

## THE ANATOMY OF AN F50 CATAMARAN

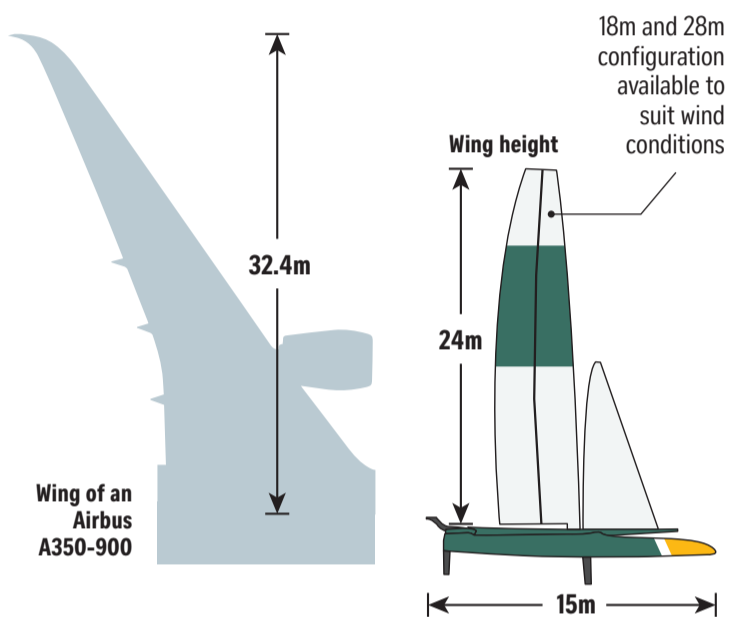
The F50 is a foiling catamaran, a boat that has two parallel hulls of equal size which gives it more stability.



Team New Zealand's F50 Catamaran at the SailGP team technical base ahead of the Singapore Sail Grand Prix.

**Builder: Core Builders Composites**

**COST** US\$4 million each (S\$5.33 million)



Maximum speed limit on Singapore expressways

- Boats are strictly one-design and identical for all teams.
- F50s are being constantly upgraded with changes implemented on all boats at the same time.

## THE CREW

- Since every team have exactly the same equipment, performance is solely based on the skill, teamwork and strategy of the athletes.
- SailGP launched a women's pathway programme in 2021 with the aim of "fast-tracking the development of top female sailors".

**CREW ON BOARD**

**6**

**CREW WEIGHT LIMIT**

**438kg**

### 1 Strategist

- Responsible for looking at the wind.
- Advise on tactical opportunities and steering the boat out of manoeuvres.

### 2 Helmsman

- Make decisions on where the boat goes on the racecourse.
- Communicates the plan to the crew.

### 3 Wing trimmer

- Needs to have a good understanding of how to generate and distribute power on the boat.
- Puts the wing in the right shape to control its power and gain speed.

### 4 Flight controller

- Responsible for keeping the boat in the air.
- Anticipate changes in wind strength and dynamic forces to avoid the catamaran from touching the water and losing its speed.

### 5 Grinders

- Two grinders are positioned at the front of the boat, with one facing forward and the other backward.
- They turn the handle for the winches, which raise and trim the sails and move the boom.

## HULL

The main body of the boat joined by cross-beams and a 'trampoline' platform.

## RUDDER

Used to steer the boat. The F50 rudders have T-foils that raise the back of the boat, ensuring that the boat flies parallel to the water's surface, increasing stability.



## FOIL

Lifts the boat out of the water as speed builds, reducing the drag on the hulls and helping the boat to achieve high speeds.

# WHEN SPEED AND SAILS COMBINE

Currently in its third season, the SailGP Championship will make its Asian debut with the Jan 14-15 Singapore leg at East Coast Park. The Straits Times' Kimberly Kwek and Bryandt Lyn take a look at what you need to know about the event.

## WHAT IS SAILGP?



The SailGP Championship sees teams compete across a series of grands prix, with each event made up of several races.



The season started in **May 2022** and will end in **May**.

**9 teams**

competing this season.



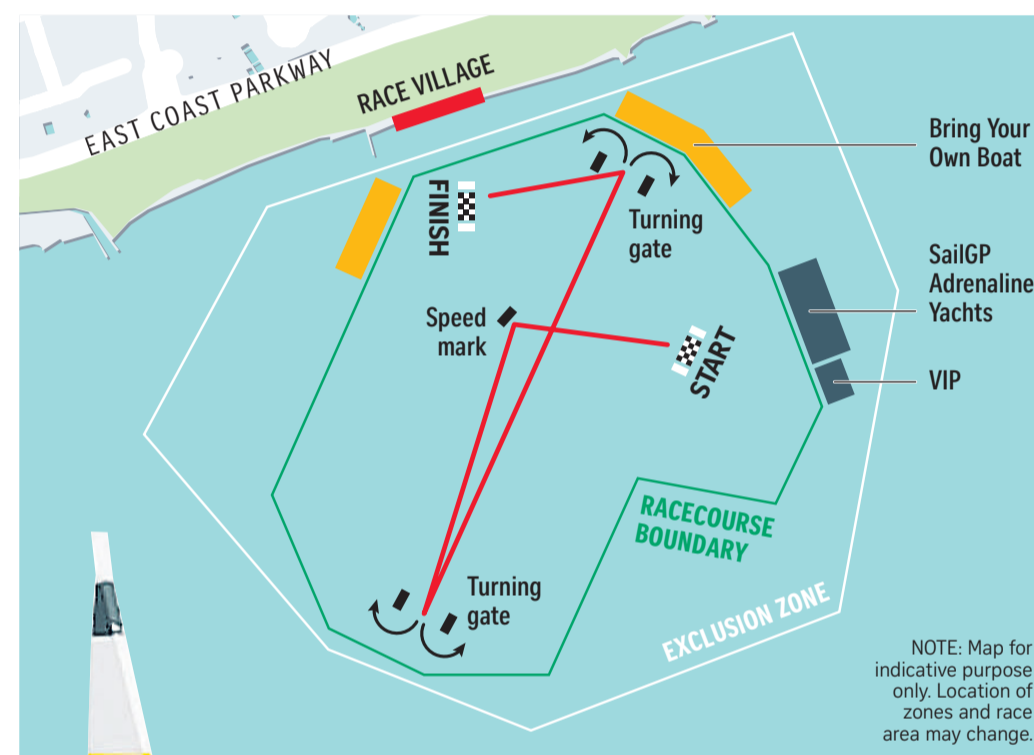
Its reigning champions are **Australia**,

who won their second straight title in the 2021-22 edition.



## SINGAPORE SAIL GRAND PRIX ROUTE

The inaugural Singapore SailGP will take place at East Coast Park. The event will take place across two days, with seven races scheduled for each Sail Grand Prix: six fleet races and the final.



## RULES OF THE RACE



There is no standing start in SailGP, with the entire fleet required to be **inside the starting area** at a set time.



Boats can cross the start line **any time after** the starting signal has been sounded.

**+10**

Points are awarded to each team according to their finishing position.



SailGP fleet races last **approximately 15 minutes** each.



The **three highest-ranked teams** advance to the final.