

UNIVERSITY OF MINNESOTA SOLAR VEHICLE PROJECT

TEAM OVERVIEW

UNIVERSITY OF MINNESOTA SOLAR VEHICLE PROJECT



CAR NAME

GAIA

UNIVERSITY

UNIVERSITY OF MINNESOTA SOLAR VEHICLE PROJECT

LOCATION

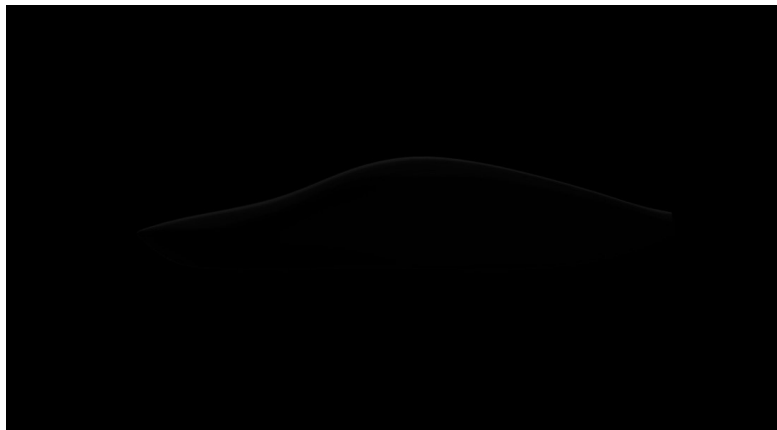
UNITED STATES

WSC CLASS

CSIRO CRUISER

STATIC SCRUTINEERING

PASS



DAILY EVENT RESULTS

	Arrival time	Control stop	Kms from Darwin
Day 1	Oct 22 13:06:51	Katherine	317
Day 2	Oct 23 14:52:11	Tennant Creek	985
Day 3	Oct 24 15:24:07	Alice Springs	1493.486
Day 4	Oct 25 9:48:55	Erlunda	1691.663

HOW MANY TIMES HAS YOUR TEAM PARTICIPATED IN THE EVENT?

We have been to BWSC five times : 1999, 2013, 2015, 2017, and 2019.

WHAT IS THE DESIGN PHILOSOPHY BEHIND YOUR SOLAR CAR?

Above all else, the design of Gaia is an educational endeavor. From designing our motors to encapsulating our own solar cells, UMNSVP aims to minimize outsourcing to provide the richest learning experience possible for our team members. Our designers are encouraged to innovate and create while the team continues its commitment to practicality and reliability.

WHAT IS UNIQUE ABOUT YOUR SOLAR CAR?

Gaia stands apart from many other vehicles in the Cruiser class as it was designed and built entirely by undergraduate students and meets two distinct sets of regulations: that of the Bridgestone World Solar Challenge and the American Solar Challenge. What's more, the design and manufacturing processes used to construct its shell, motors, battery, and many other components set it apart from UMNSVP's past fleet. As we built the 15th car in our team's history, we continued to employ new design and optimization strategies.

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

The Bridgestone World Solar Challenge provides our team with the opportunity to engage with innovation from all over the world. We're excited for the chance to learn and grow from other teams. Solar racing has a longstanding history of teamwork, camaraderie, and sportsmanship, and we're proud to be part of its community.

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

We're most excited to view the wandering wildlife like wallabies and wombats! Australia offers a unique habitat that stands in contrast to much of the rest of the world, and our team has made many road trip games out of spotting them. Let the adventure begin!

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)

88: KOGAKUIN UNIVERSITY SOLAR TEAM (TEAM/VIEW/387-KOGAKUIN-UNIVERSITY-SOLAR-TEAM)