BRIDGESTONE WORLD SOLAR CHALLENGE

2025 OFFICIAL PROGRAM

DARWIN
→ ADELAIDE

24 → 31
AUG. 2025

BRIDGESTONE WORLD SOLAR CHALLENGE

SOUTH AUSTRALIA

NORTHERN TERRITORY

→ FOLLOW THE ADVENTURE
WORLDSOLARCHALLENGE.ORG

BRIDGESTONE WORLD SOLAR CHALLENGE
TOWARDS A BRIGHTER FUTURE →

SINCE 1987, THE BRIDGESTONE WORLD SOLAR CHALLENGE (BWSC) HAS BEEN THE WORLD'S GREATEST INNOVATION AND ENGINEERING CHALLENGE.

IT IS THE LARGEST AND MOST PRESTIGIOUS SOLAR EVENT, WHERE THE BRIGHTEST YOUNG MINDS INNOVATE AND SOLVE A TECHNICAL DESIGN CHALLENGE, TO ENSURE A MORE ENVIRONMENTALLY SUSTAINABLE MOBILITY FUTURE.

FOLLOW THE ADVENTURE →

WORLDSOLARCHALLENGE.ORG

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ACKNOWLEDGEMENT OF COUNTRY

WE ACKNOWLEDGE THE TRADITIONAL OWNERS AND CUSTODIANS OF COUNTRY THROUGHOUT AUSTRALIA AND ACKNOWLEDGE THEIR CONTINUING CONNECTION TO LAND, WATERS AND COMMUNITY. WE PAY OUR RESPECTS TO THE PEOPLE, THE CULTURES AND THE ELDERS PAST, PRESENT AND INTO THE FUTURE.

TEAMARROW
OUTBACK SOUTH AUSTRALIA

OUTBACK SOUTH AUSTRALIA

PARTNER ACKNOWLEDGEMENT

THE BRIDGESTONE WORLD SOLAR CHALLENGE ACKNOWLEDGES AND THANKS THE 2025 EVENT PARTNERS.

TITLE SPONSOR

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Government of South Australia
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Partners correct as of 18 July 2025.

WELCOME FROM THE PREMIER OF SOUTH AUSTRALIA

THREE THOUSAND KILOMETRES. THIRTY-SEVEN TEAMS FROM EIGHTEEN GLOBAL LOCATIONS. THREE VEHICLE CLASSES. ZERO EMISSIONS.
WELCOME TO THE BRIDGESTONE WORLD SOLAR CHALLENGE, THE PLANET'S GREATEST SHOWCASE OF TRANSPORT SUSTAINABILITY, INNOVATION, AND ENGINEERING.

When the flag drops in Darwin on Sunday 24 August the world's greatest minds in vehicle design will hit the highway to challenge the boundaries of transport technology and energy efficiency, in the absolutely coolest way possible: the biennial Bridgestone World Solar Challenge.

For almost four decades teams from all over the planet have flocked to Australia for the opportunity to show off their superior design and building skills in a challenge across the continent.

This year's challenge along a 3,000km route from through the Northern Territory and South Australia, top to bottom. But there is a twist: for the first time in the Challenge's history, the challenge is taking place in the Australian winter.

With fewer hours of sun and greater chance of inclement weather, the teams will need to bring their A-game to score a coveted place on the podium. It is also the first year in which our state's former rivals UniSA and the University of Adelaide will work together in a merged team representing Adelaide University, which officially opens its doors in 2026.

And while this is the greatest solar endurance challenge on Earth, it is also a glimpse of the new and adaptable climate change solutions that will power a world where transport no longer relies on fossil fuels. Drivers will cross the finish line, appropriately, in Adelaide: capital of South Australia and the nation's renewable energy powerhouse.

In fact, with over 75 per cent of power already generated by renewables SA is well on track for the goal of 100 per cent by 2027 – fitting, since that's also the 40-year anniversary of the Bridgestone World Solar Challenge.

I hope you all enjoy this incredible adventure through the heart of Australia, and that you will have stories to share while enjoying all of the world-class hospitality our beautiful city has to offer.

Solar racers, this is your time to shine.

HON PETER MALINAUSKAS MP
Premier of South Australia

INNOPTUS
HIDDEN VALLEY, NORTHERN TERRITORY

BLUE SKY RACING TEAM

2025 EVENT ACKNOWLEDGEMENT

DEAR COMPETITORS, SUPPORTERS, AND VOLUNTEERS, I WOULD LIKE TO EXTEND A VERY WARM AUSSIE WELCOME TO YOU ALL FROM THE BWSC ORGANISING TEAM. WHETHER YOU ARE A FIRST-TIMER OR EXPERIENCED ATTENDEE, WE SHARE YOUR PASSION AND ANTICIPATION FOR THIS ONE-OF-A-KIND ADVENTURE UNDOUBTEDLY THE WORLD'S GREATEST INNOVATION AND ENGINEERING CHALLENGE.

One of the highlights for me is the way each event evolves. Innovation and interpretation test those of us on the faculty, as the next generation flex their design concepts and dream of what is possible. Our global network of past and present competitors is one of the strongest pillars on which we continue to build. Knowledge sharing and learning from each other are surely the greatest gifts of legacy our solar car community provides.

BWSC 2025 continues the tradition of a geographically and culturally diverse field. What is not traditional this year is the event timing. For the first time, the BWSC will be held in an Australian winter with an estimated 20% less sunshine. For the elite Toyota Challenger Class, solar arrays can be larger, but energy storage capacity is smaller – as always, strategy will be in play. Our 'green to the mainstream' Cruiser Class, concept EVs, will compete in a single stage, with the winner taking line honours in Adelaide. Cars will carry two occupants, and overnight recharging will be more flexible, strategy also key to success in this category.

Ultimately, strategy, endurance and reliability will be the key factors that we will see play out as the adventure south unfolds. The overland crossing of our continent remains as unchanged as it has been for thousands of years and travelling through the sacred heart of our ancient land is, for many, a spiritual journey. This great adventure is described by many as 'life-changing' and full of unforgettable experiences. Lasting memories will be shared not only around the campfire, but around the world for many years to come.

In closing, please join me in thanking everyone who makes this iconic event possible, from the observers, officials, scientists, and engineers; the organisers and authorities, as well as the police and emergency services who work in support of you, the visitors, and participants, as we come together to celebrate our passion to make a difference.

We wish all a safe and enjoyable event.

CHRIS SELWOOD AM
Event Ambassador
Bridgestone World Solar Challenge

WELCOME FROM THE MINISTER FOR TOURISM AND HOSPITALITY AND MAJOR EVENTS

THE HON MARIE-CLARE BOOTHBY MLA,
FINOCCHIARO CLP GOVERNMENT.

WELCOME TO DARWIN AND THE NORTHERN TERRITORY!

We're thrilled to welcome all teams, supporters, and officials for the 2025 Bridgestone World Solar Challenge. There's no better starting point for this extraordinary journey than Darwin - a vibrant tropical city that blends innovation, culture, and adventure in the heart of the Northern Territory.

This year's event is particularly special, as it marks the first time the World Solar Challenge kicks off in August. You've arrived during the dry season – when Darwin truly shines. With perfect weather, longer daylight hours, and a packed events calendar, it's the ideal time to experience the best of the Top End.

We're proud to be hosting 37 teams from 18 countries, regions and economies each pushing the boundaries of sustainable and innovative design. Their efforts not only showcase cutting-edge technology, but also inspire the next generation to explore careers in science, technology, and engineering - industries vital to our future growth.

While you're here preparing for the challenge, we encourage you to explore everything Darwin has to offer.

Don't miss the National Indigenous Music Awards on Saturday 9 August and the Darwin Aboriginal Art Fair from 7–10 August – both incredible opportunities to experience the world's oldest living culture through music, art, and storytelling.

Enjoy our Mindil Beach Sunset Markets on Thursdays and Sundays, or the Parap Village Markets on Saturday mornings for famous Territory laksa, tropical fruit smoothies and multicultural street food you won't find anywhere else.

If you're a sports fan, catch Australia take on South Africa in international T20 cricket at Marrara Oval on 10 and 12 August - another great way to experience the local atmosphere.

Make time to relax at the Darwin Waterfront, cool off in the lagoon, or take in the rich WWII military history around town. If you're feeling adventurous, come face to face with a jumping crocodile, swim under waterfalls in Litchfield or have a go at catching a barramundi at a local farm.

The Northern Territory is proud to host this world-class event. The Finocchiaro CLP Government supports the Bridgestone World Solar Challenge through the Northern Territory Major Events Company, as part of our focus on rebuilding the economy and celebrating what makes the Territory so great as we restore our unique lifestyle during our year of action, certainty, and security.

We wish all teams the very best for the challenge ahead, and hope you leave Darwin with unforgettable memories of your time here.

Good luck as you chase the sun down the Stuart Highway!

THE HON MARIE-CLARE BOOTHBY MLA
Minister for Tourism and Hospitality
Minister for Major Events

CHALLENGER CLASS
STUART HIGHWAY, NORTHERN TERRITORY

A TESTING GROUND LIKE NO OTHER

The Bridgestone World Solar Challenge is world's greatest innovation and engineering challenge. A life-changing challenge to accelerate climate solutions – a collaborative catalyst for step changing technologies with potential to deliver real world renewable energy and sustainable mobility outcomes.

Ever evolving regulations from its globally respected Scientific Faculty set competitors the framework to innovate and engineer the most energy efficient solar electric cars in the ultimate endurance test across a 3,000-kilometre proving ground from Australia's north to south. Strap in and enjoy the ride.
Each BWSC event is compellingly unique.

A practical, real-life, hi-tech workshop on wheels where the next generation of changemakers, academics and industry trailblazers can test and prove their theories. Failure can become a pathway to success; careers can start at the finish line; and innovative ideas can lead to start-ups powered by design efficiency and scalable renewable tech.

The BWSC features three classes that represent the diversity of solar electric vehicles and their differing design philosophies. The Challengers, The Cruisers, and the Explorer Class. The two competitive classes are the Challengers and Cruisers.

The Toyota Challenger Class is born of the original event's concept: to design and build a car capable of driving the 3,000-kilometre journey powered only by nature. Toyota Challenger Class vehicles are stunning aerodynamic masterpieces built for sustained endurance and total energy efficiency. The winner is the first to cross the finish line in Adelaide.

The Cruiser Class competition was created by the BWSC Faculty in 2013 to encourage 'green to the mainstream' concept cars kitted out with innovative, sustainable, and potentially practical features that could find their way into real-world design. In 2025 Cruisers must carry one driver and at least one passenger and will compete in a single stage for the first time, with the winner taking line honours in Adelaide.

The 2025 BWSC has three classes of solar car:

- **Toyota Challenger Class:** single-seat solar cars designed for speed and efficiency.
- **Cruiser Class:** efficient, practical solar cars with two or more seats.
- **Explorer Class:** an evolution of the former Adventure Class to give the BWSC an even broader platform to showcase prospective ideas, technology, and renewables. Cars designed for previous events (perhaps being run by a new team) are also eligible. Explorer Class cars will meet all current safety standards and is non-competitive.

EVENT HISTORY

HOW IT ALL BEGAN

In 1987, 23 solar cars competed in the inaugural World Solar Challenge (WSC) some taking several weeks to complete the 3,000-kilometre run from Darwin to Adelaide.

The idea of a transcontinental solar journey to raise awareness and motivate research into solar power was conceived by Danish adventurer and environmentalist Hans Tholstrup, who enlisted champion race car driver Larry Perkins and his brother Garry, to design and hand build the car. In 1982 Hans and Larry embarked on a quest to see not how fast, but how far they could go on the power of solar energy. Together they drove the solar car they named the Quiet Achiever across Australia from west to east.

Inspired by this achievement, Hans urged others to explore the boundaries of sun-powered transport. And so, the World Solar Challenge was born.

38 years later the biennial Bridgestone World Solar Challenge continues to showcase the development of advanced technology, sustainable mobility, renewable alternatives and real-world outcomes.

The aim of the challenge is to drive innovation in renewable energy and sustainable mobility and help people realise that through smart engineering and step change technology we can lower emissions, remove carbon and deliver real-world climate change solutions.

Teams from all over the world and very different backgrounds enter the Challenge, from student groups from leading international universities and technical institutes to private entrepreneurs, to collaborative industry led teams. The BWSC Faculty evolves regulations to encourage creativity, innovation and to challenge the status quo.

Organisers work to keep the challenge fair and open to all participants, regardless of how much money and time they have been able to spend on their cars.

Beyond solar, beyond the tech, today's Bridgestone World Solar Challenge legacy can be found in the collaborative knowledge of its people. The BWSC platform generates and inspires a global network of change-making Alumni who can and do play a crucial role in bridging education and industry accelerating the transition of innovative ideas to mainstream results.

