



# SEASON ONE PRESS PACK



Introduction

# WHAT IS EXTREME E?

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

This five-event global voyage will utilise its sporting platform for the purpose of promoting electrification, environment and equality. The series' goal is to highlight the impact of climate change in some of the world's most endangered 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 while maximising awareness, racing in places that have already been damaged or affected by climate change or human interference and taking fans deep into the heart of the most pressing issues facing our planet's future.

Not only that, but 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.



Introduction

# WELCOME FROM OUR CEO

- ✖ Welcome to Extreme E, the most ground-breaking adventure in sport, and most importantly, a sport with huge purpose.

We have been planning this series for over two years, and it has already been a major journey, but now we are finally ready to go racing and start this adventure for real.

This first Season of Extreme E is going to be like nothing seen before. We have incredible teams backed by some of the biggest names in motorsport, – multiple world champions from rally, road and endurance – and five formidable locations, all either suffering or at risk of the effects of the climate crisis.

Of course, Extreme E is a motorsport, but it is also more than that. It symbolises the race for our planet, that we all need to play our part in. My vision is that we will use the power of sport to raise awareness of crucial issues, whilst showcasing the solutions we can all be part of as we promote a less carbon-intensive world.

I'm delighted to have you all on this journey with us. The race is officially on – and everyone is invited.



**Alejandro Agag**  
Founder & CEO -Extreme E



Introduction

# EXTREME E BY NUMBERS

**0**  
**THE GOAL  
 FOR CARBON  
 FOOTPRINT**  
 ONCE MEASURED AND OFFSET  
 AT END OF FIRST SEASON

**5**  
**RACES**

**9**  
**ELECTRIC  
 'ODYSSEY 21'  
 VEHICLES**

**5**  
**REMOTE  
 LOCATIONS**

**1**  
**PLANET TO  
 PROTECT**

**9**  
**TEAMS**

**UPTO  
 7**  
**PERSONEL  
 ON-SITE PER  
 TEAM**

**1**  
**WINNING  
 TEAM**

**18**  
**DRIVERS**

**4**  
**CONTINENTS**

**75%**  
**REDUCTION**  
 IN CO2 EMISSIONS  
 THROUGH TRAVELLING BY  
 SEA RATHER THAN AIR

**1**  
**SHIP**

**5**  
**COUNTRIES**

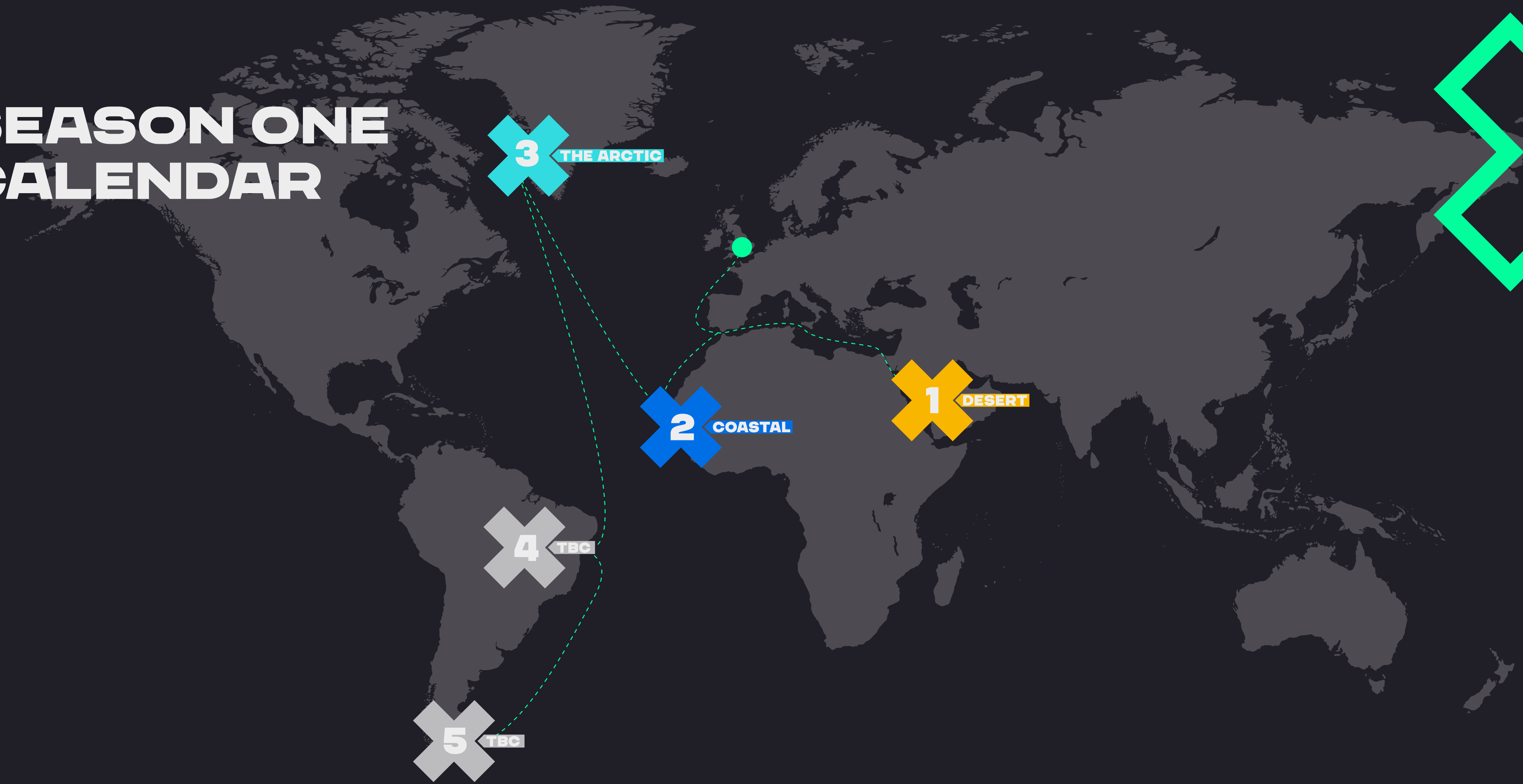
**5**  
**LEGACY  
 PROGRAMS**

**5**  
**SCIENTISTS**



Introduction

# SEASON ONE CALENDAR



Extreme E's inaugural season will be staged across five environments, including Arctic, Desert and Coastal locations, selecting places that have already been damaged or affected by climate issues or human interference.

**Desert X Prix**  
AlUla, Saudi Arabia  
03-04 April 2021

**Ocean X Prix**  
Lac Rose, Senegal  
29-30 May 2021

**Arctic X Prix**  
Kangerlussuaq, Greenland  
28-29 August 2021

**TBC**  
TBC  
Autumn

**TBC**  
TBC  
Winter



Introduction

# WHERE CAN I WATCH EXTREME E?



Each channel will broadcast the live racing, plus additional behind-the-scenes content.

### WaterBear Network

WaterBear Network is an innovative digital platform and mobile app, which empowers its audience to turn intention into action. With original content and curated documentaries inspired by the United Nations Sustainable Development Goals, WaterBear aims to engage millions in the creation of a new, sustainable and just future for everyone.

Extreme E has its own bespoke branded environment on WaterBear, through which WaterBear members are able to watch the championship's inspiring content as well as the stories behind the exciting organisation.



Locations

# DESERT X PRIX

AlUla, Saudi Arabia  
03-04 April 2021

- ✘ Over the next few decades, the average water availability in some regions is projected to decrease by 10-30%, meaning 2.4 billion people across the world will be living in areas subject to periods of intense water scarcity, displacing as many as 700 million people. Challenges exacerbated by climate change in the desert include water scarcity and potentially hundreds of millions of climate refugees.

Deserts are regions in which more water evaporates from the ground than is replaced by precipitation. They're characterised by extremely harsh conditions, scarce water and barren landscapes. Far from being wastelands, deserts are biologically rich ecosystems, with a vast array of plants and animals adapted to their harsh conditions.

## Desert X Prix

Extreme E will head to Saudi Arabia, home of the world's largest continuous sand desert, and its AlUla region in Season 1. The terrain is stunning and unforgiving, while the heat and conditions will be intense. There is no question that the winning combination of driver and machine will be a deserving one.



## The Problem

The impacts of climate change, such as increasing temperatures and more frequent and longer periods of drought alongside human actions such as deforestation, overgrazing, unsustainable water use and agricultural practices can all contribute to the degradation of environments and productivity. This is desertification. Around 12 million hectares of productive land become barren every year as a result of desertification and drought alone.



