

SUNSWIFT RACING

TEAM OVERVIEW SUNSWIFT RACING

UNSW

CAR NAME
SUNSWIFT 7

UNIVERSITY
UNIVERSITY OF NEW SOUTH WALES

LOCATION
AUSTRALIA

WSC CLASS
CSIRO CRUISER

STATIC SCRUTINEERING
PASS



DAILY EVENT RESULTS

	Arrival time	Control stop	Kms from Darwin
Day 1	Oct 22 12:52:16	Katherine	317
Day 2	Oct 23 13:52:04	Tennant Creek	985
Day 3	Oct 24 15:23:58	Alice Springs	1493.486
Day 4	Oct 25 9:39:44	Erlunda	1691.663

HOW MANY TIMES HAS YOUR TEAM PARTICIPATED IN THE EVENT?

Sunswift Racing has participated in the BWSC since 1996, so we have competed in 10 BWSC's.

WHAT IS THE DESIGN PHILOSOPHY BEHIND YOUR SOLAR CAR?

Our approach to designing Sunswift 7 was performance optimisation across all elements with a focus on efficiency, innovation and safety. We wanted Sunswift 7 to not look out of place in a new car showroom proving that you can blend ultimate aerodynamics and style. Since the cruiser class priority is to use the least amount of energy as possible, weight was a significant factor is the design of our car which resulted in a completely carbon fiber monocoque chassis.

WHAT IS UNIQUE ABOUT YOUR SOLAR CAR?

UNSW being the only university in Australia that has adopted the VIP program has allowed our team members to gain course credit for their participation in Sunswift Racing at the undergraduate level. This has created greater levels of collaboration

with many industry technology partners. One example of this collaboration is with Optus as we developed Sunswift 7 to be remotely driven across their 5G network.

WHY DOES YOUR TEAM VALUE PARTICIPATING IN THE BRIDGESTONE WORLD SOLAR CHALLENGE?

The BWSC has been a great event for many years and we are very keen to continue with our tradition of representing Australia in the Cruiser Class category. Being able to collaborate with other likeminded and driven students from around the globe is what a lot of our team are most looking forward to. And of course, putting all of our hard work with Sunswift 7 to the ultimate test.

WHAT IS THE ONE THING YOUR TEAM IS LOOKING FORWARD TO WHEN YOU VISIT AUSTRALIA?

Competing on home soil will be a great experience as we welcome teams from around the world. Travelling to outback Australia is always an adventure and to do it with Sunswift 7 and such an amazing tight knit team will be highlight for everyone.

2023 TEAMS

2: UNIVERSITY OF MICHIGAN SOLAR CAR TEAM (TEAM/VIEW/407-UNIVERSITY-OF-MICHIGAN-SOLAR-CAR-TEAM)

3: BRUNEL SOLAR TEAM (TEAM/VIEW/371-BRUNEL-SOLAR-TEAM)

6: TOP DUTCH SOLAR RACING (TEAM/VIEW/404-TOP-DUTCH-SOLAR-RACING)

7: TEAM SONNENWAGEN AACHEN (TEAM/VIEW/401-TEAM-SONNENWAGEN-AACHEN)

8: INNOPTUS SOLAR TEAM (TEAM/VIEW/366-INNOPTUS-SOLAR-TEAM)

9: ADELAIDE UNIVERSITY SOLAR RACING TEAM (AUSRT) (TEAM/VIEW/364-ADELAIDE-UNIVERSITY-SOLAR-RACING-TEAM-AUSRT)

10: TOKAI UNIVERSITY SOLAR CAR TEAM (TEAM/VIEW/403-TOKAI-UNIVERSITY-SOLAR-CAR-TEAM)

13: TEAMARROW (TEAM/VIEW/402-TEAMARROW)

14: FUTUROSOLARE (TEAM/VIEW/380-FUTUROSOLARE)

15: WESTERN SYDNEY SOLAR TEAM (TEAM/VIEW/412-WESTERN-SYDNEY-SOLAR-TEAM)

18: UITM ECOPHOTON SOLAR RACING TEAM (TEAM/VIEW/406-UITM-ECOPHOTON-SOLAR-RACING-TEAM)

20: DURHAM UNIVERSITY SOLAR CAR (TEAM/VIEW/374-DURHAM-UNIVERSITY-SOLAR-CAR)

21: SOLAR TEAM TWENTE (TEAM/VIEW/394-SOLAR-TEAM-TWENTE)

23: HALMSTAD UNIVERSITY SOLAR TEAM (TEAM/VIEW/382-HALMSTAD-UNIVERSITY-SOLAR-TEAM)

25: VTC SOLAR CAR TEAM (TEAM/VIEW/410-VTC-SOLAR-CAR-TEAM)

27: [SUNSWIFT RACING \(TEAM/VIEW/399-SUNSWIFT-RACING\)](#)

28: AGNIRATH (TEAM/VIEW/365-AGNIRATH)

30: FAST - FLINDERS AUTOMOTIVE SOLAR TEAM (TEAM/VIEW/379-FAST--FLINDERS-AUTOMOTIVE-SOLAR-TEAM)

34: ITU ZES SOLAR CAR TEAM (TEAM/VIEW/385-ITU-ZES-SOLAR-CAR-TEAM)

35: UNIVERSITY OF MINNESOTA SOLAR VEHICLE PROJECT (TEAM/VIEW/408-UNIVERSITY-OF-MINNESOTA-SOLAR-VEHICLE-PROJECT)

37: GOKO HIGH SCHOOL (TEAM/VIEW/381-GOKO-HIGH-SCHOOL)

41: ANU SOLAR RACING (TEAM/VIEW/368-ANU-SOLAR-RACING)

46: JU SOLAR TEAM (TEAM/VIEW/386-JU-SOLAR-TEAM)

49: SIAM TECHNOLOGY MOTOR SPORT (TEAM/VIEW/392-SIAM-TECHNOLOGY-MOTOR-SPORT)

51: CHALMERS SOLAR TEAM (TEAM/VIEW/373-CHALMERS-SOLAR-TEAM)

57: SOLO: SEOUL NATIONAL UNIVERSITY SOLAR CAR TEAM (TEAM/VIEW/397-SOLO-SEOUL-NATIONAL-UNIVERSITY-SOLAR-CAR-TEAM)

61: WAKAYAMA UNIVERSITY SOLAR CAR TEAM (TEAM/VIEW/411-WAKAYAMA-UNIVERSITY-SOLAR-CAR-TEAM)

66: SOLARIDE (TEAM/VIEW/395-SOLARIDE)

67: ASCEND - DEAKIN UNIVERSITY SOLAR CAR TEAM (TEAM/VIEW/400-ASCEND--DEAKIN-UNIVERSITY-SOLAR-CAR-TEAM)

77: BLUE SKY SOLAR RACING (TEAM/VIEW/370-BLUE-SKY-SOLAR-RACING)

80: SUN SHUTTLE TEAM (TEAM/VIEW/398-SUN-SHUTTLE-TEAM)

82: SAITEM (TEAM/VIEW/390-SAITEM)

85: ACENTAURI (TEAM/VIEW/363-CENTAURI)