Motivated by the growing climate crisis and environmental concerns, the event is even more relevant today. It continues to grow and inspire. To quote our BWSC Ambassador, Chris Selwood AM, 'the quest for efficiency never ends'.

In 2025 we celebrate 18 previous editions of the event.

SOLARIDE
OUTBACK AUSTRALIA

HONOUR ROLL

2023 EVENT

CHALLENGER CLASS

1 **INNOPTUS SOLAR TEAM** "INFINITE"
AVG SPEED 88.65 KM/H

2 **SOLAR TEAM TWENTE** "RED X"
AVG SPEED 87.78 KM/H

3 **BRUNEL SOLAR TEAM** "NUNA 12"
AVG SPEED 83.07KM/H

CRUISER CLASS

1 **SUNSWIFT RACING** "SUNSWIFT 7"
TOTAL SCORE: 91.1 POINTS

2 **UNIVERSITY OF MINNESOTA SOLAR VEHICLE** "GAIA"
TOTAL SCORE: 22.4 POINTS

3 **SOLARIDE** "SOLARIDE 2"
TOTAL SCORE: 14.7 POINTS

2019 EVENT

CHALLENGER CLASS

1 **AGORIA SOLAR TEAM** "BLUEPOINT"
AVG SPEED 86.6 KM/H

2 **TOKAI UNIVERSITY SOLAR CAR TEAM**
"TOKAI CHALLENGER" AVG SPEED 86.1 KM/H

3 **UNIVERSITY OF MICHIGAN SOLAR CAR TEAM**
"ELECTRUM" AVG SPEED 79.6KM/H

CRUISER CLASS

1 **SOLAR TEAM EINDHOVEN** "STELLA ERA"
TOTAL SCORE: 104 POINTS

2 **SUNSWIFT** "VIOLET"
TOTAL SCORE: 39 POINTS

3 **IVE ENGINEERING SOLAR CAR TEAM** "SOPHIE 6S"
TOTAL SCORE: 28 POINTS

2017 EVENT

CHALLENGER CLASS

1 **NUON SOLAR CAR TEAM** "NUNA 9"
AVG SPEED 81.2KM/H

2 **UNIVERSITY OF MICHIGAN SOLAR CAR TEAM**
"NOVUM" AVG SPEED 77.1KM/H

3 **PUNCH POWERTRAIN SOLAR TEAM** "PUNCH TWO"
AVG SPEED 76.2KM/H

CRUISER CLASS

1 **SOLAR TEAM EINDHOVEN** "STELLA VIE"
TOTAL SCORE: 100 POINTS

2 **HS BOCHUM** "THYSSENKRUPP BLUE CRUISER"
TOTAL SCORE: 51.9 POINTS

3 **CLENERGY TEAMARROW** "ARROW STF"
TOTAL SCORE: 32.5 POINTS

2015 EVENT

CHALLENGER CLASS

1 **NUON SOLAR CAR TEAM** "NUNA 8"
AVG SPEED 91.75

2 **SOLAR TEAM TWENTE** "RED ONE"
AVG SPEED 91.63

3 **TOKAI UNIVERSITY** "TOKAI CHALLENGER"
AVG SPEED 89.41

CRUISER CLASS

1 **EINDHOVEN** "STE2"
TOTAL SCORE: 97.27 POINTS

2 **KOGAKUIN** "OWL"
TOTAL SCORE: 93.61 POINTS

3 **HS BOCHUM** "SUNRISER"
TOTAL SCORE: 82.91 POINTS

2013 EVENT

1 **NUON SOLAR CAR TEAM** "NUNA 7"
AVG SPEED 90.71

2 **TOKAI UNIVERSITY** "TORAY"
AVG SPEED 82.43

3 **SOLAR TEAM TWENTE** "THE RED ENGINE"
AVG SPEED 79.67

2011 EVENT

1 **TOKAI UNIVERSITY** "TOKAI CHALLENGER"
AVG SPEED 91.54KM/H

2 **NUON** "NUNA 6"
AVG SPEED 88.6 KM/H

3 **UNIVERSITY OF MICHIGAN** "QANTUM"
AVG SPEED 84.33KM/H

2009 EVENT

1 **TOKAI UNIVERSITY** "TOKAI CHALLENGER"
AVG SPEED 100.54 KM/H

2 **NUON** "NUNA V"
AVG SPEED 91.88 KM/H

3 **UNIVERSITY OF MICHIGAN** "INFINIUM"
AVG SPEED 90.49 KM/H

2007 EVENT

1 **NUON** "NUNA 4"
AVG SPEED 90.87 KM/H

2 **UMICORE** "UMICAR INFINITY"
AVG SPEED 88.05 KM/H

3 **AURORA** "AURORA 101"
AVG SPEED 85 KM/H

2005 EVENT

1 **NUON** "NUNA III"
AVG SPEED 102.75 KM/H

2 **AURORA** "AURORA 101"
AVG SPEED 92.03 KM/H

3 **UNIVERSITY OF MICHIGAN** "MOMENTUM"
AVG SPEED 90.03 KM/H

2003 EVENT

1 **NUON** "NUNA II"
AVG SPEED 97.02 KM/H

2 **AURORA** "AURORA 101"
AVG SPEED 91.90 KM/H

3 **MIT** "TESSERACT"
AVG SPEED 90.20 KM/H

2001 EVENT

1 **NUNA** "ALPHA CENTAURI"
AVG SPEED 91.81 KM/H

2 **AURORA** "AURORA 101"
AVG SPEED 90.26 KM/H

3 **UNIVERSITY OF MICHIGAN** "M-PULSE"
AVG SPEED 87.37 KM/H

1999 EVENT

1 **AURORA** "AURORA 101"
AVG SPEED 72.96 KM/H

2 **QUEENS UNIVERSITY** "RADIANCE"
AVG SPEED 72.17 KM/H

3 **UNIVERSITY OF QUEENSLAND** "SUNSHARK"
AVG SPEED 71.68 KM/H

1996 EVENT

1 **HONDA** "DREAM II"
AVG SPEED 89.76 KM/H

2 **UNITED HIGH SCHOOLS OF BIEL**
AVG SPEED 86 KM/H

3 **AISIN SEIKI** "AISOL III"
AVG SPEED 80.7 KM/H

1993 EVENT

1 **HONDA** "DREAM"
AVG SPEED 84.96 KM/H

2 **BIEL COLLEGE OF ENGINEERING**
AVG SPEED 78.27 KM/H

1990 EVENT

1 **BIEL COLLEGE OF ENGINEERING**
AVG SPEED 65.18 KM/H

2 **HONDA** "DREAM"
AVG SPEED 54.67 KM/H

3 **UNIVERSITY OF MICHIGAN SOLAR CAR TEAM**
AVG SPEED 52.53 KM/H

1987 EVENT

1 **GENERAL MOTORS** "SUNRAYCER"
AVG SPEED 66.9 KM/H

2 **FORD AUSTRALIA** "SUNCHASER"
AVG SPEED 44.48 KM/H

3 **BIEL COLLEGE OF ENGINEERING**
AVG SPEED 42.93 KM/H

EVENT STORIES

SINCE 1987, OVER 10,000 PARTICIPANTS HAVE TAKEN PART IN THE CHALLENGE, MAKING A LASTING IMPACT ON THE FUTURE OF SUSTAINABLE MOBILITY.

DAN HAYNES
SENIOR MECHANICAL & AEROSPACE ENGINEER AT BAE SYSTEMS AUSTRALIA

I was Team Manager and Head of the Aerostructures Subsystem for the inaugural Adelaide University Solar Racing Team. We successfully built the University of Adelaide's first solar powered electric vehicle to compete in the 2015 World Solar Challenge. The scale of the challenge is intense – all that preparation in the workshop - you then have to put into practice in a very remote, constantly changing field environment. So many lessons learned...

"Competing in the Bridgestone World Solar Challenge and leading the Adelaide University Solar Car project really catapulted my engineering career so I'm happy to spread that word to the next generation. The experience from this event can't be taught in a classroom..."

JAY MANLY
CEO & CO-FOUNDER, MP SPACE

When University of Western Sydney Solar Car team competed in the BWSC for the first time in 2013, we first saw the 'Aussie underdog' fighting spirit and team desire to prove they could compete at the highest level. In 2015 Jay began his Tesla career in the US, but stayed in touch with the team, following their BWSC journeys, then cheering them on as they became the first international team to win the 2018 American Solar Challenge. Following eight years in Tesla program management for Energy Design Engineering, taking products from PowerPoint concepts to production, Jay returned to Australia in 2025. A passionate advocate for increasing Australia's part in sustainable energy and manufacturing, he co-founded defence and space manufacturing company, MP Space, with another solar car alum, Sam Paterson.

Jay describes his role in leading a team of around 40 incredible volunteers responsible for the operation, design, and construction of an ultra-light solar car for the Bridgestone World Solar Challenge as similar to running a small technology start-up. He was involved in all aspects of the organisation and built each section from the ground up with his team.

"Originally, I left Australia for Tesla in the US because I thought I couldn't get a more compelling job at home. Now it's a bit on me and my fellow returned expats to contribute to creating and highlighting compelling jobs here. The Bridgestone World Solar Challenge is a part of that conversation."

BEATRIX BOS
PROJECT MANAGER CARBYON

After winning the BWSC Cruiser Class, Beatrix was ready for a new adventure, swapping the Aussie outback for New York City where she worked for six months with the Economic Department of the Dutch Consulate-General. Returning home to Eindhoven she completed her Masters in Sustainable Energy Technology and began her professional career at DIFFER, the Dutch Institute for fundamental energy research working on energy transition projects. Her passion for technical innovation and product ideation in the energy sector aiming to contribute to the transition of a more sustainable world, led her, along with other solar team alumni, to Carbyon - a startup company in Eindhoven. Groundbreaking work includes developing machines to capture CO2 directly from the atmosphere. Beatrix explained, the goal is to remove gigatons of CO2 from the air, because to reverse climate change, we need to not only stop emitting CO2 but also remove it from the atmosphere - Direct Air Capture Technology is one of the most interesting engineering solutions to do so.

Looking back at her BWSC experience, Beatrix said her greatest highlight was to experience a 100% streamlined team performance where every team member knew their role, tasks and responsibilities to thrive for optimal team performance during the competition. 'It was such a unique feeling to be completely self-sustaining in the outback of Australia, thanks to the contribution of each member, ever since, I have never experienced this again.'

"Being part of Solar Team Eindhoven in the BWSC has had the biggest impact on my life and career so far. It motivated me to stay in tech, stay in the Eindhoven area, and to start working at a startup. The network I have today can often be traced back to my time on the team. I met so many passionate students from all over the world. It is great to realize that despite different backgrounds, everyone

RUBY JONES
COO AND FOUNDING TEAM AQUILA

Ruby is an accomplished engineer and operator of renewable energy projects with almost a decade working in fast-paced hardware and renewables. She spent her Uni years designing, building and racing solar powered cars across the Australian desert before graduating with Honours in Renewable Engineering and Business Administration in 2020. From leading a 50+ person solar team to designing and developing Australia's first GW-scale hydrogen hubs, Ruby's experience running large-scale initiatives within the energy sector is now focused on developing wireless energy networks at Australian startup Aquila. The golden child of the Australian energy sector, Aquila is building an energy network of light that enables long distance, dynamic charging and energy transmission, able to keep a surveillance drone in the air 24/7, charge a commercial electric plane mid-flight, or relay a wireless power line between a solar farm and green steel manufacturer. Having achieved the Top 100 Innovator of Australia, and a spot in the prestigious Tech 23 for deep tech leaders, Ruby is an avid contributor to the Australian Innovation ecosystem.

"The Bridgestone World Solar Challenge is one of very few experiences a student can get involved in to get them accustomed to the speed, pressure, and joy of working in a startup environment. To be able to fail-fast, learn what it means to be high-agency, whilst designing and building and racing a solar car across a desert - unsurprisingly - builds grit and courage. BWSC is the top of the funnel for the Australian deep-tech and hardware startup ecosystem talent pipeline and is a tribute to the passion and innovation of that ecosystem globally."