Locations

# OCEAN X PRIX

**Lac Rose, Senegal**  
29–30 May 2021

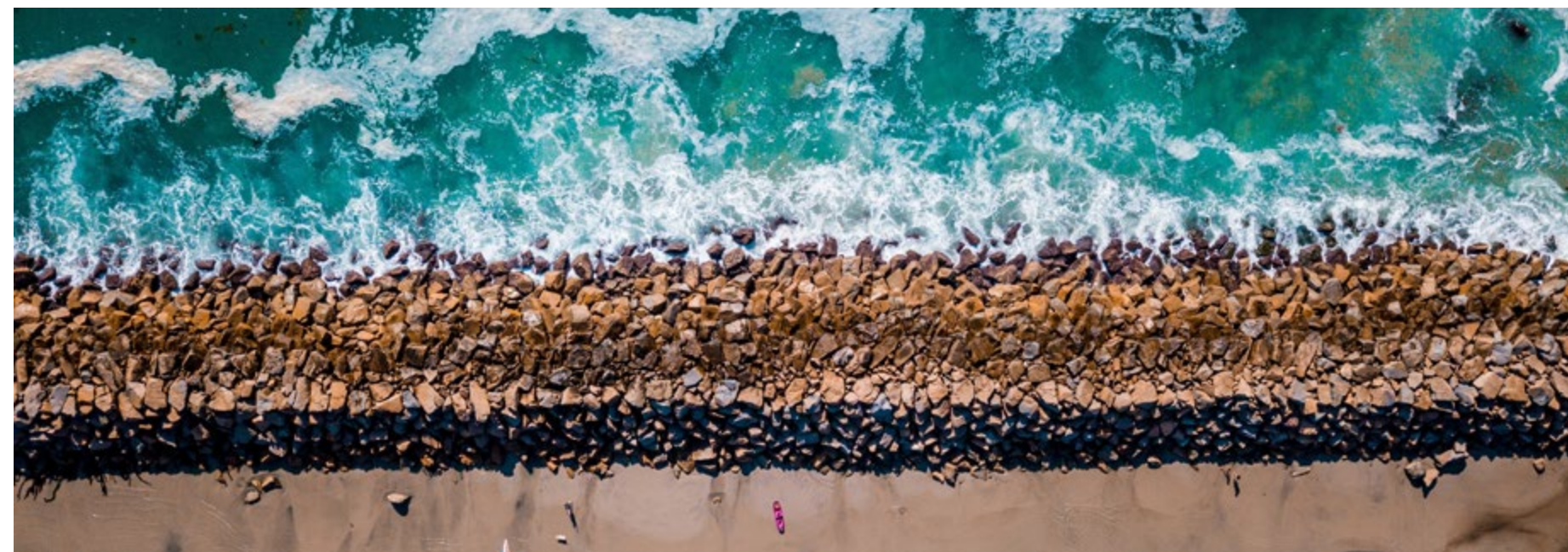
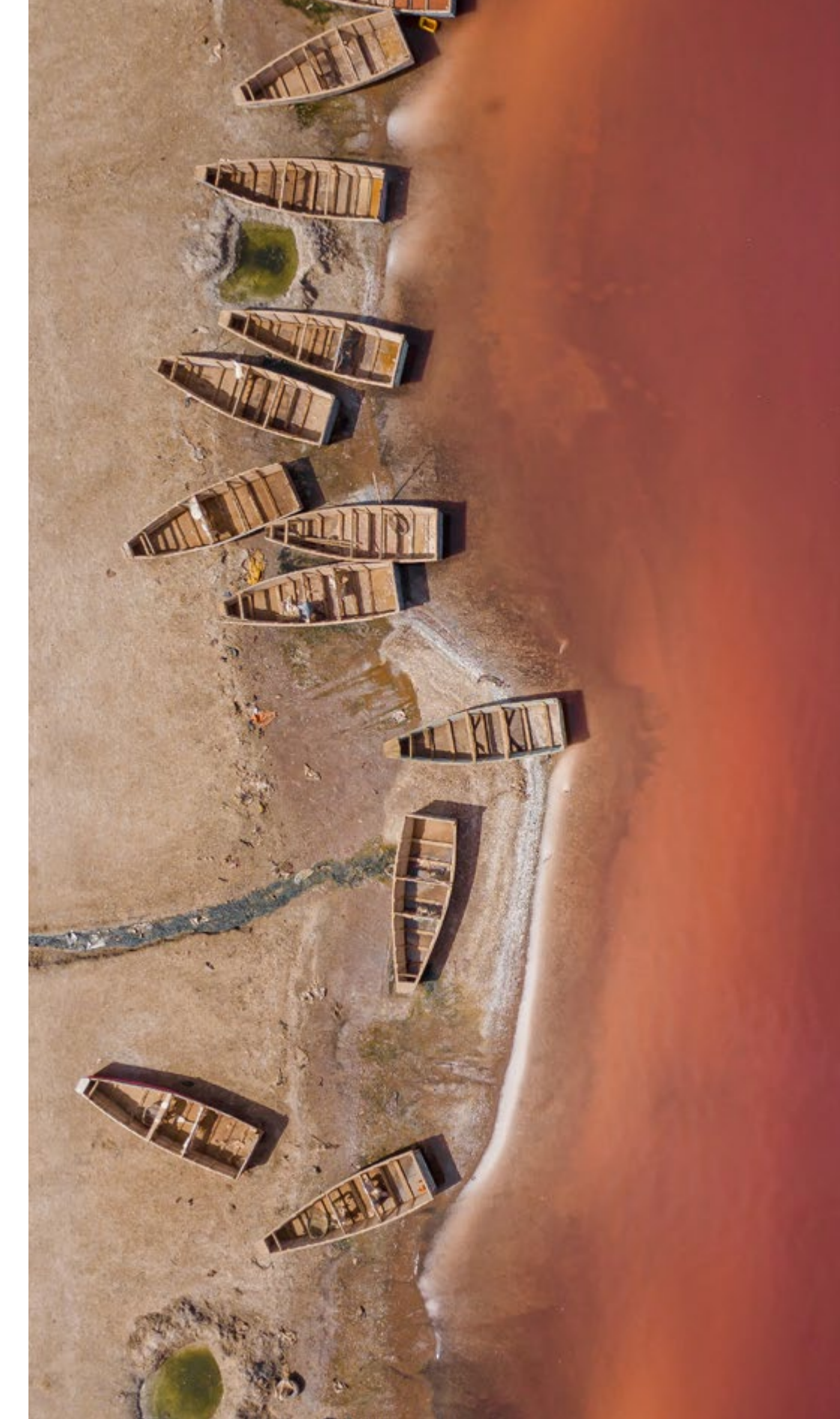
- ✦ Climate change has a profound impact on marine ecosystems, which threatens the wellbeing of people who depend on them. Climate challenges include rising sea levels – putting the very existence of some islands at risk – extreme weather and elevated rates of erosion.

### The Problem

Our oceans are in crisis. Half of coral reefs and a third of mangroves and seagrasses have already been lost, leaving coastal communities vulnerable to erosion, storm damage and food shortages. Crucial fish stocks are on the point of collapse, threatening not only food security for the human population that depends on them but the entire food chain. Plastics, oil spills and agrochemicals are destroying ocean environments and contaminating food chains. Climate change is causing the heating of our oceans, making them more acidic and bleaching coral reefs, melting the ice at the poles and endangering the life which they support. Above all, global warming results in rising sea levels that put some islands and coastlines at risk of disappearing altogether.

### Ocean X Prix

Lac Rose in Senegal, on the West Coast of Africa, will host the Ocean X Prix in our inaugural season. The race site at Lac Rose – also known as Lake Retba – is approximately 30 kilometres from the Senegalese capital, Dakar. Sand bars, salt beds, gravel, rocks and undulations will provide the drivers with real challenges, as they navigate the narrow off-road sand tracks between and around the striking Lac Rose, and the Atlantic Ocean beyond.



Locations

# ARCTIC X PRIX

**Kangerlussuaq, Greenland**  
28–29 August 2021

- ✦ Climate change has led to the Arctic warming much faster than the global average. The knock-on impacts of this include accelerated melting of the Greenland ice cap, rising sea levels and severe pressure upon species highly specialised to their biome such as the Polar Bear and Ringed Seal.

The Arctic is a deep ocean covered by drifting pack ice, and surrounded by frozen continents and archipelagos at the top of the world. It is crucial in keeping the world's climate in balance, acting as a huge reflector bouncing some of the sun's rays back into space. By this mechanism, it helps to regulate global temperature. Additionally, it plays a crucial role in the circulation of cold and warm water throughout the world's oceans. It is home to around four million people, including indigenous communities spread across eight countries – Canada, Finland, Iceland, Norway, Russia, Sweden, Greenland and the US, as well as 450 types of fish, 280 species of bird and 130 types of mammals (including the iconic Polar Bear, Narwhals and Arctic Foxes) – even cold-water coral reefs.

## Arctic X Prix

Extreme E heads to the Arctic and the retreating Russell Glacier near Kangerlussuaq in Greenland during its inaugural campaign, raising awareness of the rate at which ice is melting at the poles by racing on land previously occupied by the once-mighty glacier, right by its receding snout.



## The Problem

Climate change has produced an Arctic warming which is occurring at three times the global average rate, leading to the accelerated disappearance of Arctic sea ice. NASA estimates that the mass of pack ice each September, at its summer minimum, has fallen by an average of 12.8% in each decade over the last 40 years. With a lesser area of sea ice, less of the sun's radiation is reflected back into space, leaving the ocean to absorb more energy in the form of heat – further accelerating warming. Some predictions say there will be no summer sea ice remaining in the Arctic inside a decade.



## Technical

## ODYSSEY 21



**TOP SPEED**  
200KPH/124MPH

**MAXIMUM POWER**  
400KW/550BHP

**SUSPENSION TRAVEL**  
385MM

**EMOTOR TORQUE**  
920NM

**0-100KPH/0-62MPH**  
4.5 SECONDS

The championship cars are a one design fleet, a fully electric SUV, named ODYSSEY 21. In order to withstand the harsh conditions it will face, the car's peak 400kw (550bhp) output is capable of firing the 1780-kilogram, 2.3-metre wide e-SUV from 0-62mph in 4.5 seconds, at gradients of up to 130 per cent.

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 its tyres, the vehicle's crucial connection to these terrains are designed especially for the extreme conditions by founding partner Continental Tyres.

For Season 1, teams had the choice to use our bodywork, or work with an automotive partner, such as Chip Ganassi has done with the GM HUMMER EV, to put its own bodywork on the common chassis in order to utilise its platform to speak directly to the consumer market.

The exterior shell of the ODYSSEY 21 is made from Bcomp's natural flax fibre, in a bid to be more sustainable. The two products of the shell, ampliTex™ and powerRibs™, are made from natural flax fibres and carry a variety of environmental benefits including a 75 per cent reduction in carbon footprint from cradle to gate, all whilst providing the best in safety standards

**Overall length**  
4.401m

**Overall width**  
2.3m

**Overall height**  
1.864m

**Front track**  
1.998m

**Rear track**  
1.998m

**Ride Height**  
450mm

**Wheelbase**  
3.001m

**Weight**  
1780kg

**Battery Capacity**  
40kWh of usable energy  
Twin 250KW motors (550bhp equivalent)

**Acceleration 0-100km/h (0-62mph)**  
4.5 seconds

**Gradient capability**  
40° (80% slope) to 53° (130% slope est. depending on surface)

**Suspension travel**  
385mm

**SPECIFICATION PARTS**

**Tubular frame** constructed of Niobium reinforced steel alloy

**Suspension & dampers**  
Double wishbone with three-way adjustable mono-damper.  
Hydraulic bump and rebound stop

**Braking**  
Six-piston Alcon caliper  
Iron disk & pads

**Steering**  
Electrical power steering system

**Battery**  
Built by Williams Advanced Engineering

**Tyres**  
Engineered for the extreme terrains by Continental Tyres



Technical

# TYRES

✘ **The tyres have been designed and produced by Extreme E's Founding Partner, Continental.** The German tyre brand carefully examined the requirements of the race series and built an ultra-high-performance tyre that specifically addresses the needs of the competing teams. This performance-optimised tyre is not just built for extreme conditions, but also for the unique characteristics of Extreme E's pure electric SUVs.

There will be one specification of tyre based on the Continental CrossContact series, a tyre with a specially-designed tread to enhance traction and stability on practically any surface. The tyres for the ODYSSEY 21 will be able to cope with all conditions, from the scorching heat to blistering cold plus muddy, sandy or icy terrains.

