



What is Extreme E?

Extreme E is a radical new off-road racing series, founded by the same team behind Formula E, which will showcase electric SUVs and futuristic technologies in some of the world's most remote and extreme environments.

This five-event global voyage will utilise its sporting platform for the purpose of promoting electrification, environment, and equality. The series goal is highlight the impact of climate change in some of the world's most remote environments, promote the adoption of electric vehicles to pave the way for a lower carbon future, and provide a world-first gender equal motorsport platform.

The first sport to ever be built out of a social purpose, Extreme E aims to minimise environmental impact, but maximise awareness, racing in places that have already been damaged or affected by climate change, taking fans deep into the heart of the most pressing issues facing our planet's future.

Not only that, Extreme E is also helping the car industry to develop future facing technology using racing as a platform for road innovation, which accelerates change ten-fold.

When and where will Extreme E take place?

Set to commence in early 2021, Extreme E's inaugural season will be staged across five environments: including the Arctic, Desert, Amazon and Coastal locations, selecting places which have already been damaged or affected by climate issues.

Provisional Extreme E Season 1 (2021) calendar:

23-24 January: Lac Rose, Dakar, Senegal
5-6 March: Sharaan, Al-'Ula, Saudi Arabia
14-15 May: Kali Gandaki Valley, Mustang District, Nepal
28-29 August: Kangerlussuaq, Greenland
30-31 October: Santarém, Pará, Brazil

As well as demonstrating the performance and capabilities of cutting-edge electric SUVs racing across these harsh terrains in formidable conditions - Extreme E will also work closely with its Scientific Committee of experts in each region to raise global awareness and education for the specific issues each environment faces, such as rising carbon emissions, melting ice caps, deforestation, desertification, droughts, plastic pollution and rising sea levels.

What is the sporting format of Extreme E?

The series has devised an innovative format unlike any other, likened to 'Star Wars Pod racing meets Dakar Rally', which is designed to display short, sharp wheel-to-wheel racing action. Each race, which will be known as an X Prix, will incorporate two laps over a distance of approximately 16 kilometres. Four teams, with two drivers – one male, one female – completing a lap apiece in-car, will compete head-to-head in each race over the two-day event. Each driver will complete one lap behind the wheel of the ODYSSEY 21 electric SUV, with a changeover incorporated into the race format, and it's up to the teams to determine driver and co-driver to best suit their strategy.

Another innovative feature of the race will be the Hyperdrive. This will award an additional boost of speed to the team who performs the longest jump on the first jump of each race. Hyperdrive power can be used by that team at any point in the race.

Qualifying takes place on day one to determine the top four runners who will progress through into Semi-Final 1 and the bottom four competitors who will go on to take part in Semi-Final 2: the unique 'Crazy Race'.

The crazy race will be a tooth-and-nail, all-or-nothing fight, with only the quickest team progressing into the Final, while the top three will make it through from Semi-Final 1. The winner of the Final – the fastest combination of team, drivers, car and engineers over the epic two-day battle – will then be crowned the X Prix Winner.



What vehicle will the teams compete in?

The championship car is a fully electric SUV, named ODYSSEY 21. In order to withstand the harsh conditions, the car's peak 400kw (550hp) output is capable of firing the 1650-kilogram, 2.3-metre wide electric SUV from 0-62mph in 4.5 seconds, at gradients of up to 130 percent.

Each vehicle comprises a common package of standardised parts, manufactured by Spark Racing Technology with a battery produced by Williams Advanced Engineering. This encompasses a niobium-reinforced steel alloy tubular frame, as well as crash structure and roll cage, whilst tyres, built for the extreme conditions are designed by founding partner Continental Tyres.

For Season 1, teams have the choice to use Extreme E bodywork, use their own, or work with an OEM so they can put road-going bodywork on the common chassis, in order to utilise the platform to speak directly to the consumer market.

What is the environmental impact of the series?

Extreme E is committed to having a net-zero carbon footprint by the end of its first Season, alongside the foundation of legacy initiatives at each destination on its calendar which help protect ecosystems impacted by climate change.

The journey to net-zero includes reducing, measuring and offsetting the emissions of the series.

Audiences will be invited to tune into the action remotely through global broadcast and social media channels rather than attend the events in person, and wherever possible, gates, branding and other usual track features will be implemented virtually rather than physically.

Marking a world-first, Extreme E is collaborating with AFC Energy to use its pioneering hydrogen fuel cell technology to charge its race cars using zero emission energy. Extreme E is the first event organiser to utilise hydrogen fuel cell power generators for charging. This innovative system uses water and sun to generate hydrogen power. Not only will this process emit zero greenhouse emissions, its only by-product will be water, which will be utilised elsewhere on-site.

Extreme E's greater goal is to leave only positive legacy behind, which is dependent on local needs. A signatory member of the United Nations' Sports for Climate Action Framework. Led by the UN's Framework Convention on Climate Change (UNFCCC), this initiative calls on sporting organisations to acknowledge the contribution of the sports sector to climate change and our responsibility to strive towards climate neutrality for a safer planet.

In line with the five core principles enshrined in the Framework and the aims of the Paris Agreement, Extreme E strives to:

- 1) Promote greater environmental responsibility
- 2) Reduce the overall climate impact from sports

- 3) Use its platform to educate for climate action
- 4) Promote sustainable and responsible consumption
- 5) Advocate for climate action through its communications

Who is on Extreme E's Scientific Committee?

The series is utilising a panel of leading academics from The Universities of Oxford and Cambridge, who are tasked with advising the series' climate research and practice.

Head of Scientific Committee/Arctic Scientist:

Professor Peter Wadhams (The University of Cambridge)

Ocean Scientist: Dr Lucy Woodall (The University of Oxford/Nekton Foundation)

Amazon Scientist: Francisco Oliveira PhD (The University of Cambridge)

Desertification and Droughts Scientist: Professor Richard Washington (The University of Oxford/The University of Cape Town)

The committee will advise Extreme E organisers on the series' education and research programmes, event logistics and impact as well as the recommendation of positive legacy initiatives which support local communities in each race location.

How will logistics work without impacting the environment?

To reduce the carbon footprint of the series, all Extreme E freight and logistics will travel by sea.

The historic former Royal Mail Ship the St. Helena has undergone a multi-million-pound renovation, which included a full refurbishment of its mechanics and engines to ensure its efficiency and to minimise its emissions.

The 7,000-tonne vessel will be transformed into a 'floating garage' alongside being the operational base for the series. It is estimated that travelling by sea will lower freight emissions by two thirds in comparison to air travel.

Which teams are confirmed to compete in the series?

Confirmed teams include; Chip Ganassi Racing and Andretti United (USA), Abt and HWA (Germany), Team TECHEETAH (Indonesia), QEV Technologies (Spain), Veloce Racing and X44 (UK).

Further teams will be announced as plans for Season 1 continue to develop.

For the latest on teams and their drivers, go to <https://www.extreme-e.com/en/teams>.

To follow the development of Extreme E, please visit www.extreme-e.com or follow @extremeelive on Instagram, Twitter, Facebook and YouTube.