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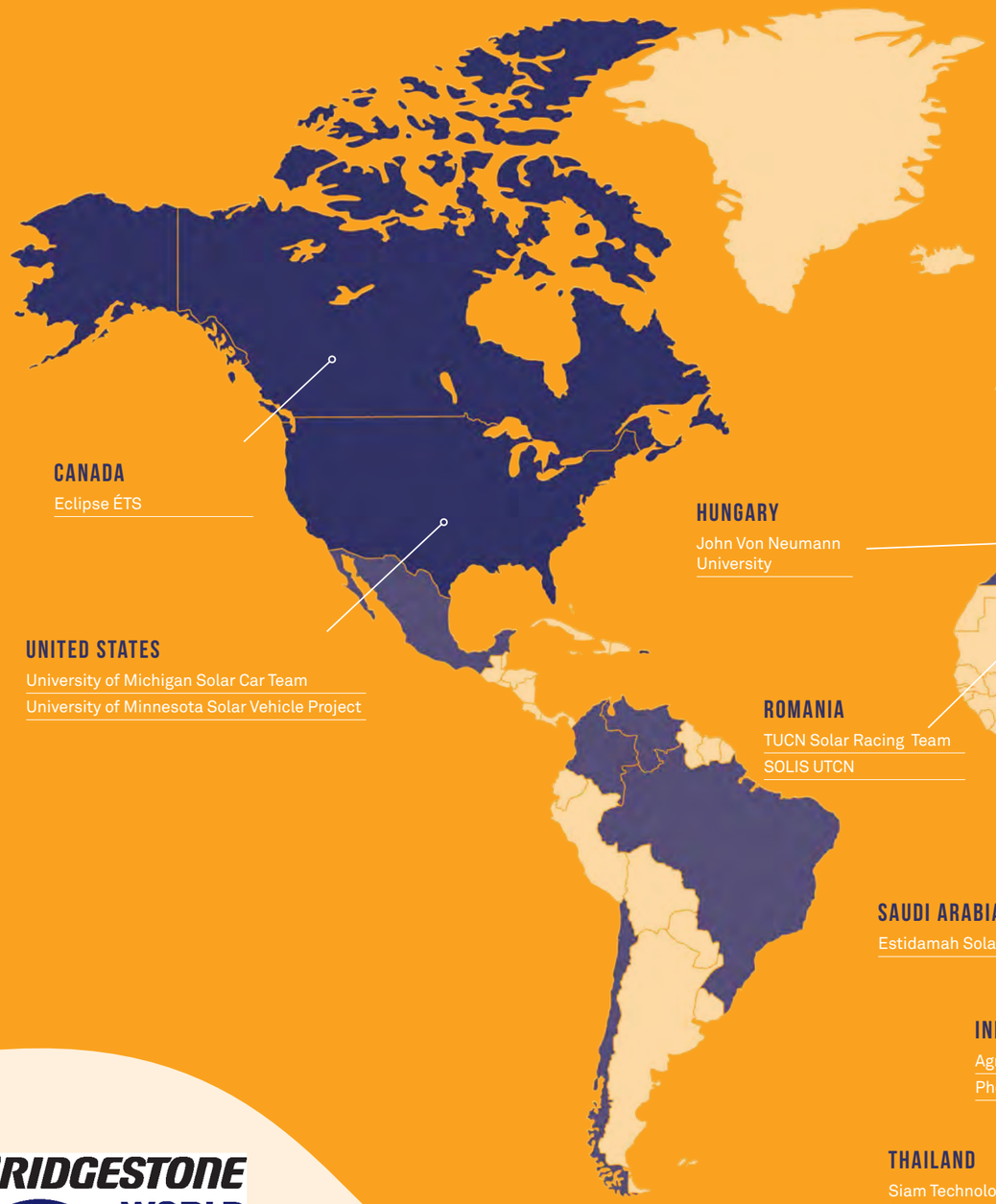
BLUE SKY SOLAR RACING TEAM
THE OUTBACK, SOUTH AUSTRALIA

A GLOBAL EVENT WITH A GLOBAL FOOTPRINT
35 YEARS OF INNOVATION
10,000+ PARTICIPANTS
FROM 40+ LOCATIONS
A GLOBAL AUDIENCE OF MILLIONS



SWEDEN
Chalmers Solar Team
Halmstad University Solar team
JU Solar Team

BELGIUM
Innoptus Solar Team

GERMANY
Team Sonnenwagen Aachen
TUFAST Eco

ESTONIA
Solaride

SWITZERLAND
aCentauri

NETHERLANDS
Brunel Solar Team
Solar Team Twente
Top Dutch Solar Racing

ITALY
Archimede
Onda Solare

SOUTH KOREA
SOLO: Seoul National University Solar Car Team
Seoul National University

JAPAN
Kogakuin University Solar Team
Tokai University Solar Car Team
Wakayama University Solar Car Team
Osaka Institute of Technology Team Tegalia

CHINA
Sun Shuttle Team

TAIWAN
Apollo Solar Car Team

HONG KONG
VTC Solar Car Team

CANADA
Eclipse ÉTS

UNITED STATES
University of Michigan Solar Car Team
University of Minnesota Solar Vehicle Project

HUNGARY
John Von Neumann University

ROMANIA
TUCN Solar Racing Team
SOLIS UTCN

SAUDI ARABIA
Estidamah Solar Car Team

INDIA
AgniRath
Photon Flyers

THAILAND
Siam Technology Motor Sport

MALAYSIA
UiTM EcoPhoton Solar Racing Team

AUSTRALIA
AUSRT Adelaide University Solar Team
ANU Solar Racing
Sunswift Racing
Western Sydney Solar Team
South Australian Solar Vehicle Association (SASVA)
Deakin University Solar Team (DUST)

BRIDGESTONE WORLD SOLAR CHALLENGE

2025 BRIDGESTONE WORLD SOLAR CHALLENGE EVENT ROUTE

At each **Control Stop**, competition vehicle and their teams must stop for thirty minutes to refresh, sometimes refuel and regroup. The BWSC event welcomes members of local communities along the route to come watch and cheer on teams, and offer a kind word of encouragement.

#	TOWN	LOCATION	OPENING TIME*	CLOSING TIME*
1	**DARWIN**	**STATE SQUARE, PARLIMENT HOUSE START LINE**	Sunday 24 August / 07:00	Sunday 24 August / 09:00
2	**KATHERINE**	TRANSPORT WEIGHBRIDGE	Sunday 24 August / 11:00	Sunday 24 August / 17:00
3	**DUNMARRA**	DUNMARRA WAYSIDE INN	Sunday 24 August / 15:00	Monday 25 August / 14:00
4	**TENNANT CREEK**	TENNANT CREEK WEIGHBRIDGE	Monday 25 August / 10:00	Tuesday 26 August / 11:00
5	**BARROW CREEK**	BARROW CREEK HOTEL	Monday 25 August / 13:00	Tuesday 26 August / 15:00
6	**ALICE SPRINGS**	TRAEGER PARK	Tuesday 26 August / 08:00	Wednesday 27 August / 10:30
7	**ERLDUNDA**	ERLDUNDA ROADHOUSE	Tuesday 26 August / 11:00	Wednesday 27 August / 14:00
8	**COOBER PEDY**	COOBER PEDY OVAL	Tuesday 26 August / 16:00	Thursday 28 August / 13:00
9	**GLENDAMBO**	GLENDAMBO OUTBACK RESORT	Wednesday 27 August / 10:00	Thursday 28 August / 17:00
10	**PORT AUGUSTA**	CENTRAL OVAL	Wednesday 27 August / 14:00	Friday 29 August / 13:00
11	**ADELAIDE**	**CITY OF ADELAIDE FINISH LINE**	Thursday 28 August / 08:00	Friday 29 August / 17:30**

Times are accurate as at 03/07/2025

**Latest arrival time for Cruiser Class

CONTROL STOPS

Track the teams' adventures during the event with our live tracker, visit **worldsolarchallenge.org**

LAUNCH WHERE IDEAS TAKE OFF

INNOVATE IN AUSTRALIA'S NORTHERN TERRITORY

POWERING WHAT'S NEXT

The Bridgestone World Solar Challenge starts in Darwin for a reason. In Australia's Northern Territory we are ready to build bigger, do more and take ideas further. Here you can develop, test and scale next-gen energy and mobility solutions and work alongside innovators, investors and partners who already speak your language. Become part of our innovation ecosystem to fast track your ideas and take advantage of our strategic location to Asian markets.

AustraliasNorthernTerritory.com.au

AUSTRALIA'S NORTHERN TERRITORY

INNOPTUS SOLAR TEAM
NORTHERN TERRITORY

IT ALL BEGINS IN DARWIN

The 2025 Bridgestone World Solar Challenge event program starts in Darwin on Monday 18 August.

Teams from around the world converge to complete the final preparations and test their cars before departing on Sunday 24 August.

STATIC SCRUTINEERING

MONDAY 18 TO THURSDAY 21 AUGUST 8AM-5PM
DARWIN CONVENTION CENTRE

Before teams make it to the Start Line, they must prove to our Scientific Faculty and the Northern Territory Department of Infrastructure, Planning and Logistics that their car has been built correctly and meets 2025 Event Regulations.

Watch from a dedicated viewing platform as competition vehicles are weighed, measured and checked for overall road readiness. This can be a nerve wracking test for many teams, as they must pass to progress to Dynamic Scrutineering.

Please note, daily times are subject to change and a schedule will be available at worldsolarchallenge.org on Sunday 17 August.

CLEAR SKIES - NTG SYMPOSIUM

TUESDAY 19 AUGUST 9AM-5PM
DARWIN CONVENTION CENTRE

The Department of Trade, Business and Asian Relations will bring together global solar innovators, Territory based startups, investors, researchers , and government leaders for a day of insights, collaboration, and future-focused discussion and how the NT can become a landing pad for innovation and investment.

CRUISER CLASS DESIGN JUDGING

FRIDAY 22 AUGUST 3PM-5PM
DARWIN CONVENTION CENTRE

Cruiser Class teams must prepare a brochure that describes their vehicle, how it will be used, and how it addresses sustainability, mobility and energy resilience

Teams must also give a 3-minute presentation about their car to the esteemed judging panel and allow judges to get into their car to test the space and comfort.

This is a great opportunity to learn more about the Cruiser Class, often the breeding ground for technology and innovation, that inspire the electric cars we see on the road today.

DYNAMIC SCRUTINEERING

SATURDAY 23 AUGUST 8AM-1PM
HIDDEN VALLEY MOTOR SPORT COMPLEX

Want to see the teams in action? Dynamic Scrutineering puts the teams through a series of exercises testing speed, stability and braking capability.

The highly contested 'Hot Laps' give teams the opportunity to post their fastest time and the chance to take pole position and lead the event out of Darwin.

No competition vehicle will be given permission to line up at the start until teams have passed this phase and with only one sleep until departure, it is an important and exciting event to witness.

OFFICIAL DARWIN START LINE

SUNDAY 24 AUGUST FROM 7AM
STATE SQUARE, PARLIAMENT HOUSE

Join us at State Square to cheer on the 2025 Teams from around the world, as they begin their 3,000km solar-powered adventure to Adelaide.

Official proceedings commence at 8am but we suggest arriving earlier to grab a coffee and egg and bacon roll, then walk along the line up of these incredible competition vehicles for a final chance to see firsthand the future of hi-tech, sustainable mobility and wish the teams well.

[01] Snapper Rocks Darwin

[02] Jet ski Tour, Darwin Harbour

IN DARWIN, FLAVOUR, CULTURE AND ADVENTURE GO HAND IN HAND. FROM LAID-BACK CAFÉS AND FOOD MARKETS BUZZING WITH INTERNATIONAL CUISINE, TO RICH INDIGENOUS HERITAGE, WARTIME HISTORY AND OUR FAMOUS SUNSETS - THERE'S PLENTY TO SAVOUR.

WHETHER YOU'RE SKIMMING ALONG THE HARBOUR, OR LOCKING EYES WITH A SALTIE, THERE'S ALWAYS SOMETHING NEW TO DISCOVER IN THIS TROPICAL PARADISE.

A DAY IN DARWIN

[01] Tourism NT/Shaana McNaught
[02] Tourism NT/@domanjesso
[03] Tourism NT/Shaana McNaught

With mornings made for catching the sun, it's no surprise Darwin takes its coffee seriously. **D-Town Coffee Roasters** serves award-winning beans fresh from the roaster each day at their Coconut Grove café. At the Esplanade, **On Country Club** by the House of Darwin crew is slinging coffee, sandwiches and sweet treats from their tuck shop-style hole-in-the-wall.

If you take your brew seriously, **Mad About Coffee** in Parap Village delivers with expert baristas. Just around the corner, local favourite **Laneway Café** serves up great coffee, good vibes and an all-day brekkie menu.

Prefer your breakfast waterside? Head to **The Foreshore Café** in Nightcliff, **Lagoon Café** at the Waterfront or **The Boatshed** in Cullen Bay - serving the classics with a view. After a city buzz? Try The Rabbithole, pop-culture inspired Mad Snake Café or the brand new Perk & Palate offering a modern Filipino-influenced brunch menu.

On Saturday mornings, don't miss the **Parap Markets**. Tropical flavours, Territory vibes and a hotly contested race for the best laksa in town! Grab a laksa brekkie—it doesn't get more Darwin than that.

[03] Picnic at Nightcliff foreshore

Fuelled up? It's time to explore. Wander the shady paths of **George Brown Darwin Botanic Gardens**, stroll **the Esplanade** for ocean views, or discover the latest murals from the **Darwin Street Art Festival** tucked among the laneways.