Each tyre will be fitted with Continental's state-of-the-art ContiConnect, a digital tyre-monitoring system meaning greater safety for car and driver. The system collects, measures and analyses data such as tyre pressure and temperature in real time, transmitting that information to the driver via a display in the cockpit.

**Diameter**  
37 inches (940 mm)

**Weight**  
33.9 Kg

**Width**  
12.50 inches (317.5 mm)

**Tread depth**  
13.9 mm

Each team is allocated one set of tyres per race, and two used tyres from the previous race.



Technical

# BATTERY

✦ The batteries are specially-designed and developed by Williams Advanced Engineering, plugging into the expertise and experience of the same minds who will be supplying the batteries for Gen3 of the ABB FIA Formula E World Championship, starting in 2023.

Designed to withstand the extreme temperatures, conditions and terrains, the batteries will produce a maximum power output of 400 kWh (equivalent to 550bhp). Teams have been provided with identical 54kWh battery packs to be used in the first two seasons of Extreme E.



**USABLE ENERGY**  
40kWh

**LITHIUM ION CHEMISTRY**  
Over 3600 cells

**LOW MASS**  
Under 400kg

**LIGHTWEIGHT ENCLOSURE**  
Carbon Fibre Composite

**BATTERY MANAGEMENT SYSTEM**  
WAE Software and Hardware

**HIGH POWER**  
Maximum 400kWh (550bhp)

**HARSH ENVIRONMENTS**  
Protected against water, dust & sand

**HIGH VOLTAGE**  
800 V



Technical

## CHASSIS

✦ **CBMM | Niobium is a founding supplier of Extreme E and the championship's official Niobium Technology Supplier and Chassis Technology Supplier.**

Critical to the automotive sector, niobium produces stronger, lighter and more sustainable cars with better energy efficiency. Its technologies are already widely applied in different areas, including light-weighting, safety, emissions reduction and electronics that will help lead to a sustainable sector transformation. Key applications of niobium in the Mobility sector include chassis, brakes and exhaust systems, drivetrains, batteries and EV charging stations and any number of ancillary components. Its qualities mean materials can be made lighter, stronger, more robust and more reliable – all while being more sustainable than other materials.

Each of these qualities will be key to ensuring Extreme E's SUVs can cope with, and thrive within, the competition's five formidable environments. Increased lightness breeds energy savings and improved performance, and the added strength and durability afforded by niobium technology will assist the Extreme E chassis in dealing with the toughest challenges thrown their way.

CBMM | Niobium already enjoys a long-standing relationship with the ABB FIA Formula E Championship, focused on building awareness of niobium technology and promoting partnerships to explore and progress the growing potential of sustainable mobility.



Sporting

# SPORTING FORMAT

- ✦ The series has devised an innovative format unlike any other, likened to 'Star Wars Pod Racing meets Dakar Rally.' Designed to put driver performance firmly in focus, Extreme E X Prix weekends feature the precision and pressure of time trial qualifications on Day One, and short, sharp wheel-to-wheel racing action on Day Two, where skills will be tested to the limits and races will come right down to the wire.

Every race will incorporate two laps over a total distance of approximately 18 kilometres. In a motorsport world-first, teams will field one male and one female driver, promoting gender equality and a level playing field amongst competitors. The teams will determine which driver goes first to best suit their strategy and driver order selections are made confidentially, with competitors kept in the dark as to other teams' choices until the last possible moment. Contests between males and females will therefore be ensured.

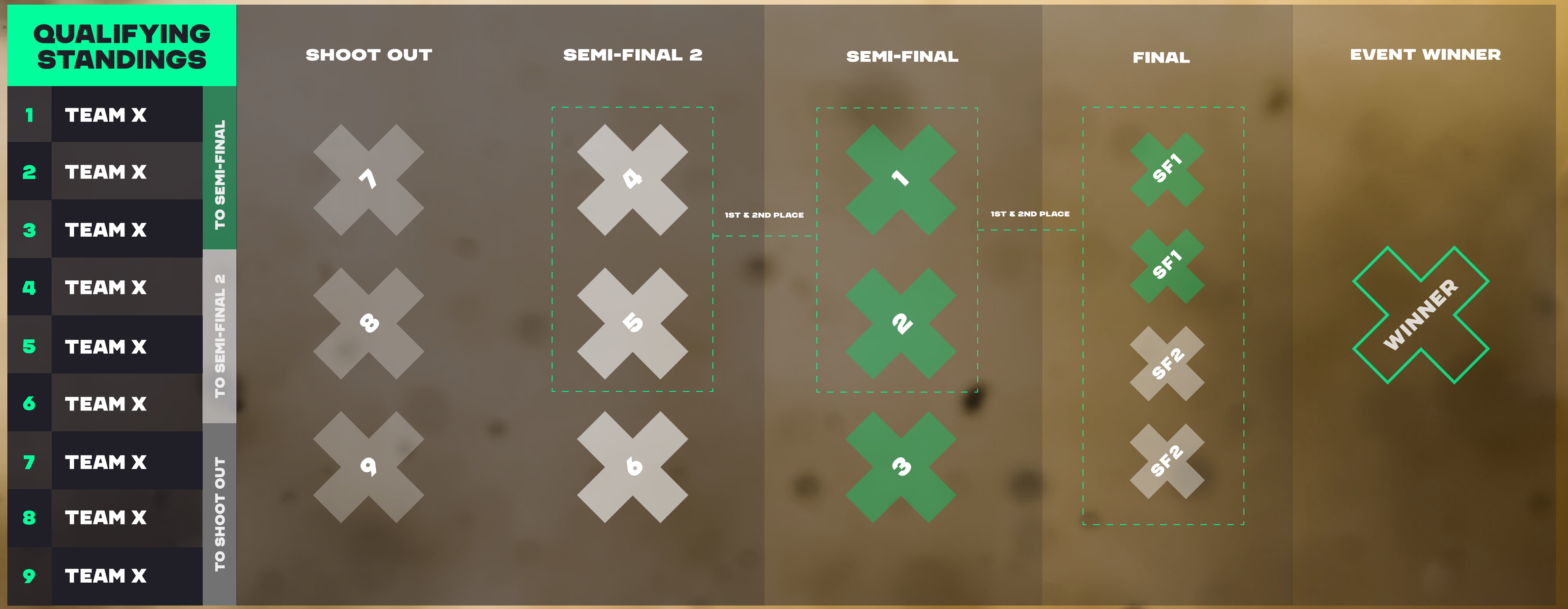
Both drivers will complete one lap behind the wheel of the ODYSSEY 21 electric SUV, with a driver changeover, the 'Switch', included after the first lap.

A 'Hyperdrive' boost will also be available to each driver on each lap of the race. Activated when the driver presses a button on their steering wheel, they will enjoy an increase in power for a fixed amount of time. The timing for this will be a key decision.



Sporting

# SPORTING FORMAT



Sporting

# SPORTING FORMAT



## ✖ DAY ONE: SATURDAY

### Morning

Qualifying 1: 2 laps, 1 lap per driver with a Switch

### Afternoon

Qualifying 2: 2 laps, 1 lap per driver with a Switch.

The driver order is the reverse of Qualifying 1

Times from Q1 and Q2 are combined to give an overall 1st to 9th place classification as per the following:

**1st** → Semi-Final 1

**2nd** → Semi-Final 1

**3rd** → Semi-Final 1

**4th** → Semi-Final 2

**5th** → Semi-Final 2

**6th** → Semi-Final 2

**7th** → Shoot Out

**8th** → Shoot Out

**9th** → Shoot Out

## ✖ DAY TWO: SUNDAY

Ocean X Prix Finals Day features a series of three car races.

### Semi-Final 1

Three-car race with the top two cars going through to the Final

### Semi-Final 2

Three-car race with the top two cars going through to the Final

### Shoot Out

Three-car race with the finishing order dictating Championship points awarded

### Final

Four-car Final with the top three going to the podium

Sporting

# SPORTING FORMAT

- ✖ X Prix courses will incorporate natural challenges that will leave viewers on the edge of their seats, and drivers and teams will be pushed right to the limits of their abilities, with hazards to navigate and defeat such as extreme gradients, jumps, banks, berms, pits, dunes and water.

Engaging with fans is a key priority for Extreme E, which is why the championship is enlisting fan voting, through GridPlay, where fans can vote for their favourite driver. When voting has finished, the driver's votes are added together to give each team a final percentage of the votes. Those teams that don't make the Final race must 'gift' their votes to their preferred opponent in the Final. The grid places for the Final are based upon the voting results once all teams not in the Final have gifted their votes to the other teams.

## POINTS SYSTEM

Championship points will be awarded as follows:

### Qualifying Points

<b>1ST</b>	12 points	<b>6TH</b>	7 points
<b>2ND</b>	11 points	<b>7TH</b>	6 points
<b>3RD</b>	10 points	<b>8TH</b>	5 points
<b>4TH</b>	9 points	<b>9TH</b>	4 points
<b>5TH</b>	8 points		

### Championship Points

<b>1ST</b>	25 points	<b>6TH</b>	10 points
<b>2ND</b>	19 points	<b>7TH</b>	8 points
<b>3RD</b>	18 points	<b>8TH</b>	6 points
<b>4TH</b>	15 points	<b>9TH</b>	4 points
<b>5TH</b>	12 points		

## [SUPER SECTOR]

The 'Super Sector' was launched for the Ocean X Prix in Lac Rose, Dakar, Senegal. It is a part of the course where the fastest driver in that section over the weekend will earn five points for their team. This ensures that whatever position the teams find themselves in there is always an incentive to push to the limit as points are up for grabs.



Sporting

# ABT CUPRA XE



- ✦ German tuning and motorsport company ABT has enjoyed multiple championship successes across disciplines at the very highest levels of motorsport over five decades. It has sealed no fewer than five Deutsche Tourenwagen Masters (DTM) titles, and was the team behind Lucas di Grassi's ABB FIA Formula E Championship triumph in 2016-17 – having operated a squad in the top group every season since entering the series in its inaugural 2014-15 campaign.

CUPRA, the sporty Spanish brand became the first automotive manufacturer to enter the series and will contribute to lining up a team of engineers for the electric odyssey. CUPRA is an unconventional challenger brand based on style and performance that inspires the world from Barcelona with progressive cars and experiences. In 2021, CUPRA aims to prove that electrification and sportiness are a perfect match with the launch of the plug-in hybrid versions of the CUPRA Formentor and its first 100% electric model, the CUPRA el-Born.

