

SOLARIDE

TEAM OVERVIEW SOLARIDE



CAR NAME
SOLARIDE 2

UNIVERSITY
SOLARCAR ESTONIA MT

LOCATION
ESTONIA

WSC CLASS
CSIRO CRUISER

STATIC SCRUTINEERING
PASS



DAILY EVENT RESULTS

	Arrival time	Control stop	Kms from Darwin
Day 1	Oct 22 13:34:49	Katherine	317
Day 2	Oct 23 15:05:26	Tennant Creek	985
Day 3	Oct 24 15:43:47	Alice Springs	1493.486
Day 4	Oct 25 10:22:52	Erlunda	1691.663

HOW MANY TIMES HAS YOUR TEAM PARTICIPATED IN THE EVENT?

This Solaride's debut at the Bridgestone World Solar Challenge. Our team hoped to participate in 2021, but the event was canceled due to the pandemic. Instead, the European teams organized their own event - Solar Challenge Morocco 2021, where Solaride was the sole cruiser class representative.

WHAT IS THE DESIGN PHILOSOPHY BEHIND YOUR SOLAR CAR?

Our three priorities are safety, reliability, and efficiency. Our top priority is ensuring the safety of our drivers at all times. Secondly, we focused on making sure that all the systems in our vehicle were designed to withstand the demanding nature of the race as well as the infamous outback. Thirdly, the use of energy is of utmost importance in the BWSC; that is why being as efficient as possible, and trying to minimize energy losses in every part of our solar car is also on our shortlist of high priorities.

WHAT IS UNIQUE ABOUT YOUR SOLAR CAR?

Compared to our first generation car, we have taken a more "sporty" approach, making Solaride II more reliable and efficient. Some of the features include:

- The body of our vehicle is made of carbon fiber-reinforced plastic and the tube frame from Advanced High Strength Steel.
- To optimize energy efficiency, we've developed an optimal speed controller, which will help us curb any unnecessary energy loss.
- Solaride II features a battery pack designed and built from scratch by our own engineering team; a significant upgrade from Solaride I, which used recycled Tesla battery modules.

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

Solaride's mission goes beyond the BWSC. Estonia faces a severe engineering workforce shortage, with just a small number of students pursuing related studies yearly. By 2030, only 1/3 of the needed engineering positions may be filled across industries. Solaride "gives a damn" and aims to popularize engineering by giving it an interactive platform supported by the Solaride Academy; an interdisciplinary talent incubator program. At the academy, participating students gain practical experience under top mentorship from our partners. The BWSC provides a platform to test our car and showcase the potential of interdisciplinary collaboration.

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

Since we were the only cruiser-class solar car at the Morocco event, we are looking forward to meeting all of the other cruiser solar teams and learning more about the design of their solar cars.

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)