On Sundays soak up the bright colours and bold flavours of Darwin's oldest market at **Rapid Creek** - a vibrant little slice of Asia with a laidback local vibe.

Darwin is rich in First Nations art and stories. Visit **Mbantua**, Mason Gallery and the contemporary **Laundry Gallery** in Parap. At **Aboriginal Bush Traders**, shop ethically sourced art, bush foods and textiles that directly support Indigenous communities.

Immerse yourself in Territory stories at the **Museum & Art Gallery NT (MAGNT)** at the Cyclone Tracy exhibition and the Telstra National Aboriginal and Torres Strait Islander Art Awards.

Croc action more your thing? In the heart of the CBD, **Crocosaurus Cove** offers up-close encounters with some of the Territory's most famous residents. Step into the **Cage of Death** and come face-to-face with a five-metre saltie. Still curious? Just out of town, **Crocodylus Park** is home to over a thousand toothy reptiles, from hatchlings to full-grown beasts.

If fishing's more your speed, try landing a legendary barra on half-day or full-day **fishing charter**, or go big with a **heli-fishing** adventure.

History buffs can step back in time at the **Royal Flying Doctor Service** facility at Stokes Hill Wharf, where immersive exhibits bring the Bombing of Darwin Harbour to life. Wander through **WWII Oil Storage Tunnels** beneath the city, or head to East Point to explore wartime stories at the **Darwin Military Museum**.

For thrills on the water, book a jet ski tour with **00SEVEN Adventures** and carve up the coastline - James Bond vibes, Territory style.

Slow things down with a swim at the (croc-free) **Darwin Waterfront** beach or float the afternoon away in the **wave lagoon**. Feeling adventurous? Tackle the inflatable Aqua Park, then recharge with deliciously fresh food at **Snapper Rocks**, **Hot Tamale** or the **Oyster Bar.**

Craving something luxe? Sip cocktails poolside at **Mindil Beach Casino Resort**, where the sparkling infinity pool overlooks the Arafura Sea. Refined dining options include **Dragon Court**, offering a contemporary take on classic Chinese cuisine.

If casual is more your style, wind down with a beer and pizza at **Six Tanks Brew Pub**, or grab a stool at **Flicks**, where Darwin-style street food and shareable plates take centre stage. For something a little quirkier, try the eclectic **Lola's Pergola** at Cullen Bay, where the views are as fun as the décor.

Darwin's dining scene spans the globe. Sample award-winning **Hanuman's** bold South-East Asian menu, while Ella by Minoli offers a modern Sri Lankan twist. **Moorish Café** brings Mediterranean and North African flavours, **Alfonsino's** keeps things classically Italian, and **Flora's Temper** in Nightcliff dishes up colourful, neighbourhood-style Mexican.

Settle in for one of those legendary Territory sunsets at the **Ski Club**, **Sailing Club** or **Trailer Boat Club** - where golden hour comes with a sea breeze and a cold drink. Or soak it up at one of the many idyllic stretches of the coastline around Darwin: **Nightcliff**, **Fannie Bay** or **Cullen Bay.**

Want to catch a classic Darwin sunset on the water? Jump aboard a harbour cruise and watch the sky put on a show. Once the sun has set, sip locally distilled gin on the rooftop at **Charlie's**, try award-winning cocktails at the 1920s-inspired **Hanky Panky Lounge**, or all things rum-inspired at sister venue **Bar Kokomo**. Still not done? Head down Mitchell Street for classic Darwin nightlife at **Shenanigan's**, or some live music with duelling pianos at **Sweethearts**.

Visit **Tourism Top End** for more tips and inspiration.

2025 REGULATION CHANGES

EACH BWSC HAS DIFFERENT DESIGN REQUIREMENTS, IN RESPONSE TO IMPROVING TECHNOLOGIES AND TO INCREASE COMPETITION.

The major change for 2025 is the time of year, with the event to be held in the last week of August at the end of the Australian winter. This will see a reduction in the mean daily irradiation along the route, but also fewer hot days.

For Toyota Challenger Class vehicles, the allowable solar collector area has increased from 4 m2 to 6 m2 to compensate for the lower available sunlight. Stored energy allowance has decreased from 18 MJ to 11 MJ, so that teams are more dependent on the solar energy collected by the vehicle than on the energy in their battery at the start.

Changes to Cruiser class are more significant.

In 2025 the Cruisers will drive from Darwin to Adelaide in a single stage, like the Challengers. They will have at least 2 seats and carry 2 people all the way from Darwin to Adelaide. The solar collector area of Cruisers is unrestricted, limited only by the size limits for the vehicle. Energy storage is limited to 55 MJ. Any form of stored renewable energy can be used, but teams may only recharge or refuel overnight. Design judging will take place in Darwin, and scoring has been simplified.

Other changes that impact both classes include:

- Allowable car dimensions have increased to 5800 x 2300 x 1650 mm
- Both Classes must have at least 3 wheels
- Front and rear overhangs must each be less than 60% of the wheelbase, for consistency with Australian vehicle regulations
- New ground clearance requirements-solar cars must be able to drive over a standard speed hump
- Cars must incorporate additional protection against impact to the occupants' heads and upper bodies

INNOPTUS SOLAR TEAM
NORTHERN TERRITORY

STARLINK

Connect to high-speed, low-latency internet anywhere in Australia, even in the most remote and rural locations.

With Starlink's Mobile plans, you can take your high-speed, low-latency internet service with you wherever you go.

ACENTAURI SOLAR TEAM
OUTBACK AUSTRALIA

TOYOTA CHALLENGER CLASS

WHO WILL BE THE FASTEST TO THE FINISH LINE

In 2025, with 20% less sunshine, the spotlight will shine on solar arrays. To succeed in the Challenger Class, teams will need to optimise the efficiency of their larger solar panels to offset capped battery capacity. This year it will be less about storage and more about performance, at the competitive end of the field nothing can be wasted.

STATS

Max Length	5.8m
Max Width	2.3m
Max Height	1.65m
Max Solar Array	6m2
Compulsory Seats	1 (Driver)
Min number of wheels	3
Stages	Single Stage *Darwin to Adelaide*

TOYOTA CHALLENGER CLASS TEAMS

NO.	TEAM NAME	CAR NAME	COUNTRY, ECONOMY, REGION
2	**University of Michigan Solar Car Team**	Millennium	USA
3	**Brunel Solar Team**	Nuna 13	NLD
6	**Top Dutch Solar Racing**	Green IV	NLD
7	**Team Sonnenwagen Aachen**	Covestro Æthon	GER
8	**Innoptus Solar Team**	Infinite Apollo	BEL
9	**Adelaide University Solar Racing Team (AUSRT)**	Lumen III	AUS
10	**Tokai University Solar Car Team**	Tokai Challenger	JPN
15	**Western Sydney Solar Team**	Unlimited 6.0	AUS
21	**Solar Team Twente**	RED Discover	NLD
23	**Halmstad University Solar team**	H6	SWE
28	**AgniRath**	Aagneya	IND
32	**TUFAST Eco**	LUX025	GER
38	**The Iron Lion Solar Car Team**	Aurora	USA
41	**ANU Solar Racing**	Monty	AUS
42	**South Australian Solar Vehicle Association (SASVA)**	Sun Sprite	AUS
43	**TUCN Racing Team**	SOL Invictus 2	ROU
46	**JU Solar Team**	Nova Lumina	SWE
48	**John Von Neumann University**	NMS-1	HUN
51	**Chalmers Solar Team**	Arvaker	SWE
57	**SNU SOLO: Seoul National University Solar Car Team**	Pado	KOR
61	**Wakayama University Solar Car Team**	Yata	JPN
64	**Photon Flyers**	Sun Sprint	IND
78	**Osaka Institute of Technology Team Regalia**	Screwera	JPN
82	**Seoul National University**	SNUONE	KOR
85	**aCentauri**	Silvretta	CHE
88	**Kogakuin University Solar Team**	Cygnus	JPN
89	**Estidamah Solar Car Team**	SANA 3	SAU
92	**Eclipse ÉTS**	Éclipse 12	CAN
99	**SOLIS UTCN**	Hyperion	ROU

WHAT CAN WE EXPECT IN 2025?

After the triumphant Belgian Championship team's retractable fin in 2025, strap in for more secret 'weapons' and innovative high-tech reveals. The field is wide open with many teams incorporating lessons learned from past events into their designs – experienced alumni know those lessons extend beyond the vehicles – with teamwork and testing being consistent themes.

"It takes much more than a fast car to cross the finish line" - Tilde Thurfjell Emilsson Chalmers Solar Team

UNIVERSITY OF MICHIGAN SOLAR CAR TEAM

MILLENNIUM | UNITED STATES OF AMERICA NO. 2

In 2025, the University of Michigan Solar Car Team wil compete for the 13th time. Millennium isn't just a feat of engineering, it's a testament to the boldness of students at the University of Michigan. The combined effort of over 150 undergraduates, nearly 40% of whom were in high school last year, Millennium shows what happens when young people are trusted with real responsibility. Millennium reflects not only technical excellence but also a thirty-five year tradition of collaboration, empowerment, and student ownership that defines their team.

BRUNEL SOLAR TEAM

NUNA 13 | NETHERLANDS NO. 3

This will be Brunel Solar Team's twelfth time competing in the World Solar Challenge. 'The design philosophy of Nuna 13 centers on optimized aerodynamics, lightweight construction, and high energy efficiency to maximize performance. Its streamlined shape minimizes air resistance, while carbon fiber materials keep it lightweight without compromising strength. The car utilizes high-efficiency solar cells, advanced battery management, and optimized power conversion for maximum energy utilization. A low-friction drivetrain enhances mechanical efficiency, while stability and safety features ensure reliability in harsh conditions. With a focus on sustainability and innovation, Nuna 13 pushes the boundaries of solar mobility and green technology, and demonstrates what is possible with the best solar car technology in the world.

TOP DUTCH SOLAR RACING

GREEN FALCON | NETHERLANDS NO. 6

Top Dutch Solar Racing has competed twice before, in 2019 and 2023. In their first competition, they placed 4th and won the Excellence in Engineering Award. At the core of Top Dutch Solar Racing are values of development, sustainability, and unity. All 3 values are tested and promoted at an event like BWSC. Top Dutch Solar Racing team develop themselves, so their future lives, community, and world can become a better place. What does this better place look like? It's where unity and sustainability are at the forefront of everything they do.

TEAM SONNENWAGEN AACHEN

COVESTRO ÆTHON | GERMANY NO. 7

The team has competed in the Bridgestone World Solar Challenge three times, in 2017, 2019, and 2023, driven by a philosophy of collaboration and innovation. Each member's effort powers their solar car to balance speed, efficiency, stability, and safety. This year, they added new sensors to gather data and optimize performance while keeping safety their top priority. The BWSC pushes them to create advanced, sustainable technology and inspires them to promote renewable energy, strengthening their teamwork and commitment to the future of mobility.

INNOPTUS SOLAR TEAM

INFINITE APOLLO | BELGIUM NO. 8

The Innoptus Solar team has competed since 2004, marking their 10th participation in 2025. Their solar car is built on the principles of reliability, innovation, and efficiency, continuously evolving to meet changing regulations. By designing every component in-house and collaborating with Belgian and international partners, they maintain control over production, optimizing efficiency and minimizing weight. With 20 years of experience and a strong alumni network, they push technological boundaries, keeping innovations secret until the challenge.

ADELAIDE UNIVERSITY SOLAR RACING TEAM (AUSRT)

LUMEN III | AUSTRALIA NO. 9

TAUSRT has participated in every event since 2015, including the 2021 Telemetry Challenge. Their main focus has always been on safety, ensuring the driver and environment are protected while staying competitive. The 2025 team, drawing from past experiences, is focused on balancing performance, weight, and aerodynamics, while optimizing the solar array for the harsh Australian sun. Lumen III is the most advanced solar car AUSRT has ever created, representing over 10 years of development. They're excited to collaborate with the new Adelaide University as they work towards unifying South Australian universities.

TOKAI UNIVERSITY SOLAR CAR TEAM

TOKAI CHALLENGER | JAPAN **NO. 10**

The team first competed in 1993 and has since participated 10 times, with the 2025 event being their 11th. Their solar car focuses on robustness, simplicity, and innovation, prioritizing performance and durability over appearance. With advanced aerodynamics and AI-powered computational fluid dynamics (CFD), the team reduced drag and improved energy efficiency. This design ensures stability and energy optimization, crucial for long-distance challenges. They look forward to gaining invaluable experience and learning from engineers worldwide while enjoying the diverse Australian landscapes, so different from Japan.