#### Reason behind the number:

To celebrate the 125th birthday of the ABT company which was founded as a blacksmith in 1896.

# #125



 **MATTIAS EKSTRÖM**

The Swedish ace continues his 22-year history with ABT Sportsline. Having first raced with ABT Sportsline in 1999, Ekström rose to prominence in the world of motorsport as a longtime Audi factory driver and became a two-time DTM champion. Together with his EKS team, he went on to compete in the FIA World Rallycross Championship, which culminated in Ekström being crowned as the world champion in 2016. A new chapter dawned for Ekström in 2019, when he joined CUPRA as an e-ambassador to be part of the Spanish company's future of electro mobility on the race track.



 **JUTTA KLEINSCHMIDT**

Born in Cologne, Germany, Jutta Kleinschmidt boasts an impressive pedigree in off-road racing. Her first appearance at the world-renowned event, the Dakar Rally, was in the bike category in 1988 but by 1994 she had switched to four wheels and the car category. Three years later she became the first woman to record a stage win and 1999 yielded a third place overall.

In 2001, she wrote her name into the history books as the first female Dakar Rally winner. A further two podiums in 2002 and 2005 cemented her place as the most successful female driver in the category to date.



Sporting

## ACCIONA | SAINZ XE TEAM

 **Acciona | Sainz XE Team**

✘ ACCIONA – which in 2017 led the first team to complete the Dakar Rally with a 100% electric vehicle – announces its return to motorsport, joining forces with rally legend Carlos Sainz and technical partner QEV Technologies. The ACCIONA | Sainz XE Team's aims include contributing to global awareness regarding the effects of climate change and the need to accelerate the transition to a low-carbon economy.

**Reason behind the number:**  
Carlos Sainz Jnr (son) races with #55 for Ferrari in F1



 **CARLOS SAINZ**

Carlos Sainz, arguably one of the greatest rally drivers of all-time, has won the FIA World Rally Championship twice, in 1990 and 1992. He has also won the Dakar Rally three times: in 2010, 2018 and 2020. The Spanish driver received the Princess of Asturias Sports Award in 2020 for his successful career in elite world motorsport, and in the same year, was voted the best driver in rallying by fans and journalists.



 **LAIA SANZ**

Laia Sanz has been crowned Trial World Champion 13 times, Enduro World Champion on five occasions and has finished the Dakar Rally ten times, between 2011 and 2020. She finished ninth overall in 2015, achieving the best result ever by a woman in the motorcycle category on the event. Her participation in Extreme E represents her official move from motorcycling to car racing.

Sporting

## ANDRETTI UNITED EXTREME E



✘ Andretti United Extreme E is made up of two powerhouses of motorsport – Andretti Autosport and United Autosports.

Andretti Autosport, led by racing legend Michael Andretti, boasts a wide racing portfolio rooted in tradition. Under the banners of Andretti Autosport and BMW i Andretti Motorsport, the Indianapolis-based team fields multiple entries across the INDYCAR SERIES, Indy Lights, FIA Formula E Championship and GT4 America Series.

United Autosports is co-owned by McLaren CEO, Zak Brown and former racing driver, Richard Dean. They mainly race sports prototypes worldwide and are reigning FIA World Endurance and European Le Mans Series LMP2 Champions. The team are also reigning European LMP3 Champions and won the 2020 Le Mans 24 Hours. Andretti Autosport and United Autosports also compete as Walkinshaw Andretti United in Australia’s Supercars Championship.

 <b>TIMMY HANSEN</b>	 <b>CATIE MUNNINGS</b>
<p>Timmy Hansen began his motorsport career in karting and circuit racing before switching his focus to rallycross from 2012. After placing third overall in the 2013 European Rallycross Championship, in 2014 he made the step up to the FIA World Rallycross Championship, taking his maiden victory in Italy on his way to fourth in the final standings. The Swede challenged for the crown the following year, ultimately finishing runner-up in the points table. In 2019, Hansen recorded four wins and clinched the World RX Drivers’ title in dramatic fashion in a pulsating season finale.</p>	<p>Catie Munnings is an up-and-coming British rally driver who began competing at a young age. In 2016 and at just 18-years-old, she won the European Rally Championship Ladies’ Trophy. In 2017 and 2018, she claimed a series of class victories while also forging a successful TV career as the host of CBeebies show, Catie’s Amazing Machines. In 2020, Munnings made her debut in the World Rally Championship.</p>



# #99

Sporting

# SEGI TV CHIP GANASSI RACING



✦ Chip Ganassi has been a fixture in the motor racing industry for over 30 years and is considered one of the most successful as well as innovative team owners anywhere in the world. Today, he fields four entries in the NTT INDYCAR SERIES, two in the NASCAR Cup Series, and one each in the IMSA WeatherTech SportsCar Championship and Extreme E. Overall, CGR has 20 championship and more than 225 race victories, including four in the Indianapolis 500, eight in the Rolex 24 At Daytona and further successes in the Daytona 500, Brickyard 400, 12 Hours of Sebring and Le Mans 24 Hours.

Chip Ganassi Racing is teaming up with GMC HUMMER EV as it competes in Season 1 of Extreme E. CGR's 550 hp electric SUV will feature a unique grille, graphics and bodywork inspired by the GMC HUMMER EV, the world's first all-electric supertruck.


**Reason behind the number:**  
 Kyle has raced with #99 since graduation in '99. Sara liked the story and the number



 **KYLE LEDUC**

Kyle LeDuc holds an astonishing record of six Pro 4 Championship wins and over 100 race victories in the Lucas Oil Off Road Racing Series. Nicknamed 'The Kid', he made history as the youngest active driver in off-road racing and took the title of 2003 Prolite World Champion. LeDuc's successes quickly moved him up from two-wheel drive to four-wheel drive as he entered the Pro 4 category in 2008, achieving his first win that same year. His first Pro 4 Championship title came in 2012, and he completed the 2020 season with his most recent championship triumph.



 **SARA PRICE**

Sara Price, a Californian who started her career on dirt bikes at the age of just eight, is a 19-time national champion who became Kawasaki's first factory-supported female motocross rider in history. Prior to making the switch to four-wheeled racing in 2012, she achieved a medal in Women's Super X at the X Games contest. In addition to her Extreme E commitments, Price currently works as a stunt professional, performing on motorcycles and in vehicles and as a precision driver for television and film.



Sporting

## XITE ENERGY RACING powered by myenergi



✦ One hundred years after its first racing victory, HISPANO SUIZA returns to motorsport with the Hispano Suiza Xite Energy Team. Together with its drivers – Britain’s Oliver Bennett and Italy’s Christine GZ – and technical team, the Spanish outfit is eager to contribute to Extreme E’s goal of raising global awareness about the effects of climate change and promoting equality. Hispano Suiza in association with XITE ENERGY have created a young racing team, full of talent and great experience in off-road racing.

**Reason behind the number:**  
4 is the four major cardinal compass points and 2 is Oliver & Christine



 **OLIVER BENNETT**

Oliver Bennett is a 28-year-old British driver with experience in rallycross competitions. In 2016 he made his debut in the British Rallycross Championship and the following season he fought for the title. He also made his debut in the FIA World Rallycross Championship, where he has competed in recent seasons. Bennet has also participated in a number of Americas Rallycross events and the Gymkhana GRID in Cape Town in 2018, where he put on a great performance.



 **CHRISTINE GZ**

Christine Giampaoli Zonca, better known as Christine GZ, is a 27-year-old Italian-Canary driver. In 2014, in her full-time debut in competition, she achieved her first victory in a gravel rally, and that same year she was proclaimed regional champion of the Canary Islands in front-wheel drive vehicles, as well as in group B4. In 2016 she made her debut in the World Rally Championship (WRC) at Rally de Catalunya, as a member of the first all-female rally team, and won the women’s category of the Spanish Gravel Rally Championship. Since 2017, Giampaoli’s career has been focused on participating in off-road races, in the United States and Mexico, where she achieved seventh place in the famous Baja 1000, within the Pro UTV Turbo category. In 2020 she became the main driver of Avatel Racing Team, achieving 3rd place in the T2 category in the Andalucía Road to Dakar Rally.



Sporting

## JBXE



✦ JBXE, founded by Formula One World Champion Jenson Button, makes its debut into the world of electric off-road racing. As both team owner and driver, Jenson will be at the heart of the team, on and off the track, and the whole of JBXE will be working alongside Extreme E to help raise awareness of the both the issues at hand but also to highlight the legacy initiatives being implemented at each race location.

**Reason behind the number:**  
Number 22 is a homage to Jenson's F1 number



 **MIKAELA  
ÅHLIN-KOTTULINSKY**

Mikaela Åhlin-Kottulinsky has successfully competed in the Scirocco R-Cup Germany and in the rallycross discipline. In 2015, she took part in the newly established Audi Sport TT Cup. She also started in the junior classification of the ADAC GT Masters in 2016 and in the Audi Sport Racing Academy in 2017, before switching to the Scandinavian Touring Car Championship in 2018, where she made history as the first, and only woman ever to win races in that series.



 **KEVIN  
HANSEN**



Sporting

## ROSBERG X RACING (RXR)



✦ Led by 2016 Formula 1 World Champion Nico Rosberg, the team is an evolution of Team Rosberg, founded in 1994 by Nico's father and 1982 F1 World Champion, Keke Rosberg. RXR builds on the team's success in the Deutsche Tourenwagen Masters (DTM) series as well as Nico Rosberg's post-F1 career as an entrepreneur in the field of sustainable mobility.

**Reason behind the number:**  
Homage to Nico's father Keke Rosberg who raced with #6



 **JOHAN KRISTOFFERSSON**

Johan Kristoffersson is the reigning three-time World Rallycross champion. The son of racing driver-turned-team owner, Tommy Kristoffersson, Johan grew up surrounded by motorsport in his native Sweden. Johan's motorsport career started in earnest with circuit racing; in 2012, he took part in a variety of series, including the Swedish Touring Car Championship, Porsche Carrera Cup Scandinavia and Italy's Superstars Series, and went on to win the championship title in all three categories. Following his success on the track, Kristoffersson turned his attention to racing off-road in 2013 with a part-campaign in the FIA European Rallycross Championship, before picking up his first event win in the series in 2014 alongside a number of wildcard appearances in the FIA World Rallycross Championship. A full-time campaign beckoned in 2015, with Johan finishing the season third in the series, before going one better with second in 2016. Since 2017, he has been the dominant force in World RX, claiming three out of four Drivers' titles.



