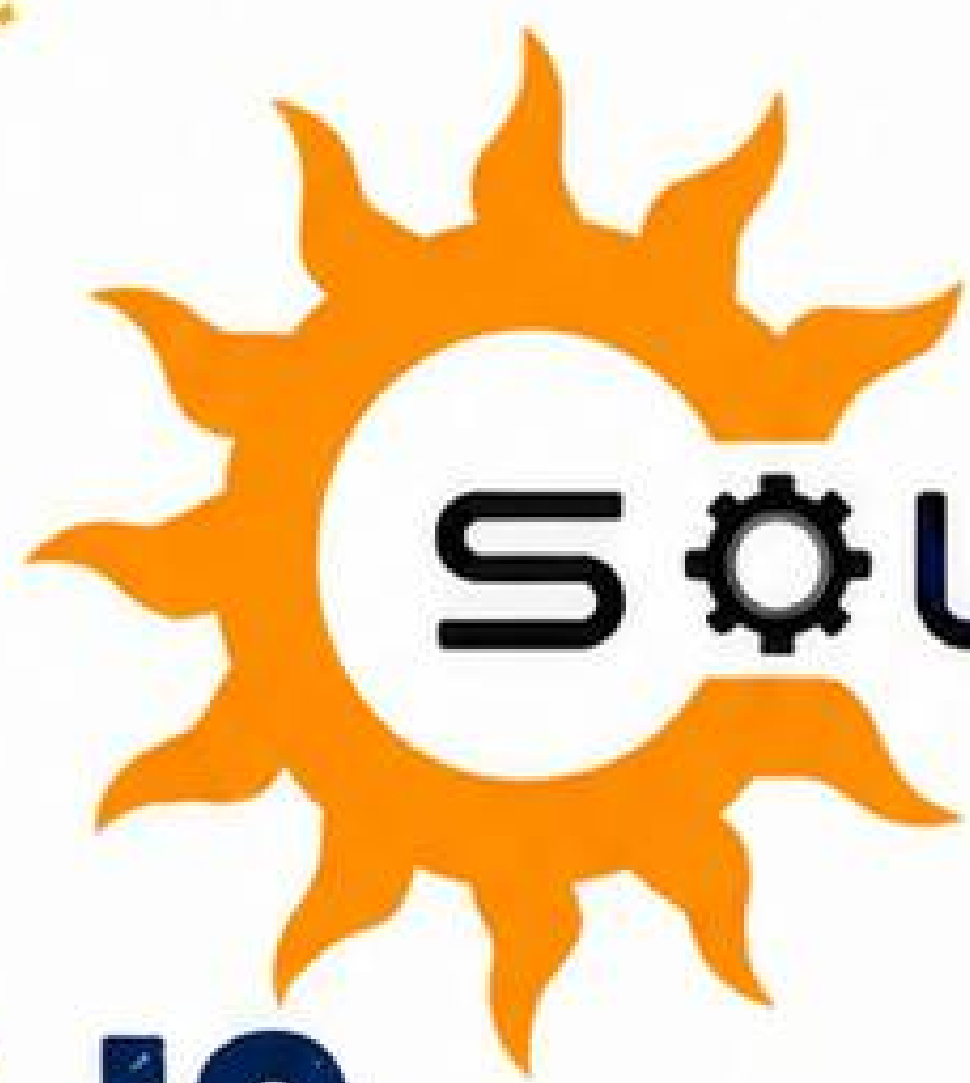




SOLARFLAIR



MADE IN
MPUMALANGA

WHO IS TEAM MPUMALANGA?

We are a proudly Mpumalanga based team of dreamers, builders, problem solvers and innovators. Together we are designing and building a solar-powered car to compete in the **Sasol Solar Challenge**.



PROUDLY LOCAL

We are from Mpumalanga and we are proud of it. We design, build and innovate right here in our community.



INCLUSIVE

Our team is made up of people from different backgrounds, skills and experience levels. Diversity makes us stronger.



ALL INQUIRING MINDS WELCOME

We believe curiosity drives innovation. If you love learning and want to contribute, there's a place for you on our team.



INNOVATION WITHOUT LIMITS

Limited budgets? No problem. We are resourceful, creative and determined to find better ways to go further.

**LOCAL ROOTS.
BRIGHT FUTURE.
DRIVEN BY PASSION.**

SCAN TO
LEARN MORE
ABOUT US!



