

FAST - FLINDERS AUTOMOTIVE SOLAR TEAM

TEAM OVERVIEW

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CAR NAME
INVESTIGATOR IV

UNIVERSITY
FLINDERS UNIVERSITY

LOCATION
AUSTRALIA

WSC CLASS
CSIRO CRUISER

STATIC SCRUTINEERING
PASS



DAILY EVENT RESULTS

	Arrival time	Control stop	Kms from Darwin
Day 1	Oct 22 13:15:26	Katherine	321.876
Day 2	Oct 23 10:23:20	Dunmarra	632

HOW MANY TIMES HAS YOUR TEAM PARTICIPATED IN THE EVENT?

The Flinders University FAST team have competed twice previously, in 2017 and 2019. Both times in the Cruiser Class.

WHAT IS THE DESIGN PHILOSOPHY BEHIND YOUR SOLAR CAR?

The 2023 FAST vehicle, named Investigator IV, is the fourth in the Investigator line.
Investigator I was built in 1973 and was a two-seat lead-acid/hydraulic-drive vehicle.
Investigator II was a Bedford van.

Investigator III was entered initially in the 2017 event as 3 seat station wagon body.
For the 2019 event, it was revised to a 2-seater fastback sedan-based vehicle.

For 2023, the vehicle has been re-engineered as Investigator IV and is now a true two seat Cruiser Class solar car: designed with practicality, reliability and efficiency as key objectives.

WHAT IS UNIQUE ABOUT YOUR SOLAR CAR?

Seating in Investigator IV, the latest from the FAST stable, is side-by-side as per a typical passenger car, with easy-to-access doors. The body panels have been reduced

in number to only 5 pieces, with the front hinging open. The rear body also hinges as a single piece, with 2 doors and the roof panel. All are easily opened or removed for access and servicing.

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

It requires a great team effort to design and build a durable and suitable road vehicle. Then, the planning, delivery and logistical challenge of 6 days on the road with a vehicle dependent upon the sun is fantastic team building and an opportunity to showcase Flinders University to local and international markets.

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

The FAST team resides in South Australia, so having the opportunity to traverse our nation from North to South; chasing the sun; in a bespoke designed and manufactured vehicle, is an experience few have in their lifetime. It will be a great privilege for all the team members.

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)