 **MOLLY TAYLOR**

Molly Taylor grew up in a motorsport family and excelled in national rally competitions, winning the F16 class in the Australian Rally Championship in 2007 and 2008 before moving abroad to follow her dream of becoming a professional rally driver. Success in the UK secured her a scholarship to compete in the World Rally Championship Academy, where she took a maiden stage win in the category. In 2013, Molly's success in the European Rally Championship elevated her to World Rally Rankings Number 1 International Female Rally Driver, before becoming the first female to achieve a podium position in Junior WRC history, finishing third in the 2014 Rally Finland. Returning to Australia in 2015, Molly finished second in the Australian Rally Championship before going one better with Subaru in 2016. Now an established name in national and international rallying, Molly lines up at RXR following years of experience and success in off-road competition.



Sporting

## VELOCE RACING



✦ Veloce Racing, co-founded by the team behind its industry-leading sister organisation Veloce Esports, counts double Formula E Champion and former Formula 1 driver Jean-Éric Vergne in its backroom staff, with legendary designer Adrian Newey driving the operation as 'Lead Visionary'.

**Reason behind the number:**

To celebrate the UN's Sustainable Development Goal which stands for equality.



 **JAMIE CHADWICK**

One of the UK's brightest young talents, Jamie Chadwick brings a wealth of experience to the table with multiple titles to her name. After taking her first steps in car racing in the Ginetta Junior Championship, she made a spectacular breakthrough by winning the 2015 British GT Championship in the GT4 class. Chadwick moved to the British Formula 3 Championship in 2017, and in 2019 cruised to the MRF Challenge Formula 2000 crown. Later that same year, she went on to become the first-ever W Series Champion with a pair of victories and five podium finishes from six races. Extreme E marks an altogether new challenge for Jamie, as it represents her competitive off-road debut. She will dovetail her Veloce Racing commitments in 2021 with a return to the W Series in defence of her crown.



 **STÉPHANE SARRAZIN**

Stéphane Sarrazin has enjoyed a long and diverse career in the sport. Whilst perhaps best-known for his sportscar racing exploits – with six podium finishes in the legendary Le Mans 24 Hours, two Le Mans Series titles and multiple victories in the FIA World Endurance Championship to his name – he has an extremely versatile CV. In 1999, the Frenchman contested the Brazilian Grand Prix and continued to carry out Formula 1 testing duties until the end of 2002. Four seasons in Formula E yielded three rostrum visits, while in 2011 and 2012, he tested his mettle in Australia's V8 Supercars Championship. Since 2004, he has also made successful appearances in the FIA World Rally Championship. From 22 starts at the highest level, he has achieved ten points-scoring results. Sarrazin's first international rallying triumph came on the 2014 Tour de Corse, and from three Monte-Carlo Rally outings, he has never finished lower than fourth.



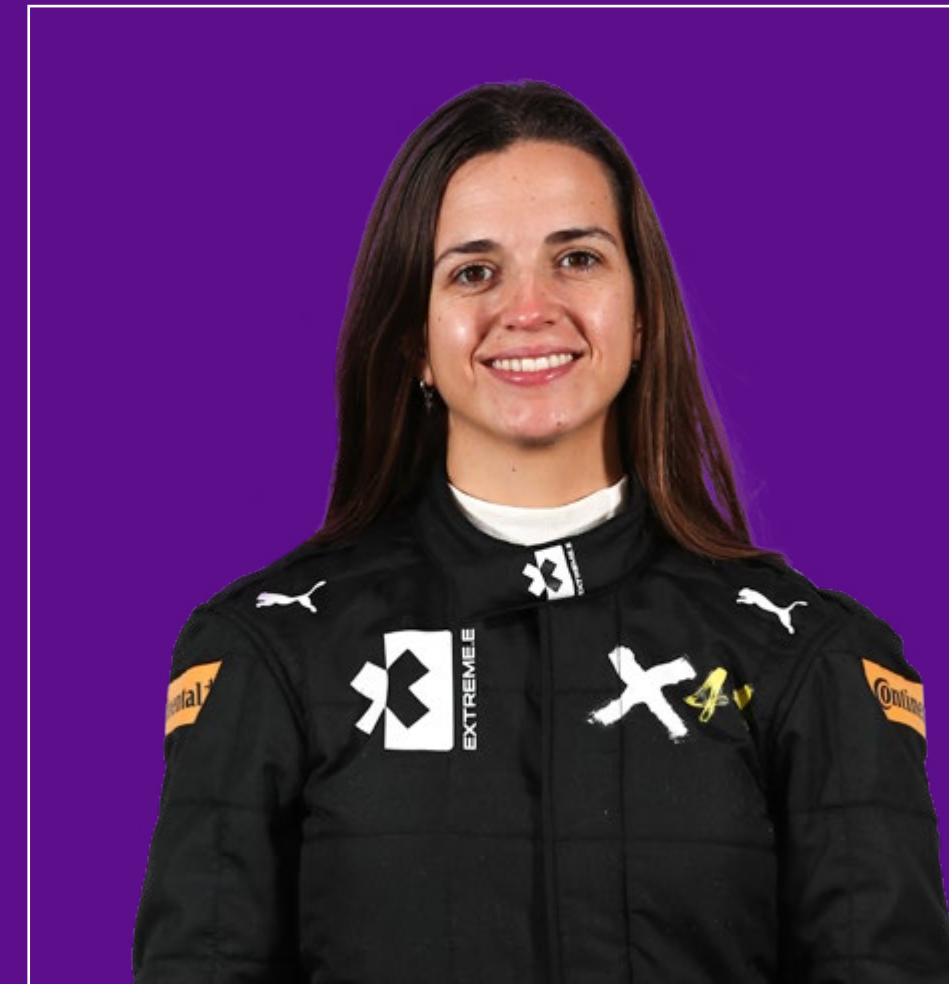
Sporting

## X44



✦ X44, formed by seven-time Formula 1 World Champion Lewis Hamilton, will make its racing debut in Extreme E. Named with reference to Lewis' own racing number, X44 will provide opportunities to the next generation of drivers, engineers and technicians whilst highlighting the most serious issues facing our planet and the solutions we can all be part of. Rather than getting behind the wheel himself, Lewis will use his role as founder to put his learnings into practice and create a dedicated and competitive team.

**Reason behind the number:**  
Lewis Hamilton's race number



 **CRISTINA GUTIÉRREZ**

Gifted Spanish driver Cristina Gutiérrez is a promising upcoming talent who made history in the 2017 Dakar Rally by becoming the first Spanish female driver to finish the race in the car category, placing fifth amongst the rookies. Widely known as the toughest rally in the world, Gutiérrez has now finished the event four times and has quickly adapted to the tough requirements of rally driving. She has all the hallmarks of a great driver, showing grit and natural ability, and has had a huge passion for the sport since she started racing at four-years-old. Her skills have been well showcased in her home country, where she previously secured a second-place overall position in the mixed-gender All-Terrain Spanish Rally Championship, finishing top of the female category between 2011 and 2016.



 **SÉBASTIEN LOEB**

Acclaimed French driver Sébastien Loeb is statistically the most successful rally driver of all time and a legend of the motorsport world, with a record nine FIA World Rally Championship crowns and 79 individual WRC event wins to his name. After beginning his rally career aged 22, his natural driving talent soon saw him winning championships in his home country before he quickly progressed to the global stage. His 24-year career in motorsport has seen Loeb achieve total dominance in the rally world. He has also claimed three Race of Champions victories by defeating the world's best racing and rally drivers, is a multiple winner in both the FIA World Touring Car Championship and FIA World Rallycross Championship, has twice reached the rostrum on the Dakar Rally, is an outright podium-finisher in the Le Mans 24 Hours and has participated in a number of Formula 1 test sessions.

Sporting

# CHAMPIONSHIP DRIVERS

TIMO  
SCHEIDER



## Championship Driver and Race Course Advisor

Timo Scheider is an experienced German racer with two DTM titles to his name and will support Extreme E across myriad sporting projects.

Alongside his reserve driver responsibilities of being on hand to jump into one of the ODYSSEY 21s at a moments notice, Timo will also be contributing to the design of Extreme E's race courses at each of its far-flung locations.

Scheider has competed in a wide range of motorsport disciplines from single-seaters to touring cars and rallycross. Having claimed back-to-back DTM titles in 2008 and 2009, a 24 Hours of Le Mans podium in 2010 plus victories at the 24 Hours of Spa and the infamous Nurbürgring as well as World Rallycross podiums in 2017 and 2020, the 42-year-old is perfectly equipped to tackle an innovative and incomparable series such as Extreme E.

The ability to adapt his driving style to suit different terrains, car requirements as well as conditions will prove vital in his new role with the championship.



Legacy

# ENVIRONMENT AND SUSTAINABILITY



- ✦ Extreme E is a sport for purpose, and that purpose is highlighting the climate emergency and encouraging change. As a series that is ever-mindful about its footprint and maintaining minimal on-site attendance, Extreme E has always concentrated on innovative solutions and alternatives to how traditional sports events are run.

The series has a carbon positive mindset, and has a number of initiatives in place which focus on reducing its carbon footprint as follows: These all support the series' aim to be net carbon zero by the end of its first season,

## Electric Vehicles

The race vehicle is an electric SUV, named ODYSSEY 21. It was chosen because SUVs are the most popular model on the market, yet at the same time the most polluting and therefore the most damaging to the environment. Extreme E hopes that by racing electric SUVs and using the series as a research and development opportunity, the innovations will filter into the consumer market.

## Zero-Emission Vehicle Charging

Extreme E has embarked on a world-first collaboration with AFC Energy, whose pioneering hydrogen fuel cell technology will enable the championship's race fleet to be charged using zero-emission energy.

Extreme E is the first event organiser to utilise hydrogen fuel cell power generators for charging, and the decision supports the series' goal of being sustainable and creating minimal local impact on the environments in which it races. AFC Energy has engineered

a bespoke H-Power™ fuel cell system for Extreme E, which has been designed with a clear specification and a focus on sustainable innovation.

It offers a completely sustainable fuel production process, using water and sun to generate hydrogen power which will then be used to charge all the ODYSSEY 21 e-SUVs off the grid. Not only will this process emit zero greenhouse emissions, its only by-product will be water, which will be utilised elsewhere on-site.

Legacy

# ENVIRONMENT AND SUSTAINABILITY



## ✖ Carbon-Offsetting

Extreme E is working with ALLCOT to offset the championship's carbon footprint in support of its goal to achieve a net-zero carbon footprint by the end of its first season.