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BUILT IN MPUMALANGA



SOLAR CAR CHALLENGES: THE FORMULA 1 OF SOLAR ELECTRIC VEHICLE DEVELOPMENT

REAL-WORLD
CHALLENGES.
REAL-WORLD
IMPACT.

Solar car challenges around the world are more than just races – they are innovation playgrounds. They act as a **springboard** for designers, engineers, and artisans to develop critical thinking, technical skills and **real-world experience** that top companies and racing teams look for.



WHY GET INVOLVED?



DEVELOP IN-DEMAND SKILLS

Gain hands-on experience in mechanical, electrical, software, design, aerodynamics, composites and more.



REAL-WORLD PROBLEM SOLVING

Tackle complex challenges with limited resources and tight deadlines – just like in the professional world.



TEAMWORK & LEADERSHIP

Work in diverse teams, take initiative, lead projects and communicate across disciplines.



INNOVATION THAT MATTERS

Push boundaries, prototype solutions and contribute to a sustainable future.



GLOBAL EXPOSURE

Compete on the world stage and connect with like-minded innovators from across the globe.



CAREER ACCELERATOR

Stand out to top employers who value practical experience, ingenuity and a passion for excellence.

A PROVEN LAUNCHPAD FOR GREAT CAREERS

Many alumni of top solar car teams have gone on to achieve incredible things in the **world's most competitive industries**.



AND OTHER
TOP EV &
RACING
COMPANIES



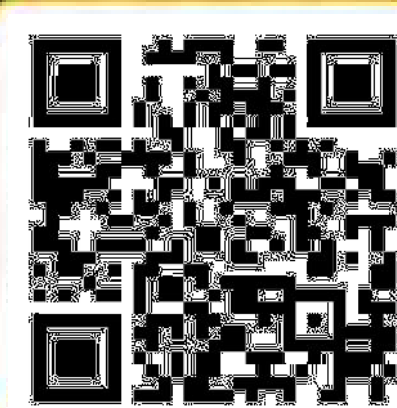
CHALLENGE TODAY. LEAD TOMORROW.

Solar car challenges don't just build cars. They build innovators, leaders and a better future. Where will your journey take you?



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BUILT IN MPUMALANGA



*SAME RULES
FOR EVERYONE.
INFINITE POSSIBILITIES
TO INNOVATE.*

THE CHALLENGER CLASS: BUILT BY RULES. DRIVEN BY INNOVATION.

The Challenger Class is the ultimate test of ingenuity. With **strict rules** and **limited resources**, teams must think smarter, design better and **innovate** to go further.



WHAT DEFINES THE CHALLENGER CLASS



MAX 4m² SOLAR CELLS

No more than 4 square meters of solar cell surface.



NO REFLECTION OR MAGNIFICATION

No additional reflection or magnification onto the solar cells.



MAX 15 MJ ENERGY STORAGE

The maximum energy storage through all systems of the vehicle may not exceed 15 megajoules (4.167 kWh).



3 OR 4 WHEELS

The vehicle must have three or four wheels.



LENGTH & WIDTH RESTRICTIONS

Strict dimensional limits to ensure fairness and innovation.



STRICT SAFETY REQUIREMENTS

All vehicles must comply with comprehensive safety rules.

WHERE INNOVATION MAKES THE DIFFERENCE



SOLAR CELL EFFICIENCY

Push the limits of cell technology and integration to capture every watt of sunlight.



MOTOR & ELECTRIC EFFICIENCY

Extract maximum performance from every electron through advanced electrical systems.



AERODYNAMIC EFFICIENCY

Design for the lowest possible drag to slice through the air and go further on less energy.



WEIGHT OPTIMISATION

Reduce mass without compromising handling, safety or reliability.



SAFETY & RELIABILITY

Innovate to build robust, safe and reliable vehicles that can go the distance.



STRATEGY & RACE CONTROL

Smart strategy, energy management and driver control are the ultimate performance multipliers.