WESTERN SYDNEY SOLAR TEAM

UNLIMITED 6.0 | AUSTRALIA **NO. 15**

The Western Sydney Solar Team has competed in four official events since 2013, returning in 2025 to place 9th in the Bridgestone World Solar Challenge. As a 100% student-led project, the challenge is more than a challenge—it's a platform to innovate, collaborate, and push the boundaries of solar technology. While the team may enjoy a home advantage, the 3,000 km journey across the Outback tests every competitor. They're proud to represent Australia and excited to take on the world's best once again.

SOLAR TEAM TWENTE

RED DISCOVER | NETHERLANDS **NO. 21**

Solar Team Twente has competed in the Bridgestone World Solar Challenge nine times since 2005. Their cars prioritise simplicity and reliability, with a fully in-house electrical system and a focus on fine detail to maximise efficiency. The challenge drives constant innovation and offers a chance to connect with other teams while experiencing Australia's unique landscapes and culture.

HALMSTAD UNIVERSITY SOLAR TEAM

H6 | SWEDEN **NO. 23**

This will be the second challenge that the team has participated in. Their car has improved aerodynamics from its 2019 design, which has resulted in a more robust, long-lasting, and reliable structure. What sets their car, Sven, apart is its distinctive aspect of being designed, tested, and manufactured on a notably limited budget. The team has faced the challenge of seeking innovative solutions to achieve a high-quality outcome, with every component crafted in-house at HUST.

AGNIRATH

AAGNEYA | INDIA **NO. 28**

The team made their debut at the Bridgestone World Solar Challenge in 2023 and return in 2025 with Aagneya, their second solar car and the largest student-built solar racer in India. Designed with a sleek aerodynamic shape and lightweight carbon fibre construction, the car maximises efficiency by minimising drag and energy loss. Their electrical system focuses on optimal solar energy conversion, refined through industry collaboration and advanced robotic soldering. For the team, BWSC is more than a challenge—it's a platform to showcase innovation, promote sustainable mobility, and engage with a global community. They're excited to drive through the Australian outback, exchange ideas with international teams, and proudly represent India on the world stage.

IRON LIONS SOLAR CAR TEAM

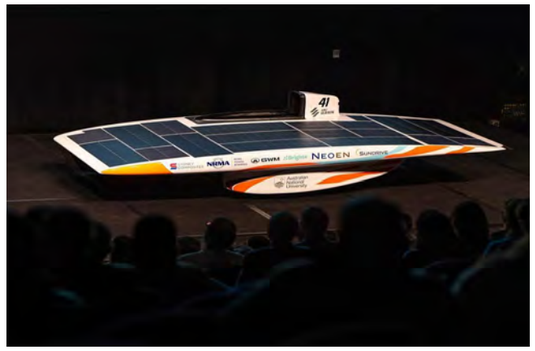
AURORA | USA **NO. 38**

This is the first time that Iron Lions Solar Car Team will be competing at the event. They empahsise a design philosophy centred on aerodynamics and reliabilty to enhance performance. They have a very intentional deisn process that fosters student learning, and encourages hands-on experience in engineering principals. By prioritising efficient shapes and materials they are able to create a solar car that competes effectively, while also serving as a learning platform.

TUFAST E.V

LUX025 | GERMANY **NO. 32**

This year marks the team's first participation in the Bridgestone World Solar Challenge, a long-held goal since their founding 16 years ago. With a background in the Shell Eco-Marathon and two world records in energy efficiency, their approach centres on lightweight construction, safety, and aerodynamic performance. Their solar car, lux025, features optimised carbon layering, topology-designed components, and in-house developed electronics, all supported by academic research, including 15 student theses. The BWSC offers a unique opportunity to test their innovations in extreme, real-world conditions, benchmark against top global teams, and explore the Australian outback.



ANU SOLAR RACING

MONTY | AUSTRALIA **NO. 41**

The team has competed in the Bridgestone World Solar Challenge three times in 2017, 2019 and 2023, and returns in 2025 with their fourth-generation solar car. This design focuses on balance, featuring a tilted array for improved solar efficiency and crosswind stability. Showcasing local innovation, the car includes Sundrive's copper HJT solar cells and an in-house battery management system. The team aims to lead in sustainable innovation and sees BWSC as a platform to push boundaries, share knowledge, and promote clean technology. They are also excited to share Aussie culture, complete with snags, Vegemite, and cricket in the pits.

SOUTH AUSTRALIAN SOLAR VEHICLE ASSOCIATION

SUN SPRITE | AUSTRALIA **NO. 42**

The 2025 Bridgestone World Solar Challenge will mark the team's debut entry to complete the full journey, following their participation in the 2021 virtual challenge as the South Australian Solar Vehicle Association (SASVA). Their design philosophy focuses on collaboration, accessibility, and sustainability, using lightweight vacuum-bagged composite materials and repurposed components. The solar cells, locally manufactured in Adelaide, are adapted from rooftop use for high efficiency in harsh conditions. With a console provided by a supporting business, the team can easily manage energy production and use.

TUCN RACING TEAM

SOL INVICTUS 2 | ROMANIA **NO. 43**

The team has participated once in the Bridgestone World Solar Challenge, bringing a strong focus on efficiency and speed. Their approach combines mechanical and electrical innovation, all working toward a single goal: performance. A key feature of their solar car is its lightweight and practical unibody structure. For the team, the BWSC is more than just a competition—it is one of the most valuable experiences a young student can have, offering not only technical challenges but also unforgettable moments throughout the journey.

JU SOLAR TEAM

NOVA LUMINA | SWEDEN **NO. 46**

The JU Solar Team has participated five times in the Bridgestone World Solar Challenge, always striving to push the limits of sustainable technology. This year, they are more determined than ever to fight for victory. Their design philosophy, reflected in their name Nova Lumina meaning "new light," focuses on innovation, problem-solving, and advancing solar technology. Sustainability is central to their approach, using eco-friendly materials like flax fiber and Swedish steel instead of carbon fiber. Their droplet-shaped design improves aerodynamics, combining efficiency with cutting-edge style.

JOHN VON NEUMANN UNIVERSITY

NMS-1 | HUNGARY **NO. 48**

The team previously competed in the 2015 Bridgestone World Solar Challenge, securing 7th place. Now, a decade later, they return as the only Hungarian team, aiming to build on their past success with another strong performance. Their solar car is engineered for maximum efficiency, featuring advanced software and hardware systems, real-time energy forecasting, and a refined aerodynamic design. Every detail is optimised for speed, endurance, and sustainability across the 3,000 km journey. With custom-built software and adaptive strategies, the vehicle serves as a technological showcase for solar-powered mobility.

CHALMERS SOLAR TEAM

ALLSVINN | SWEDEN **NO. 51**

Chalmers Solar Team has competed twice in the Bridgestone World Solar Challenge. This year's car is an evolution of their previous design, with a strong focus on reliability and serviceability, vital lessons learned from the challenge of driving across Australia in a student-built vehicle. The car features a modular battery system for quick part replacement and a highly modular, safety-focused electrical system, setting it apart from many teams. Despite its increased size, the car is also more aerodynamically efficient than its predecessor.

SOLO: SEOUL NATIONAL UNIVERSITY SOLAR CAR TEAM

PADO | SOUTH KOREA **NO. 57**

The team first participated in the Bridgestone World Solar Challenge in 2025 and returns in 2025 for their second entry. Their solar car, SNU SOLO, symbolises a vehicle leading the road to the sun and reflects their goal to showcase originality and push beyond limits. Focused on promoting sustainable energy, the team combines traditional manufacturing techniques with cutting-edge AI technology to optimise energy use, aerodynamics, and performance. Their vehicle features AI-assisted systems for operational strategies like weather analysis and speed control.

WAKAYAMA UNIVERSITY SOLAR CAR TEAM

YATA | JAPAN **NO. 61**

This is the team's second time competing in the Bridgestone World Solar Challenge. Their car is built around efficiency, collaboration, and reliability, featuring a 9% drag reduction and 11% lower rolling resistance than their previous model. With a lightweight carbon fibre body and an aerodynamically optimised cowl, the design improves both speed and stability. Cloud-based data sharing streamlines teamwork, while repeated testing ensures consistent performance. After years of competing in Japan, including a national win in 2016, the team is aiming higher and grateful to represent their sponsors on the world stage.

PHOTON FLYERS

SUN SPRINT | INDIA **NO. 64**

The 2025 Bridgestone World Solar Challenge marks the team's debut. Their design philosophy focuses on innovation in solar-powered vehicles and sustainable mobility, encouraging new approaches to energy-efficient design. The car minimises aerodynamic drag while ensuring safety and stability, with a strong focus on solar efficiency. Advanced lightweight materials, a custom battery box, and a smart Battery Management System support performance and reliability. The BWSC is a chance to apply engineering in real-world conditions, drive innovation, and inspire future generations to pursue a sustainable future through technology.

OSAKA INSTITUTE OF TECHNOLOGY TEAM REGALIA

SCREWERA | JAPAN **NO. 78**

This is the team's first time participating in the Bridgestone World Solar Challenge. Their solar car follows the current monohull trend, with a focus on aerodynamic efficiency and reduced weight to achieve long-range performance. Its slim body and stable wheelbase are designed to support extended driving across the Australian outback. By entering the world's most prestigious solar car challenge, the team aims to push the limits of their technical capabilities, while also embracing the opportunity to engage with diverse cultures and experience a unique natural environment far from home.

SEOUL NATIONAL UNIVERSITY

SNUONE | SOUTH KOREA **NO. 82**

The 2025 Bridgestone World Solar Challenge marks the team's debut—and the first time Seoul National University is officially represented in the event. Their solar car is engineered for maximum efficiency, with a refined aerodynamic shape, lightweight CFRP construction, and tightly integrated electrical systems designed to extract every watt of usable energy. A standout innovation is the pulley-actuated gull-wing wheel-door system, which reduces drag, enhances stability, and improves accessibility. For the team, BWSC is more than a challenge—it is a proving ground for real-world engineering, a platform for clean-energy innovation, and a chance to elevate SNU's global presence while inspiring future talent.

ESTIDAMAH SOLAR CAR TEAM

SANA 3 | SAUDI ARABIA **NO. 89**

The team has previously participated in the 2019 and 2025 Bridgestone World Solar Challenge events. Their latest car builds on past innovations with a less conventional body shape and advanced in-house developed components, including the motor, battery system, and full vehicle structure. Designed for lateral stability and improved aerodynamics in side winds, the vehicle also features cutting-edge battery, motor, and solar technologies. BWSC offers the team a chance to push their limits, test their ideas in real-world conditions, and compete alongside top engineering teams—driving creativity, precision, and continuous improvement.

ECLIPSE ÉTS

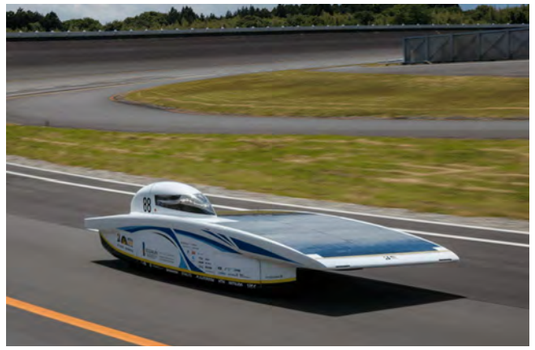
ECLIPSE 12 | CANADA **NO. 92**

Founded in 1992, Eclipse ETS has over 30 years of experience designing and racing solar cars. After placing 9th in 2019 and 10th in 2025, the team returns for its sixth Bridgestone World Solar Challenge, aiming to build on past success. Every design choice is backed by performance analysis, with most mechanical and electrical components manufactured in-house. Combining precision engineering with visual elegance, Eclipse's solar car reflects both technical excellence and French-Canadian identity. As students from ÉTS, they form a multidisciplinary team passionate about sustainable transport. For Eclipse, BWSC is the ultimate test of innovation, teamwork, and pride in representing Quebec on the global stage.

ACENTAURI

SILVRETTA | SWITZERLAND **NO. 85**

The team made their debut in the 2023 Bridgestone World Solar Challenge and returns in 2025 with a completely redesigned, bullet-shaped car. Building on the lessons from their first vehicle, Aletsch, the new car features major aerodynamic improvements and a sleek, professional livery for a strong visual identity. With a narrow track and small frontal area, it delivers high aerodynamic efficiency while remaining stable in all conditions. The car's unique carbon fiber monocoque chassis and integrated rollover hoop, showcase innovative engineering. Above all, the project is driven by strong collaboration and a passion for learning. For the team, BWSC is more than a challenge—it's a once-in-a-lifetime opportunity to grow, connect, and be part of a global solar car community.



KOGAKUIN UNIVERSITY SOLAR TEAM

CYGNUS | JAPAN **NO. 88**

The team has competed in the Bridgestone World Solar Challenge six times, consistently aiming to build a strong and competitive solar car. Their latest design focuses on reducing weight, improving stability, and enhancing both maintainability and control. With the challenge being held in August, when solar generation is lower, they have expanded the panel area to six square metres. A catamaran-style body was chosen to reduce the venturi effect between the solar array surfaces. Beyond the challenge, the team is committed to developing future talent—fostering a deep understanding of engineering and preparing students to contribute meaningfully to society.