ALLCOT, a world-leader in carbon-offsetting and sustainability initiatives, develops innovative impact projects that enable businesses to support local communities to protect the environment by reducing their carbon emissions. These initiatives directly support the United Nations' Sustainable Development Goals, which call on governments, businesses and communities to put an end to poverty and protect the planet.

Extreme E is additionally consulting with carbon measurement expert Quantis to calculate its corporate footprint and will continue to track and update this figure as its season unfolds.

## No spectators on-site

Depending on the type and location of events, fans can represent 20 to 50% of the total footprint of an event once you consider their transport, food and beverage and merchandising. That is why Extreme E has taken the decision to not have spectators at races, in a bid to reduce its carbon footprint.

In addition, teams will be restricted to seven personnel on site – two drivers, one engineer and four mechanics.

This also filters through to Extreme E's remote broadcasting, which involves minimal crew on-site and using satellites to enable live editing and overlays in a London studio.

## St. Helena

To minimise the carbon footprint of the series, all Extreme E equipment will travel by sea, as a less carbon-intensive equivalent to air travel.

## Remote Broadcast

Extreme E will use a host of innovative production methods to bring all the racing action to people around the world, and as a championship without spectators on-site, this takes on even greater importance.

The teams have designed a technical solution that reaches the most remote locations whilst reducing the environmental impact across the entire production. Footage will be sent back to a new 'UHD-ready' centralised Broadcast and Media Centre, located at 200 Gray's Inn Road, London. The production will make use of the centre's extensive connectivity, remote production galleries, remote replay, Edit and Live Centre monitoring.

This will reduce the carbon footprint of the series, as on-site numbers will be greatly reduced by using a remote broadcast production.



Legacy

# ENVIRONMENT AND SUSTAINABILITY



## ✖ The UN

Extreme E is has a relationship with the UN on a number of levels.

Signatory of the United Nations Sports for Climate Action Framework:

The United Nations Sports for Climate Action framework aims to support and guide sporting organisations to achieve climate change goals.

**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

## Partner to Race to Zero

Race To Zero is a global campaign to rally leadership and support from businesses, cities, regions, investors for a healthy, resilient, zero carbon recovery that prevents future threats, creates decent jobs, and unlocks inclusive, sustainable growth.

The objective is to build momentum around the shift to a decarbonized economy ahead of COP26, where governments must strengthen their contributions to the Paris Agreement. This will send governments a resounding signal that business, cities, regions and investors are united in meeting the Paris goals and creating a more inclusive and resilient economy.

## Extreme E Count Us In Challenge

Extreme E and Count Us In have joined forces to launch the “Extreme E Count Us In Challenge” - a campaign using the power of sport, and the excitement of motor racing, to inspire fans to take practical steps on climate change. By taking action, fans will reduce their own carbon footprint - and challenge governments, cities and businesses to accelerate progress on climate action.

The Extreme E Count Us In Challenge supports the UN’s Race to Zero initiative - which, in the lead-up to COP26 in Glasgow, runs a global campaign to accelerate the transition to a zero carbon future.

Legacy

# THE ST. HELENA

✦ Historic former Royal Mail Ship, the St. Helena, has undergone an 18-month, multi-million-pound refurbishment process, which has included a total overhaul of steelwork, engines, generators, propellers, machinery, interior and cabin space making her not only fit for purpose, but also as efficient as possible ahead of her new mission.

She was selected by Extreme E as its freight and logistics hub due to her versatility and ability to carry and unload a mixture of cargo, for example the championship's cars, as well as team members and guests – there are 62 cabins on board.

The list of work that has gone into the refit is extensive, with 30 tonnes of new steelwork added to repair worn sections and create new elements to the ship. For example the original 20-square-metre swimming pool has been replaced with a Science Laboratory so research can be conducted en route. This is a key element of Extreme E which looks to use its sporting platform to shine a spotlight on climate change issues and possible solutions around the world.

Improving efficiency has been a major goal of the refit. The St. Helena's engines have been fully stripped and rebuilt and she will now run on low-sulphur marine diesel, known as Champagne in the industry. The propellers have similarly been refurbished to reduce friction and improve efficiency. The hull has been re-painted with the Extreme E logo emblazoned on the side. The underwater sections are painted in the most up-to-date anti-fouling paint, meaning she is kept clean which makes her more streamlined, which also reduces CO2 emissions.

The ship's interior has also been upscaled and injected with a new lease of life with the original interior panelling given a wooden vinyl overlay and 4,000 new low-emission LED lights replace the old power-intensive lighting. Heating, ventilation and air conditioning systems have also been fully upgraded. The bridge – the control centre of the ship – has been fitted with the latest in navigational aids and shipping technology including DGPS, radio and ultrasonic wind system.

Legacy

# SCIENTIFIC COMMITTEE

- ✦ Extreme E has appointed its own Scientific Committee, consisting of leading academics from the Universities of Oxford and Cambridge, who advise on the series' education and research programmes, event logistics and impact as well as the recommendation of positive legacy initiatives to support local communities in each race location.

Founding Scientific Partner, Enel Foundation, will help to co-ordinate the championship's scientific research and support the global outreach activities related to the Legacy Programmes.

This partnership will ultimately reinforce Extreme E's ability to raise awareness of, and assist with, the environmental and climatic challenges that the world faces, particularly looking at the ecosystems selected for the races.



Legacy

# PROF. PETER WADHAMS

Head of Scientific Committee  
and Arctic Expert



- ✦ Peter Wadhams has spent his career in the polar regions, with more than 50 trips to the Arctic, including some in submarines with the Royal Navy under the polar ice. He is credited with being the first scientist to show that the ice that once covered the Arctic Ocean was beginning to thin as well as to shrink.

He was Director of the Scott Polar Research Institute in Cambridge from 1987 to 1992 and has served as Professor of Ocean Physics at the University of Cambridge since 2001. His book, *A Farewell to Ice*, tells the story of his study of these alarming Arctic trends and describes what the consequences for our planet will be if Arctic ice continues to disappear at its current rate.

## QUOTES

*“Climate change has many aspects, but the main cause is CO2. We put about 40-50 gigatons of CO2 into the atmosphere every year. Whilst we are developing carbon capture techniques to take it out of the air, we need to do everything we can to minimise our emissions to help slow down the rapid rises in concentration that we are experiencing.*”

*“Electric cars are very important in that mission. If you’ve got an electric vehicle, the energy you power it with has come from a power source that can now be renewable in the current energy mix. People won’t give up their personal vehicles on which we have become too reliant as a society, so you have to cater for that with electric cars – and that will produce a big downturn in CO2 emissions.*”

*“Extreme E will help to showcase their capabilities and illustrate their desirability. The added interest in holding races in remote locations of extreme climatic interest, is increasing the attention paid to those areas and the issues they are facing – ensuring they’re not forgotten and that we can provide solutions. The scientists leading our efforts can then seek workable solutions to counteract those issues faced.*”

*“I, feel very honoured to be playing a key role in a project which has been solely developed to shine a light on the issues affecting the future health of our planet, and to help educate people about the real solutions that we can all adopt.”*”



Legacy

# FRANCISCO OLIVEIRA

Amazon Expert



- ✘ Francisco Oliveira is a leading Brazilian conservation expert with over 20 years' experience of working on the issues facing the Amazon Rainforest and its communities. Formerly the Director of Policies to combat deforestation at the Brazilian Ministry of the Environment (2012-2015), he recently completed a PhD on Amazon conservation in the Department of Geography at the University of Cambridge.

Francisco believes working with local communities to find real workable solutions is an important way to generate change and protect the region for future generations. And it's for this reason Extreme E is working with The Nature Conservancy in Brazil for its Legacy Programme.

## QUOTES

*"We have to balance conservation and development in the Amazon rainforest; achieving compromise is the future we need and want, and there's a lot of research to show that it's possible. We need science-based solutions. Working directly with smallholders and engaging local groups to generate positive change by creating sustainable business can benefit both communities and the rainforest."*

*"I've been extremely impressed by Extreme E from the start. It took me no more than 48 hours after an initial conversation with Alejandro (Agag) to agree to join the team – he and I were both inspired by the very first images of nature from Jacques Cousteau. The series' vision – communicating a very pressing issue facing our planet to a wide audience – is an infectious proposition."*

*"We need to bring these burning issues to a broader audience, and using the power of sport is a truly impactful way to drive them to the forefront. Everyone needs to know what the problem is all about, everyone should have the opportunity to understand and feel these problems so that they can find a way to contribute to solving them. More importantly, they must know of innovative solutions being implemented, for the strengthening of a sustainable economy in the Amazon, in line with the global needs of a low carbon development for the coming decades."*

*"Extreme E's legacy initiative is innovative. The pandemic we are currently facing shows that when you have science behind what you are doing, you have a much more effective way of facing problems. That's what we are planning to do with the Scientific Committee – put one more brick in this wall. That's important for me. Motorsport is a brand-new approach to these climate issues and I think it's an extremely interesting convergence."*



Legacy

## DR. LUCY WOODALL

Ocean Expert



- ✦ Marine Biologist Dr. Lucy Woodall will oversee the championship's Ocean events, having dedicated her career to understanding the impact of humans on the health of the world's marine environments and the factors that drive biodiversity in the ocean. Lucy has also pioneered research into the consequences of marine litter, and the effects and ubiquity of microplastics in the deep sea.

## QUOTES

*"Being embedded in the science world, we can all get stuck in our academic bubble but Extreme E is a really interesting way of engaging people on the importance of the ocean, helping others to understand that their daily lives are affected by the ocean, and in turn that their activities impact the ocean even if they don't live by it."*

*"The local and global perspective is important. In working with local scientists, communities and policy-makers and using coastal regions as case studies, Extreme E can highlight the consequences of the effects of climate change on local people, and can also illuminate the importance of working with different groups to develop location-specific mitigation programmes."*

*"The vessel St. Helena is also a key asset to this project. It provides visibility of shipping as a viable form of transportation for high-value and important goods. Its use for conducting scientific research and training is similarly a fantastic opportunity to investigate and share what the ocean does for humanity and what we can all do to maintain these benefits as part of a healthy planet."*



Legacy

# PROF. RICHARD WASHINGTON

Desert Expert



- ✦ South African native Professor Richard Washington is Professor of Climate Science at the University of Oxford and a Fellow of Keble College, Oxford. With degrees from the University of Natal and University of Oxford, Richard has lectured at the University of Stellenbosch and University of Cape Town. His doctorate on Africa-wide rainfall variability was undertaken alongside the University of Oxford and the UK's Meteorological Office.