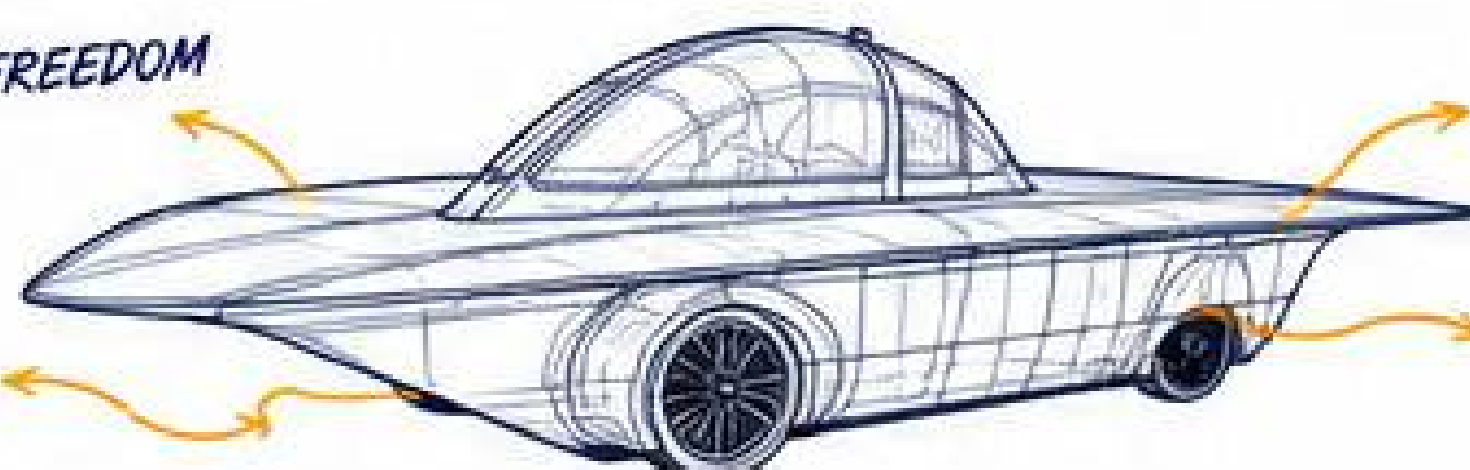


THE CHALLENGE SPARKS INNOVATION.

The rules set the boundaries. Innovation removes the limits. This is why the Challenger Class produces the world's best thinkers, engineers and problem solvers.

DESIGN FREEDOM

SMART SYSTEMS



BOLD IDEAS

REAL-WORLD
IMPACT

**LIMITED BY RULES.
UNLIMITED BY
INNOVATION.**

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BUILT IN MPUMALANGA



JOIN OUR MISSION.
FUEL INNOVATION.
EMPOWER YOUTH.
BUILD TOMORROW.

TOGETHER,
WE CAN
MAKE OUR
DREAMS
A REALITY!

BECOME A SPONSOR TODAY!

Your support helps us design, build and race solar electric cars at world-class challenges. Together, we can go further, **inspire more** and **achieve more**.



YOUR PARTNERSHIP. OUR POTENTIAL. LIMITLESS IMPACT.



**BRAND
EXPOSURE**

Showcase your brand on an international platform.



**INVEST IN
YOUNG TALENT**

Support the next generation of engineers, innovators and leaders.



**DRIVE
INNOVATION**

Be part of cutting-edge solutions in sustainable mobility and technology.



**POSITIVE
IMPACT**

Contribute to a cleaner, greener future and inspire our community.



**STRONG
PARTNERSHIPS**

Join a passionate team with big goals and a shared vision.

BE PART OF OUR JOURNEY. MAKE A DIFFERENCE.
SPONSOR US TODAY!



SEND EMAIL TO: Sponsor@mpsolarflair.org.za

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BUILT IN MPUMALANGA



PROVEN.
PASSIONATE.
PERFORMING.

OUR TRACK RECORD SPEAKS.



THREE CHALLENGES. THREE STEPS FORWARD.
ONE **RELENTLESS DRIVE** TO EXCEL.

BUILT IN MPUMALANGA.
RACING FOR THE FUTURE.



2022



BEST ROOKIE TEAM

Sasol Solar Challenge

In our debut in the Sasol Solar Challenge, we were awarded **Best Rookie Team** and finished **5th overall**.



2023



RACING. LEARNING. IMPROVING.

Bridgestone l'anga Cup
at RedStar Raceway

We took on international competition and finished **3rd in our category**.



2024



BEST AFRICAN TEAM

Sasol Solar Challenge 2024

Back on home soil, we raised the bar and were awarded **Best African Team**, finishing first among the South African teams.



OUR JOURNEY IS PROOF.
OUR FUTURE IS LIMITLESS.

Be part of the next chapter. **Let's go further. Together.**

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DRIVEN BY PASSION.

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