SOLIS UTCN

HYPERION | ROMANIA **NO. 99**

Solis made its Bridgestone World Solar Challenge debut in 2025 and returns in 2025 with its most advanced vehicle yet. Designed for maximum speed and efficiency, this lightweight, aerodynamic car showcases the team's signature Solis blue and reflects their commitment to performance and sustainability. With record energy efficiency, the car brings the team closer to its mission of promoting sustainable engineering and proving the capabilities of dedicated students. Representing Romania on the world stage, Solis sees BWSC as the ultimate opportunity to inspire, innovate, and demonstrate that meaningful impact is possible through student-driven solutions.

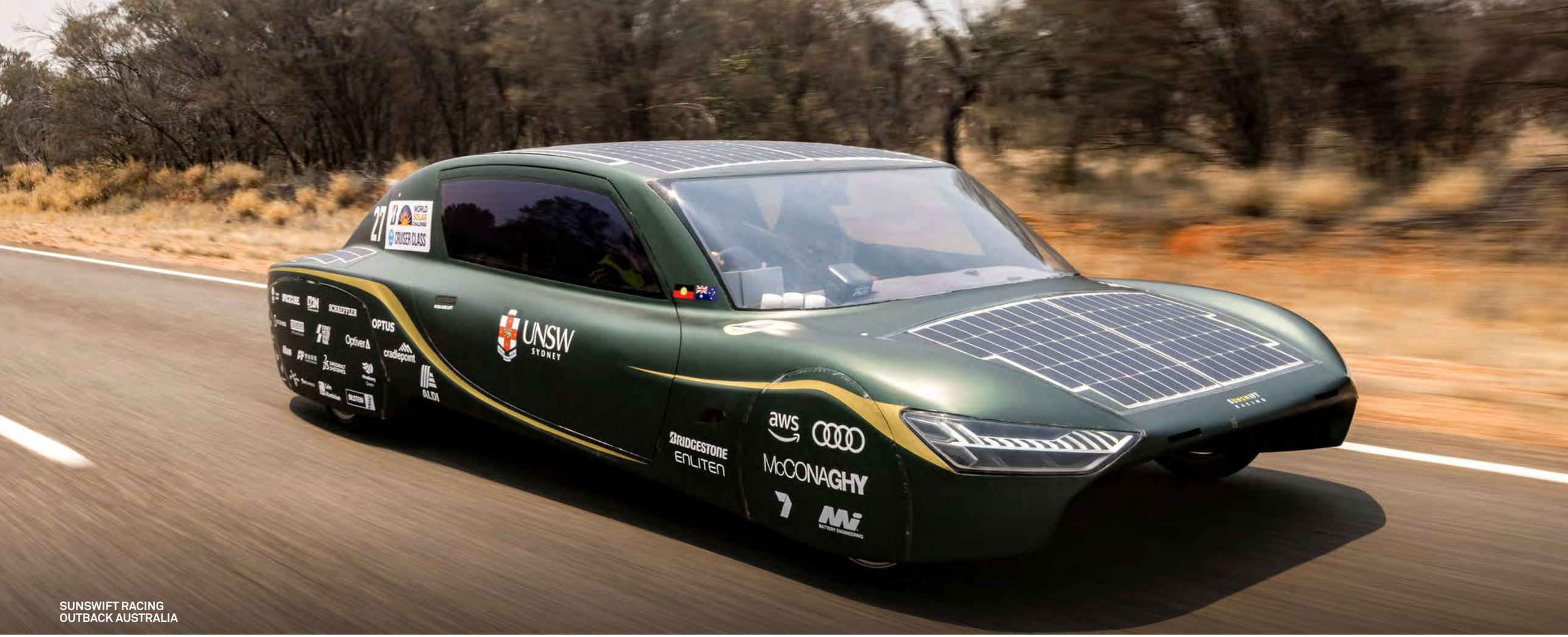
"WE WILL SHOOT OUR BEST FRIENDS THROUGH TIME AND SPACE AT 100 KILOMETRES PER HOUR ... WE WILL PLOUGH THROUGH GUSTS EXCEEDING THE VEHICLE'S GROUND SPEED AND PAST ROAD TRAINS GOING OUR SPEED IN THE OPPOSITE DIRECTION... AT TIMES, WE WILL BE HUNDREDS OF MILES FROM THE NEAREST CIVILIZATION... AND THIS YEAR, WE WILL HAVE TO DO ALL THIS WITH 20% LESS SUN... WITH A BATTERY SO SMALL IT CAN BARELY POWER YOUR TOASTER OVEN FOR TWO HOURS.

IT'S FAR FROM IMPOSSIBLE, BUT IT WILL BE THE CLOSEST THING TO IMPOSSIBLE EACH OF US HAS EVER DONE.

FORTUNATELY, WE DRIVE SOLAR CARS NOT BECAUSE IT'S EASY BUT BECAUSE IT'S HARD. WE DARE TO RACE NOT BECAUSE WE'RE ENGINEERS BUT BECAUSE WE'RE ROMANTICS."

MATTHEW ANDERSON
TEAM MANAGER | UNIVERSITY OF MICHIGAN SOLAR CAR TEAM

OUTBACK AUSTRALIA



SUNSWIFT RACING
OUTBACK AUSTRALIA

CRUISER CLASS

DRIVING GREEN TO THE MAINSTREAM

The Cruiser competition was created to encourage 'green to the mainstream' concept cars kitted out with innovative, sustainable, and potentially practical features that could find their way into real-world design. A proving ground for real-world outcomes, the Cruiser Class was first introduced in 2013 to offer teams the option to commit to a car built for more than speed. Teams in this class employ practical designs, advanced technology, and materials to power cars more sustainably on renewable energy. Team members from Eindhoven (four-time winners of the Cruiser Cup), took the ambitious journey to deliver the world's first production solar car before moving their focus to vehicle-Integrated Photovoltaics (VIPV). As the technology continues to evolve, several manufacturers have integrated solar panels to cars and other vehicle types to help extend range or battery charge.

STATS

Max Length	5.8m
Max Width	2.3m
Max Height	1.65m
Max Solar Array	Unrestrcited
Compulsory Seats	2 (1 Driver + 1 Passenger)
Min number of wheels	4
Stages	3 *1 Darwin to Tennant Creek* *2 Tennant Creek to Coober Pedy* *3 Coober Pedy to Adelaide*

CSIRO CRUISER CLASS TEAMS

NO.	TEAM NAME	CAR NAME	COUNTRY, ECONOMY, REGION
11	**Sunswift Racing**	SUNSWIFT 7	AUS
24	**Archimede**	Thalia	ITL
25	**VTC Solar Car Team**	Sophie 8X	HKG
35	**University of Minnesota Solar Vehicle Project**	Gaia	USA
59	**Onda Solare**	Emilia 5.9	ITL
66	**Solaride**	Solaride III Enefit	EST
67	**Deakin University Solar Team (DUST)**	DUST	AUS
95	**Apollo Solar Car Team**	Apollo IX Plus	TWN

WHAT CAN WE EXPECT IN 2025?

The Cruiser Class, which saw teams fail to finish in 2023, is set for a shakeup. This year, Cruiser Class Design Judging will occur in Darwin and include time incentives for sustainable, marketable, smart design features. For the first time, Cruisers will compete in a single stage, with the winner taking line honours in Adelaide. All vehicles will carry two occupants, and overnight recharging will be more flexible, forming a key part of team strategy. Cruiser Class Competition Vehicles must be designed to be powered by renewable energy but may be recharged from non-renewable sources if renewable sources are not available.

SUNSWIFT RACING

SUNSWIFT 7 | AUSTRALIA **NO. 11**

Sunswift has competed in the Bridgestone World Solar Challenge (BWSC) 12 times and has been part of the Cruiser Class since its inception. Their latest vehicle, Sunswift 7, prioritises efficiency through holistic optimisation across mechanical, electrical, and solar systems. With a drag coefficient of 0.095 and rolling resistance of 0.1, the car delivers impressive mechanical performance while maintaining a focus on roadworthiness and practicality. The BWSC offers Sunswift a platform to demonstrate its technological advancements and test innovations aimed at progressing electric vehicle development. As an Australian team, Sunswift values the chance to engage with international engineering students and share in the collaborative spirit of the event.

ARCHIMEDE

THALIA | ITALY **NO. 24**

Archimede is a newly formed team making its debut at the Bridgestone World Solar Challenge. In just over a year, they've developed a solar car that blends sustainability, innovation, and performance. Covered in high-efficiency solar panels and built with lightweight materials like carbon fibre and aluminium, the car is designed for both competition and future scalability. For Archimede, the BWSC is a testbed for their engineering solutions and a key step in their growth as a startup. The team looks forward to the challenge of the Outback and the chance to share their vision for a cleaner, solar-powered future.

VTC SOLAR CAR TEAM

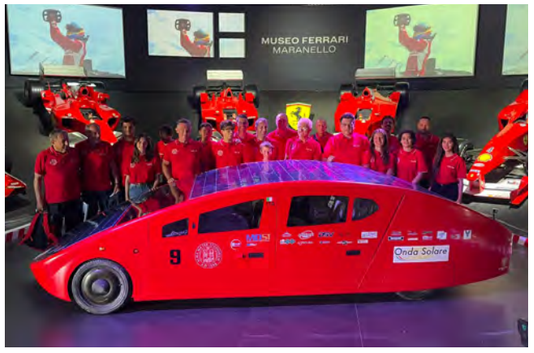
SOPHIE 8X | REGION OF HONG KONG **NO. 25**

Since 2013, the team has competed in the World Solar Challenge five times, earning third place in the Cruiser Class in 2019. Their solar car reflects a commitment to zero-carbon energy and transportation, combining high-efficiency solar cells with an ultra-lightweight carbon fibre chassis. Notably, it is the first and only solar vehicle legally approved for public roads in Hong Kong — a milestone that highlights the team's engineering excellence. They're especially eager to connect with top global students, share innovations, and collaborate on the future of sustainable transport.

UNIVERSITY OF MINNESOTA SOLAR VEHICLE PROJECT

GAIA | UNITED STATES OF AMERICA **NO. 35**

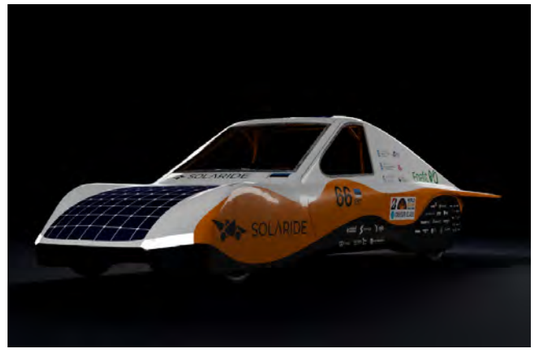
The University of Minnesota Solar Vehicle Project has competed in the World Solar Challenge six times, consistently racing in the Cruiser Class since 2013 and finishing second in 2025. Their focus is on building practical, reliable vehicles with student-designed components, including custom-built motors and integrated features like Apple CarPlay. As the only Cruiser team to compete in both BWSC and the American Solar Challenge, they embrace the challenge of international competition and logistics. The team looks forward to returning to Australia, sharing their passion for solar racing, and connecting with top teams from around the world.



ONDA SOLARE

EMILIA 5.9 | ITALY **NO. 59**

The team has participated in the event four times, first in 2005 at the World Solar Cycle Challenge where they placed third, and again in 2011, 2013, and 2019. Their latest vehicle, Emilia 5, reflects a design philosophy rooted in university-led innovation, combining student and research contributions to prioritise energy efficiency, lightweight construction, and the use of recyclable materials. Every component is custom-built in-house, allowing for full control over performance and sustainability. For the team, the Bridgestone World Solar Challenge is the ultimate test of their work and passion, and they look forward to competing, learning, and exploring Australia's unique landscapes.



SOLARIDE

SOLARIDE III ENEFIT | ESTONIA **NO. 66**

Solaride III marks the team's second entry in the Bridgestone World Solar Challenge, following a third-place finish in the 2025 Cruiser Class. Designed with safety, reliability, efficiency, and practicality in mind, the car is built to withstand the harsh Australian outback while offering a comfortable ride. The team unites students from six leading Estonian universities, blending engineering, design, and business expertise. BWSC provides a platform to test their innovation against the world's best, and they're excited to take on the challenge while experiencing the unique landscapes of Australia.