His research focusses on African climate systems, climate change and its knock-on effects such as drought and flooding. He will lead and advise Extreme E on its African and Saudi Arabian events.

## QUOTES

*"I grew up in South Africa, and its climate system is fascinating. That was really the primary point of interest for me. You can't ignore climate change – it impacts all corners of society, right now.*

*"I'm really keen on sport – it's long been a passion of mine – and I came across Extreme E as a concept some time ago on the internet. I think it's a masterstroke to combine these concepts and goals with sport. It makes issues relatable for people.*

*"If I were to stand up and talk about convection in the Congo Basin, I don't suppose too many people would tune in to listen, but if you do it through a different angle, you might just get that audience. What we've discovered with climate and climate change is that we need all the help we can get, and this is a wonderful combination."*



Legacy

# PROF. CARLOS DUARTE

Climate Change Expert



- ✦ Distinguished Professor Carlos Duarte is based at the King Abdullah University of Science and Technology (KAUST) and holds the Tarek Ahmed Juffali Research Chair in Red Sea Ecology making him perfectly placed to advise Extreme E in the lead up to its Saudi Arabia Desert X Prix, and Legacy Programme in the area.

During his decades of dedication to ocean health, Professor Duarte has published more than 900 scientific papers and has been ranked within the top 1 per cent of Highly-Cited Scientists by Thompson Reuters. His research focuses on understanding the effects of global change in marine ecosystems and developing nature-based solutions to global challenges, including climate change, and evidence-based strategies, which aim to help rebuild the abundance of marine life by 2050.

Moreover, Prof. Duarte's research extends beyond the Red Sea to address the effects of climate change in Greenland Coastal ecosystem, greenhouse gas emissions from Amazonian aquatic ecosystems, the functioning of coastal ecosystems in Patagonia, and the role of mangrove and seagrass ecosystems, such as those in Senegal and Mauritania, on carbon sequestration, hence providing relevant scientific underpinnings across all of Extreme E's race locations.

## QUOTES

*"Climate science is now very robust and so are the actions we need to trigger to address the issues. Translating science into climate action is the challenge of our time, one that, due to the narrowing window of time to succeed, represents a race for a sustainable future. It is, thus, time, for champions, specifically racing champions, to guide the world from science to effective action."*

*"Extreme E's value proposition, to lead the world into a race for climate action, by bringing the massive audience that follows sport to the scenarios where the climate battles are being fought, has a huge potential to translate our science into action, reaching people much larger than those scientists can reach. Extreme E's Founder and CEO, Alejandro Agag, is known globally for the ambition of his projects, turning dreams into reality, and the stellar line-up of male and female drivers Extreme E has assembled are the best to plan, design and succeed in a race. Extreme E's operations are wholly consistent with this mission, from the advanced measures to reduce the carbon footprint of its operations to delivering impactful climate mitigation projects throughout the world that improve ecosystems and people's livelihoods, Extreme E provides an untapped exemplar of how sports, with their massive audiences, can lead us to succeed in our climate race."*

*"I am proud and honoured to join Extreme E's Scientific Committee to provide the scientific underpinnings for their action, and ready to roll up my sleeves and do my best to contribute to winning this momentous race."*



Legacy

# SAUDI ARABIA

- ✘ Extreme E has collaborated with the Ba'a Foundation, an organisation that focusses on preserving endangered species, natural habitats and historical sites to support turtle conservation along the Red Sea coastline.

Extreme E will support the protection of the endangered green turtle and the critically endangered hawksbill turtle, which are under threat for a variety of reasons including:

- Entanglement in fishing gear
- Illegal trade of eggs, which are considered a delicacy in some countries, and turtles shells
- Coastal development including building on nesting beaches
- Plastic debris
- Climate change causing rising sand temperatures, creating a gender ratio skew as turtle gender is determined by the temperature – the higher the temperature, the more likely the turtle is to be female – as well as rising sea levels which can erode nesting beaches and flood nesting sites

One of the nesting places the project focusses on is Ras Baridi, located 50 kilometres north of Yanbu city in Saudi Arabia, and a location where turtles are born and return

30 years later to reproduce. Unfortunately, due to the damage to the beach – created by transportation and cement dust from the nearby factory which solidifies the sand – the turtle returns to find 15-20 metres of the beach is flooded relative to its birth, so they have to reach higher ground.

The solidifying sand also makes it difficult for hatchlings to survive. In 2019, there was a 90 per cent mortality of eggs due to flooding of the nests in high-water seas.

Researchers at KAUST University have been monitoring turtle activity and behaviour for many years, by attaching a tracking device to their shells. Through this, it has noted a big issue due to erosion, which has created a cliff that turtles are falling off and sadly dying.

Extreme E will be supporting the turtle conservation through beach fencing, beach management and monitoring, improvements such as raising the level of the beaches to a suitable height with imported sand for turtle-nesting and successful egg-hatching, as well as education.



Legacy

# LAC ROSE, DAKAR, SENEGAL

- ✘ Extreme E is teaming up with local NGO, Oceanium, to plant one million mangrove trees in Senegal. In addition, Extreme E will support the EcoZone Project, a living lab that addresses the Lac Rose community's primary needs while preserving the environment through experiential learning, regenerative agriculture and a circular economy

The Oceanium project, which Extreme E has identified in partnership with TO.org, will focus on five areas totalling 60 hectares – the equivalent of around 112 football pitches – with the aim of reforesting mangroves, providing education to local populations and improving social cohesion.

Mangroves are one of the richest ecosystems in the world, providing essential goods and services and playing an important role in the life of coastal communities in countries like Senegal. In addition to being an excellent carbon store, they reduce flooding and erosion from storms, act as nurseries for fish and filter salt and pollutants from water.

Senegal has around 185,000 hectares of mangrove estuaries in the regions of Casamance and Sine Saloum, but unfortunately these are disappearing very quickly. Between 1980 and 2000, 25 per cent of Senegal's mangroves and 35 per cent of the world's mangroves were lost due to droughts and deforestation.

The loss of mangroves is having a negative impact not only on the environment, but also on local communities that depend on them for their livelihood, making it so important to restore these degraded areas..



Legacy

# LAC ROSE, DAKAR, SENEGAL

- ✘ TO.org is a legacy partner of Extreme E in Senegal and has been instrumental in bringing the series to the West African nation as a race location and identifying local legacy projects.

The EcoZone Project is specific to the village in Lac Rose, an area that was once a tourist hotspot but is now home to a community facing many challenges. This is in collaboration with GroupeSenghor (GS) and Extreme E's Senegal legacy partner, to.org.

Together, GS, to.org and Extreme E aim to raise awareness of climate issues by engaging local people to create a healthy environment and in turn build a sustainable community, through the provision of guidance, information and tools to empower. The EcoZone Project aims to establish hubs of inspiration and action for the whole community.

The community itself is in Niaga, around 30 kilometres from Dakar and home to 12,388 people. The area and its inhabitants face a variety of issues, which lead to economic vulnerability.

The three key areas of the project are community outreach, resource conservation and economic empowerment through a variety of initiatives that create a circular economy, allowing communities to become self-sufficient from both a living and economic perspective.

## The specific projects are as follows:

- Experiential learning at local schools to make them hubs for sustainable action and community cohesion
- Regenerative agriculture for productive land usage
- Tree-planting activities to help tackle climate change while increasing greener and healthier living
- Eco-construction by using Ecobriques and local creativity to enhance and beautify their neighbourhoods

Beyond Lac Rose, the Ecozone Project will spread to Dakar through the 'Ecobrique Challenge', where communities will be challenged to contribute to resolving the urban waste issue by producing Ecobriques (PET bottles filled up with dry and non-recyclable waste, mainly post-consumer plastics). This will divert over 40 tonnes of waste from landfill by engaging communities in ecological waste management practices and eco-construction.



Legacy

# KANGERLUSSUAQ, GREENLAND

- ✘ Extreme E has partnered with UNICEF, the world's leading children's organisation, to empower young change-makers in Greenland through climate education.

Extreme E, which will race in Kangerlussuaq, Greenland in August 2021 during its inaugural season, and its independent Scientific Committee composed of leading climate experts from the Universities of Oxford and Cambridge, will work closely with UNICEF UK and UNICEF Denmark in Greenland. Extreme E will support UNICEF's work on climate change education, helping children across Greenland to understand and address the climate-related issues which are putting them, and future generations at risk.

Extreme E will also support UNICEF's NAKUUSA programme, which this year celebrates its 10th anniversary, supporting children's rights in Greenland through the creation of children's councils that help to amplify their voices. The partnership will look to raise awareness amongst Extreme E fans and audiences of the effects of climate change in Greenland and on children.



Legacy

# SANTARÉM, PARÁ, BRAZIL

- ✘ In Brazil, Extreme E is teaming up with The Nature Conservancy, which works across the Amazon to provide opportunities for restoration. Extreme E will support The Nature Conservancy's Forest Restoration programme in Pará to secure 100 hectares of existing forest, restore 100 hectares of native forest and maintain more than 200 hectares of a cocoa-based agroforestry programme by working with 50 local smallholders.

With more than 24 years of conservation work across the Amazon, The Nature Conservancy (TNC) has a deep understanding of the major drivers of deforestation in the region as well as the opportunities for restoration, and this initiative works directly with local farmers to protect and reforest the Amazon.



Partners

# SPORTING PARTNERS



## FIA

The FIA is the governing body of global motorsport and promotes safe, sustainable and accessible mobility for all road users across the world.

Extreme E was officially granted FIA International Series status in October 2020.



## Formula E

Formula E is a minority shareholder in Extreme E, and with its investment comes a seat on the Extreme E Board of Directors which is held by Formula E CEO, Jamie Reigle. While the two businesses remain independent, the close collaboration of their leadership will allow a truly strategic partnership, as Extreme E CEO and Formula E Founder, Alejandro Agag, also retains the role of Formula E Chairman.

United in their founding purpose to counteract climate change by accelerating the adoption of electric vehicles, Formula E and Extreme E have a natural strategic alliance which has been formalised by Formula E's investment.

The partnership demonstrates an extension of Formula E's commitment to developing electric vehicles and sustainable mobility technologies, including now through Extreme E, which is set to trial electric SUVs in some of the most testing off-road conditions in the world.