DUST - DEAKIN UNIVERSITY SOLAR TEAM

DUST | AUSTRALIA **NO. 67**

The Deakin University Solar Team (DUST) returns to the Bridgestone World Solar Challenge for the second time, following its debut in 2025 under the name ASCEND. Their 2025 entry, the self-titled vehicle DUST, is designed to demonstrate the real-world potential of solar-powered cars, blending sustainability, performance, and practicality. With a focus on weight reduction, in-house battery development, and aerodynamic efficiency, DUST reflects the team's growth and ambition under the updated Cruiser Class rules. Comprising students from diverse disciplines and backgrounds, the project offers hands-on experience and a chance to showcase Deakin's strengths in innovation, design, and engineering.

APOLLO SOLAR CAR

APOLLO IX PLUS | ECONOMY OF TAIWAN **NO. 95**

The team has participated in the Bridgestone World Solar Challenge seven times since 2003, most recently in 2025. Their latest vehicle, Apollo IX, focuses on developing a commercially viable urban solar electric vehicle, integrating low drag design, advanced solar cells, recycled materials, and enhanced safety systems. Built with commercialization in mind, Apollo IX blends energy efficiency, mass producibility, and innovative aesthetics. As the world moves toward net-zero emissions, the team sees BWSC as more than a competition—it's a platform to validate their technology, exchange knowledge, and contribute to the future of sustainable mobility.

FAST - FLINDERS UNIVERSITY AUTOMOTIVE SOLAR TEAM
OUTBACK AUSTRALIA

WELCOME FROM THE LORD MAYOR, CITY OF ADELAIDE

THE BRIDGESTONE WORLD SOLAR CHALLENGE IS RETURNING TO ADELAIDE!

Adelaide will come alive with the excitement of welcoming the Bridgestone World Solar Challenge back into the city this year.

As our state moves towards a renewable energy future, we love to see these solar-powered vehicles cross the finish line in Victoria Square/Tarntanyangga again.

Thirty-seven teams from 18 countries will travel 3,000 kilometres from Darwin to Adelaide, powered not by petrol or diesel, but by sunlight and sheer ingenuity.

Along the way, they'll pass through some of Australia's most iconic regional towns, turning heads as they glide across the outback in silent, sleek and futuristic machines.

This isn't just a challenge: it is a reminder of what's possible when you bring young minds, world-class engineering, and a commitment to sustainability together.

The City of Adelaide shares that commitment. As the first council in South Australia to power all its operations, including libraries, community centres, electric vehicle chargers and Adelaide Town Hall, with 100% renewable electricity, we know the importance of leading by example.

While we're not yet seeing solar cars in every driveway, the people competing in this challenge are undoubtedly shaping the future of transport, which is why we've proudly supported the Bridgestone World Solar Challenge since its inception in 1987, and why we continue to champion it today.

Good luck to all competitors and thank you for inspiring Adelaide and the world. We look forward to cheering you across the finish line.

HON DR JANE LOMAX-SMITH
Lord Mayor
City of Adelaide

SOLAR TEAM TWENTE
ADELAIDE, FINISH LINE

ALL THE ADELAIDE ACTION

Visit the **Bridgestone World Solar Challenge Village** this August and celebrate teams from around the world, as they complete their 3,000km adventure from Darwin.

Connect with teams and volunteers, hear about their adventures, get up close to the cars, test drive an EV and more!

BRIDGESTONE WORLD SOLAR CHALLENGE VILLAGE

THURSDAY 28 TO SUNDAY 31 AUGUST
9AM-5PM
VICTORIA SQUARE / TARNTANYANGGA

THE BRIDGESTONE HUB

THURSDAY 28 TO SUNDAY 31 AUGUST 9AM-5PM
VICTORIA SQUARE / TARNTANYANGGA

Experience the emotion and excitement of the event with a multimedia experience and the opportunity to get up close to the winning cars of both classes. Learn more about the values of the Bridgestone E8 Commitment, and why the BWSC is so significant to sustainable motorsport and the future of sustainable mobility.

EXPERIENCE ADELAIDE FINISH LINE

THURSDAY 28 TO SATURDAY 30 AUGUST 9AM-5PM
VICTORIA SQUARE / TARNTANYANGGA

Witness the team excitement and celebration as they cross the Experience Adelaide Finish Line after a 3,000-kilometre adventure from Darwin.

Stay across BWSC social channels to find out when the first cars will arrive in Adelaide. Faculty calculations predict the first solar car will arrive Thursday morning, but it's all up to the teams as the road to Adelaide can be challenging and unpredictable!

Teams will continue to arrive across Thursday, Friday and Saturday.

BWSC STREET PARADE

SUNDAY 31 AUGUST 3.00PM
VICTORIA SQUARE / TARNTANYANGGA

Catch one last look at the 2025 teams as they depart the Village, celebrating the end of another successful BWSC. Watch teams from across the world, celebrating the end of an epic Aussie adventure.

Visit worldsolarchallenge.org for the full parade route.

OFFICIAL BWSC AWARDS CEREMONY

SUNDAY 31 AUGUST 5.30PM-8.30PM
ADELAIDE CONVENTION CENTRE

The perfect close to the 2025 BWSC as teams, faculty, event staff and volunteers come together to celebrate their achievements and reflect on the epic adventure from Darwin to Adelaide but also team work, camaraderie and innovation.

Members of the general public are also welcome to purchase tickets and attend.

Tickets include a complimentary drink and light canapés on arrival with additional beverages available for purchase. Tickets are $45.00 and can be purchased online prior, visit worldsolarchallenge.org for details.

INNOPTUS SOLAR TEAM
ADELAIDE, VICTORIA SQUARE

RAA EV DRIVE EXPERIENCE

FRIDAY 29 AUGUST TO SUNDAY 31 AUGUST
VICTORIA SQUARE / TARNTANYANGGA

After exploring the BWSC Village and seeing this year's competition vehicles, visit the RAA EV Drive Experience to view and test drive the latest electric vehicles.

Thanks to RAA, Eagers Automotive Group and Smart, the RAA EV Drive Experience returns in 2025 offering South Australians the chance to explore one of the largest, in-market, electric vehicle displays in Adelaide, and test drive 14 of the very latest EVs in the Australian market as part of the 2025 Bridgestone World Solar Challenge.

RAA's EV and energy experts will also be on hand at the RAA EV Drive Experience marquee to talk about home solar and battery systems and home EV charging solutions, while Smart will be able to assist you explore the latest EV novated lease deals.

Test drive spaces are limited. To book your test drive, visit worldsolarchallenge.org/2025-raa-ev-drive-experience.

DATE	TIME
Friday 29 August	9:30am to 3:30pm
Saturday 30 August	9:00am to 3:30pm
Sunday 31 August	9:00am to 2:30pm

BOOK NOW

EV DRIVE EXPERIENCE NAMING RIGHTS PARTNER
RAA

ELECTRIC VEHICLE PARTNER
eagers automotive

EV NOVATED LEASING PARTNER
Smart

RAA

RAA EV Drive Experience

Friday 29 August - Sunday 31 August

Victoria Square/Tarntanyangga, Adelaide

South Australia's largest electric vehicle charging network

With more than 140 charging sites and 550 plugs now installed across the state, you're never far from an RAA Charge.

www.raa.com.au/charge

RAA Charge

THE SIMPLE PLEASURES OF SOUTH AUSTRALIA

Slow down and soak up the richness of everyday. It's a treasure quietly shaped over time. A place where days flow naturally, moments are savoured, and ancient landscapes meet new ways of being.

[01] Port Elliot

Whether it is a full plate of local flavours, music that fills the night air, or the calm of nature's embrace, right here is where you can pause and embrace what's in front of you.

[02] Coorong.Life

YOUR LOCAL GUIDE TO SOUTH AUSTRALIA

[01] Port Elliot Beach, Fleurieu Peninsula
[02] Coorong.Life, Murray River, Lakes & Coorong
[03] Ngeringa, Adelaide Hills

South Australia has clocked the art of living well. Where a million little moments come together to make every day truly good, and the best things aren't rushed, they're savoured 'til the last drop. Whether you find yourself in a cellar lit by candlelight, retelling the day between pours, or standing in our national parks enveloped in ancient wonders and looking out to cobalt blue oceans brimming with sea life. South Australia is an invitation to switch off without missing a thing.

Adelaide Hills

In the Adelaide Hills, wine pours freely, locally foraged produce moves quickly from hand to mouth and fingers stained with today's feast point out tomorrow's plans in the clouds.

[03] Ngeringa

Take your time to dine at **Sidewood Estate**, where the waitress lingers a little longer, taking you through their seasonal menu. Or a little further up the road is the home to world-famous skin-care range **Jurlique**, where you can tour their unique biodynamic farm and pick your own fresh botanicals to craft your own special blend. Before you leave, take a moment to bask in the sun and surround yourself with nature at the **Mount Lofty Botanic Garden**, where you will find 97 hectares of sculpted landscapes, walking trails, and mirror-like lakes unfold. A place that offers a surprise through every season.

Fleurieu Peninsula

This is where you wind through the hills and pass neat rows of vines and paddocks that stretch into the distance. As the road crests, the ocean appears, deep blue neatly boarding the vibrant green farmland. The land and sea don't just sit side by side – they work together. You'll taste it in the way the grapes ripen slowly, thanks to the sea air or how the seafood lands on plates within hours of being caught.

Discover a menu designed for sharing at **Pearl**, where both the food and views leave you feeling full in more ways than you expect. **Muni** is where you'll find carefully crafted yet bold, Asian-inflected flavours and a natural wine list worth taking your time to explore. Take the coastal route and feel the wind in your hair on our **Coast to Vines Rail Trail** bicycle tour, a 37km journey that winds through rolling vineyards, with cellar doors along the way inviting you to pause for a glass of something special.

Murray River, Lakes and Coorong

Water is the heart of the Murray River, Lakes and Coorong with its bends leading to starlit nights, quiet wetlands and stories told by campfire. This is where the region invites you to slow down and soak up the richness of every day. Stroll through ancient red gum forests and floodplain wetlands during the day or move with the Murray on an **Unforgettable Houseboat** by night as you listen to the local wildlife harmonise. Step into the past and witness the transformation from a bustling butcher shop to a thriving craft distillery at **Roylancer Distillery Co.** Or soak in the towering ochre cliffs and join a **Ngaut Ngaut Aboriginal Site** tour where you will experience Aboriginal culture as you journey through ancestral home of the Nganguraku People.

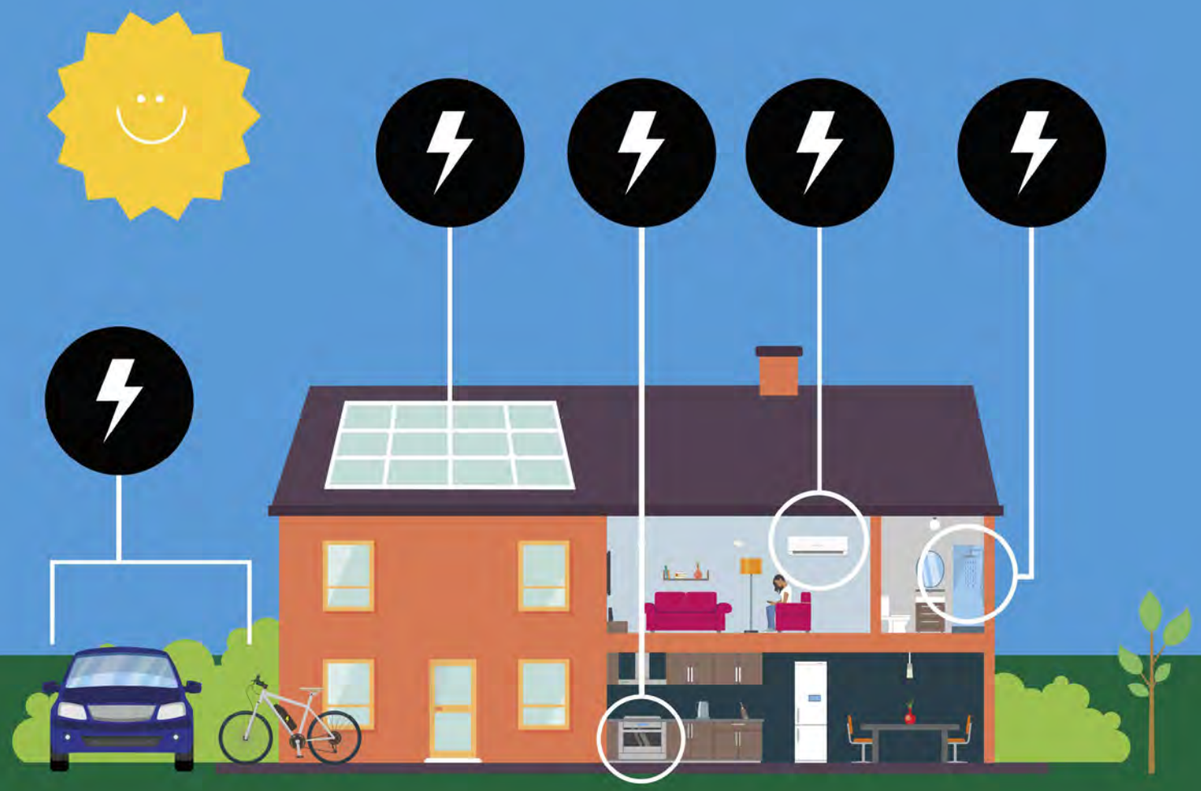
From a quiet glass raised as the sun sets in the Adelaide Hills to the gentle ocean spray of the Fleurieu Peninsula, South Australia brims with moments that invite you to look closer and stay longer.

Experience the simple pleasures in South Australia, visit southaustralia.com to find out more.

The future is here.
Go electric!

Join the movement towards a sustainable energy future by transitioning your home to all-electric power! Make a go-electric plan towards a sustainable future for ourselves and generations to come!

cityofadelaide.com.au/go-electric



Bridgestone World Solar Challenge proudly supported by

CITY OF ADELAIDE

Proud sponsor of the Bridgestone World Solar Challenge

WORLD SOLAR CHALLENGE

Smart™

There's never been a better time to get into an **EV**, and with a **novated lease** from **Smart™** you could **save thousands** each year.

Scan me

Visit **smart.com.au** or speak to our friendly Smart team at the RAA EV Drive Experience to find out more about novated leasing.

TEAM SONNENWAGEN
OUTBACK AUSTRALIA, STUART HIGHWAY

CAMPING
OUTBACK NORTHERN TERRITORY

THE BEST PLAN B IS TO HAVE AN **EXCELLENT PLAN A!**

2025 FACULTY

EMERITUS PROFESSOR JOHN STOREY - CHIEF SCIENTIST

FOUNDING MEMBER | 6 EVENTS

John competed in the first World Solar Challenge in 1987 as a member of "Team Marsupial". He has not missed an event since, acting first as a technical scrutineer and, more recently as, an inaugural member of the Scientific Faculty. Following his 1993 book "Solar Racing Cars" (with Ant Schinckel and Chester Kyle), he co-wrote "Speed of Light", an analysis of the 1996 WSC and summary of the then state-of the-art in solar car technology. John's background includes a PhD in chemistry and over 30 years as professor of physics. His research interests have included the development of astronomical instrumentation and kilowatt-scale autonomous power systems for remote Antarctic stations and field camps. He lives on an isolated rural property near Canberra, completely off grid, and drives an EV – also charged from solar panels.

For John the highlight of every event is meeting and talking with the brilliant young students in each team. It gives him hope that maybe the planet does have a future, after all.

PAUL GWAN

FOUNDING MEMBER | 6 EVENTS

Paul has been involved with the World Solar Challenge since 1996 when he was instrumental in developing the CSIRO in-wheel solar car motor. What is most exciting is that now a large contingent of contestants are using the 98% super-efficient motor. Paul held the position of Chief Scrutineer through to and including the 2019 Bridgestone World Solar Challenge, with his role being to confirm that the solar cars that had entered the challenge met the relevant regulations.

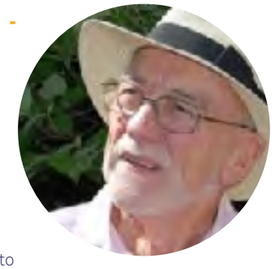
DR JOHN K WARD - CHIEF SCRUTINEER

FOUNDING MEMBER | 6 EVENTS

John has been a volunteer since the 2005 World Solar Challenge. For his `day job' he works for CSIRO, where he leads the Energy Systems research programme, tackling the challenges of integrating large amounts of intermittent renewable energy into Australia's electricity networks. As with solar cars, this means carefully balancing generation, loads and energy storage, just on a slightly larger scale. John also leads Australian international collaborations in power systems, including through the International Energy Agency and Clean Energy Ministerial, and is keen to find ways to collectively learn from and share progress on global energy transition challenges. He brings this experience to the technical faculty and scrutineering process.

DR DAVID RAND AM DSC FTSE - CHIEF BATTERY SCIENTIST

FOUNDING MEMBER | 6 EVENTS



David was invited to formulate the battery regulations for the inaugural World Solar Challenge in 1987. He has served as the Battery Technical Officer, and later as the Chief Energy Scientist, for all events to date. The innovations on display in the World Solar Challenge are at the heart of all electric vehicles, whether they be powered by batteries alone or by hybrid engines. This is why the particular emphasis that the World Solar Challenge places on setting technical regulations that always enable teams to use cutting-edge batteries in real-life operating conditions is so important. With the performance of various battery chemistries steadily improving, David's role is to revise the regulations, each event, to reflect evolving conditions. This is a challenge David relishes. There is strong evidence that the battery lessons learnt from the World Solar Challenge have contributed to the automotive industry's efforts to reduce its carbon footprint through progressive electrification of road vehicles.

DR PETER PUDNEY - CHAIR OF THE TECHNICAL COMMITTEE

FOUNDING MEMBER | 6 EVENTS

Peter first became involved in the World Solar Challenge in 1993, when he was asked by the Aurora Vehicles Association to help them determine the best way to manage their energy system. He joined Aurora for the 1993 event and was hooked. From 1996 until 2009 he was the race manager and strategist for Aurora, except for 2007 when he drove the route with a small green electric car called Trev. Aurora won the event in 1999. Peter completed his PhD, "Optimal energy management for solar-powered cars", in 2000. He helped design and build cars with Aurora, the South Australian Solar Car Consortium and the ATN Solar Racing Team. In 2011 Peter was asked to be a Judge for the event, and since then he has chaired the Faculty.

DR DAVID SNOWDON- CRUISER CLASS MANAGER

FOUNDING MEMBER | 10 EVENTS

David has been involved with the World Solar Challenge since 1999, initially as a participant with the UNSW team. He likes to consider the problems posed to the Faculty through the teams' lens. David founded Metamako, the leading supplier of networking hardware specifically for the financial trading industry. Metamako was acquired by Arista Networks, a large Silicon Valley based datacentre switching company. Following his tenure at Arista, David consults and advises startup companies including MP Space, building batteries for Satellites, and Timebeat, building innovative clock synchronisation solutions.

A UNIQUE ASPECT OF THE BRIDGESTONE WORLD SOLAR CHALLENGE IS ITS FACULTY OF TECHNICAL EXPERTS AND ALUMNI. DRAWN TOGETHER AS AN 'ADVISORY BOARD', THIS COLLECTIVE OF KNOWLEDGE AND EXPERIENCE HELPS TO HELP DEVELOP REGULATIONS AND PROCEDURES ENCOURAGING PARTICIPANTS TO CHALLENGE THE STATUS QUO AND INSPIRE INNOVATION.

Faculty members can be found helping to resolve intricate technical questions in the scrutineering hall and advising Officials on issues of compliance along the route. Although the Faculty was formalised in 2007, for some members, involvement in the World Solar Challenge goes back to the very first event in 1987.

BART DE MOITIÉ

FACULTY | 3 EVENTS

Bart has been involved with the World Solar Challenge since the 2011 event, where he was the Head of Mechanics for the Umicore Solar Team. After having completed the challenge successfully he decided to "switch sides" and join the next event as a volunteer. In the following events he fulfilled the roles of Observer, Scrutineering Assistant and Competitor Relations Officer. Somewhere in between he joined the 2014 Sasol Solar Challenge in South Africa as the Lead Observer. After the 2017 Bridgestone World Solar Challenge he joined the Scientific Faculty as the youngest and first European member.

"I love seeing the teams come up with innovative solutions to the various challenges we present to them every event. We do not make it easy, but they rise to the challenge and it great to see."

DR KIRSTY VEALE

FACULTY | 2 EVENTS

Solar racing has been a significant part of Kirsty's life since 2011, when they began competing locally in South Africa and later in Australia. The thrill of developing cutting-edge technology within this unique environment is a passion that's hard to match. Kirsty joined the BWSC faculty after being inspired by the solar racing world and the remarkable technology, teamwork, and adventure it involves.

The transition from competitor to Faculty allows Kirsty to shift focus from racing to helping shape the next generation of solar racing teams. In this role, they will be responsible for setting regulations that challenge both the competitors and the evolving technology, all while ensuring safety remains a priority. Kirsty's main area of expertise lies in vehicle mechanics and simulation, and this year, they're particularly excited to see how teams adapt to the challenges posed by limited sunlight and new regulations, all while maintaining their competitive edge.

CHRIS SELWOOD AM

FACULTY AND EVENT AMBASSADOR | 6 EVENTS

Bridgestone World Solar Challenge Event Ambassador, Chris Selwood AM, is an electrical engineer by training, but he has never been one to follow a conventional path. Born in the UK, he spent much of his early working life as a production manager for movies, and later in event management, travelling the world.

DR GLENN PLATT

FACULTY | 3 EVENTS

Glenn Platt is an entrepreneur, technology leader and researcher in the renewable energy and clean technology space. Glenn has spun out several businesses working with solar, batteries and clean technologies, and led the Grids and Energy Efficiency program within CSIRO Energy. Glenn is an adjunct professor at the University of Technology, Sydney. Prior to CSIRO, Glenn worked in Denmark with Nokia Mobile Phones on the standardisation and application of cutting-edge mobile communications technology. Before his time in Denmark, Glenn was employed in an engineering capacity for various Australian engineering consultancies, working on industrial automation and control projects. Glenn is a Vincent Fairfax Fellow, and a recipient of the Australian Financial Review Young Executive of the Year award.

DR FIONA LEVERONE

FACULTY | 2 EVENTS

Currently the CubeDrive Chief Engineer at Dawn Aerospace (Netherlands), Fiona leads the development of cutting-edge green bi-propellant chemical rocket propulsion systems. With a strong background in renewable energy systems, space propulsion, and advanced simulation, she brings strategic insight and deep technical expertise to her role—and to the Bridgestone World Solar Challenge community.

Her journey with the WSC began in 2015 as a driver and co-project manager for the University of KwaZulu-Natal's solar car—the first African team to compete in the Challenge. Now, years later, she is proud to give back by contributing her knowledge and supporting teams as they navigate the complex technical demands of the event. She's inspired by the creativity, innovation, and resilience that define the competition.

KATHERINE CONTROL STOP
UNIVERSITY OF MINNESOTA SOLAR VEHICLE PROJECT

VOLUNTEERS

THE BWSC THANKS THE VOLUNTEERS THAT CONTRIBUTE TO THE DELIVERY AND SUCCESS OF THE EVENT.

Hear from Cameron Tuesley, BWSC alumni and volunteer about his experience with the event and how it shaped his incredible career today! Cameron is now CEO of Integral Technology Solutions, Company Director of Prohelion and Founder of TeamArrow, a premier Australian Solar Electric racing team.

What inspired you to volunteer for the BWSC?

My Solar Car experiences have given me a lot, and I like giving back to the Solar Car community, so volunteering for WSC was really just an extension of that. Plus I'll take any opportunity to travel across the outback again, it's always such an adventure.

What is your connection to the event?

I was one of those kids who got inspired by the dream and went on to get involved.

I think I first heard about the event in the 1980's watching Australian science TV shows at school and many years later, in my mid 30's had a moment of clarity / insanity and wanted to have a go. Without realizing what a challenge it was going to be I founded Team Arrow with two other friends and particpated in the 2013, 2015 (challenger) and 2017 (cruiser) World Solar Challenges. From the 2017 team we founded Prohelion where I am now a company director and support the software team.

Why do you think the BWSC is so important ?

BWSC is such a unique event, but outside of the technology, I think it's very special for a different reason. It's recognized as one of the world's peak engineering / technology challenges, and so it attracts this amazing community of people to one place, at one time, for this unique challenge.

With that community, there are two small parts of BWSC I always find so special, the group BBQ in Hidden Valley and the Belgium Beer Cafe in Adelaide. Because for those little moments in time and that place, it creates the highest concentration of brilliant young minds anywhere on the planet and just to be part of that is always an amazing experience.

This BWSC is important because so much industry, technology, partnership and products have come out of this challenge that may not be directly related to solar cars but came from the people and networks this challenge helped create. The market capitalization of companies founded by former solar car racers (just the ones I know of), is currently over $3 trillion dollars US and includes two of the top 10 companies globally.

So for me what makes this challenge special is not the challenge itself but the opportunity to connect all that intellectual talent for a moment it time because you see the results of it years later.

"THE THING I'M LOOKING FORWARD TO MOST IS THE STARS. IF YOU ARE DRIVING, STOP, LOOKUP, TAKE A MOMENT TO CONTEMPLATE HOW LONG THAT STARLIGHT TOOK TO GET HERE, IT ARRIVED JUST IN TIME FOR YOU TO SEE IT."

The World Solar Challenge is all about the sun, but my favorite bit happens when the sun is not around.

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