Partners

# GLOBAL PARTNERS



## Continental

*Founding Partner and Official Tire Partner*

Continental develops pioneering technologies and services for sustainable and connected mobility of people and their goods. Founded in 1871, the technology company offers safe, efficient, intelligent, and affordable solutions for vehicles, machines, traffic and transportation. Continental generated preliminary sales of €37.7 billion in 2020 and currently employs more than 235,000 people in 58 countries and markets. In 2021, the company celebrates its 150th anniversary.

The Tires business area has 24 production and development locations worldwide. Continental is one of the leading tire manufacturers with more than 56,000 employees and posted preliminary sales of €10.2 billion in 2020 in this business area. Continental ranks among the technology leaders in tire production and offers a broad product range for passenger cars, commercial and special-purpose vehicles as well as two-wheelers. Through continuous investment in research and development, Continental makes a major contribution to safe, cost effective and ecologically efficient mobility. The portfolio of the Tires business area includes services for the tire trade and fleet applications, as well as digital management systems for tires.



## CBMM Niobium

*Founding Supplier / Official Niobium Technology Supplier / Official Chassis Technology Supplier*

CBMM is the world leading supplier of niobium products and technology. Headquartered in Brazil, with offices and subsidiaries in China, Netherlands, Singapore, Switzerland and the United States. CBMM offers technical innovation to customers around the globe through a team of over 2,000 highly trained, dedicated professionals providing cutting-edge niobium products and technology to over 400 clients in around 40 countries.



## Luisaviaroma

*Official Fashion Partner*

Defined by the Financial Times as “A haven for directional fashion,” LUISAVIAROMA.COM is the top online luxury fashion destination with 5,000,000 visitors per month and worldwide shipping. With each new season, the website presents the collections of more than 600 established designers and young emerging talents.



Partners

# GLOBAL PARTNERS



## Enel Foundation

*Founding Scientific Partner*

Enel Foundation is a non-profit organisation, founded by Enel S.p.A., that aims to explore and analyse current trends in the energy sectors at large to provide a scientific, rigorous, common interpretation of these dynamics in partnership with academic institutions and research organisations all over the world. Enel Foundation leads research and conducts outreach to support fact-based discussions and raise awareness for the challenges and opportunities around the clean energy transition, also as a way to combat climate change.

As a member and co-ordinator of the championship's Scientific Committee, Enel Foundation advises Extreme E on Legacy Programmes and co-leads the research activities carried out with the team of world-renowned scientists across each of the ecosystems in which the series will race as well as on board the series' floating centrepiece, the St. Helena.

The two partners announced their first open call for research for 2021, titled 'Racing for the Planet,' which invited scientists to join the voyage on the St. Helena and conduct research and outreach programmes during the transits between race locations, focussing on understanding climate change and/or consequences of this phenomenon and suggesting adaptation and mitigation pathways. Five projects have been chosen to join Extreme E's global voyage.



## Neat Burger

*Official Plant-Based Partner*

Neat Burger is the world's first plant-based sustainable burger chain and is backed by seven-time FIA Formula One World Champion, Lewis Hamilton, in collaboration with hospitality organisation, The Cream Group and UNICEF Ambassador and early backer of Beyond Meat, Tommaso Chiabra. Neat Burger offers a menu that appeals not only to those who follow plant-based diets, but to any individuals, meat-eaters included, who want to eat delicious meat-free dishes that are more sustainable, healthier and ethical.

As well as serving its plant-based dishes on location, Neat Burger is developing a dedicated burger for each Extreme E race, which will be tailored to the unique flavours and heritage of each host country. This special-edition menu will be available for order and delivery from Neat Burger restaurants each month throughout Season 1 of the championship.

Partners

# SUPPLIERS



## Spark Racing Technology

Founded in October 2012 by renowned engineer Frédéric Vasseur, Spark Racing Technology specialises in the design and build of hybrid and fully electric systems. A motorsport veteran of 20 years, Vasseur created the company to coincide with the arrival of the FIA Formula E Championship, a revolutionary and entirely electric series, and is now supporting Extreme E.

It is headquartered in Tigery, France.



## AFC Energy

AFC Energy plc is commercialising a scalable alkaline fuel cell system, to provide clean electricity for on and off-grid applications. This technology, pioneered over the past 12 years in the UK, is now being deployed in electric vehicle chargers, off-grid decentralised power systems and industrial gas plants as part of a portfolio approach to the decarbonisation of local electricity needs.

Extreme E has embarked on a world-first collaboration with AFC Energy, pioneering hydrogen fuel cell technology which will enable the championship's race fleet to be charged using zero-emission energy.



## Moncler

Renowned global luxury brand Moncler has provided a dedicated uniform for Extreme E's on-site team, protecting them from the elements during the remote races. The co-branded uniforms include some of the brand's most iconic outerwear as well as sweatshirts, T-shirts, soft-accessories and shoes for a mix of terrains.

Extreme E and Moncler share a common purpose when it comes to sustainability. The Italian luxury brand recently launched its new sustainability plan – Moncler Born to Protect – that renews the company's commitment towards sustainable development and further integrates social and environmental responsibility into its business model, focussing on five strategic drivers: climate action, circular economy, fair sourcing, enhancing diversity and giving back to local communities.



Partners

# SUPPLIERS



**Bosch**  
Official Power Tool Supplier

Bosch is one of the world's leading providers of power tools, power tool accessories and measuring tools, and Extreme E will use a range of Bosch's professional power tools to service its electric SUV, the ODYSSEY 21, which will be raced in some of the most remote corners of the planet to highlight the climate emergency.



**Kärcher**  
Official Cleaning Supplier

Kärcher is Extreme E's Official Cleaning Supplier and will provide the series with a range of cleaning equipment to ensure its fleet of ODYSSEY 21 electric SUVs are kept in immaculate condition at each of this year's five X Prixs, as well as maintaining the interior cleanliness of the championship's floating centrepiece, the St. Helena, home to the championship's vehicles, 50 crew and its on-board laboratory, which will host a variety of scientists.

By using modern resource-saving products with optimised water and energy consumption fed by St. Helena's own on-board water maker or the water by product from Extreme E and AFC Energy's revolutionary hydrogen fuel cell charging system, the Kärcher equipment ensures that no environmental damage will result – underlying Extreme E's mission to 'race without a trace' at all of its remote locations.



**MDD Europe**  
Medical Supplier

MDD Europe Ltd is Extreme E's on-event medical service. As part of this, MDD will be responsible for providing an on-track extrication and medical team, a paddock medical team and medical training to competitors.

As with all motorsport, safety is paramount. This is why Extreme E has enlisted the help of leading motorsport medical specialist MDD, which is also the official medical supplier to the FIA and a long standing on-track rescue team to FIA Formula E, supplier to Moto E and Medical Partner to the ETCR Series, amongst others.

MDD has worked in the motorsport industry for over 20 years, developing medical products and techniques which transfer into high-risk areas such as the track. It aims to continue to improve safety, clinical excellence and the quality of equipment and services available to the motorsport industry.



Partners

# SUPPLIERS

## YouGov Sport

### YouGov Sport

Extreme E has worked with YouGov Sport since its inception in 2018 to garner information about the championship's audience and their attitudes towards fighting climate change, a key aim of the series.

YouGov is an international research and data analytics organisation and its sports arm, YouGov Sport, provides continuous analysis of the media and sponsorship landscape. YouGov Sport has also used its global panel of more than 11 million people to ensure that Extreme E's objectives and development remain aligned with the constantly evolving attitudes towards fighting climate change in all its forms.

## Quantis

### Quantis

Quantis is a sustainability consulting group that guides top organisations to define, shape and implement intelligent environmental sustainability solutions. It delivers resilient strategies, robust metrics, useful tools and credible communications.

Extreme E is consulting with carbon measurement expert Quantis to calculate its corporate footprint and will continue to track and update this figure as its season unfolds.

## allcot

### Allcot

ALLCOT, a world-leader in carbon-offsetting and sustainability initiatives, develops innovative impact projects that enable businesses to support local communities to protect the environment by reducing their carbon emissions. These initiatives directly support the United Nations' Sustainable Development Goals, which call on governments, businesses and communities to put an end to poverty and protect the planet.

Extreme E has agreed a partnership with ALLCOT to offset the championship's carbon footprint in support of its objective to achieve a net-zero carbon footprint by the end of its first season.



Partners

# SUPPLIERS



## Telescope

*Official Audience Engagement Partner*

Audience engagement specialist, Telescope, works with media businesses and brands to make their content more fan-friendly. Using its bespoke suite of digital products and services, it develops unique creative solutions to help brands build their long-term engagement strategy. Those brands include Formula E, with whom Telescope has worked for over six years to deliver the FANBOOST product (prior to the arrival of Extreme E, Formula E was the only series in the world that let fans play an active role in influencing the outcome of the race).

Telescope is Extreme E's Official Audience Engagement Technology Partner, supporting the championship's own fan engagement initiative – GridPlay – which invites fans to vote for their favourite team, and the team with the most votes will be able to choose their spot on the starting grid.



**VELOCITY**

## Velocity Experience Ltd

*Live Event Partner*

Extreme E and Velocity Experience Ltd work together to develop innovative plans for presenting the championship's key events, with a focus on virtual and immersive experiences.

A live event and brand experience specialist across motorsport, Velocity has been Extreme E's chosen live event partner since the series was launched on-board the St. Helena in London in January 2019. The Velocity team produced the series launch and other key Extreme E media and fan events, including the Goodwood Festival of Speed car launch and the Autosport International fan exhibition.

Together with Extreme E, the Velocity team is developing innovative plans for touring race experiences and producing new ways and different approaches to hospitality.



Partners

# SUPPLIERS

## INTER / STATE

### Interstate Creative Partners

*Official Design Supplier*

Interstate is a creative agency that has a long association with international automotive brands and motorsport counting the FIA, F1, Formula E, McLaren, Infiniti and NIO as recent clients. Interstate's mantra: 'Ideas that matter for those that dare,' reflects the company's experience with highly motivated individuals and its ability to transform creative thought into tangible assets.

## mpacreative

### MPA Creative

*Official Communications Supplier*

MPA Creative provides PR, marketing and editorial solutions to the automotive and motorsport industry. With an enviable track record for dedication, attention to detail and delivering exceptional results via a willingness to go the extra mile. MPA was awarded the coveted 'Automotive PR Support Agency of the Year' trophy at the 2019 Newspress Awards.



Media

# SOCIAL MEDIA

## SOCIAL HANDLES

### Instagram

@ExtremeELive

### Twitter

@ExtremeELive

### Facebook

@ExtremeELive

### LinkedIn

EXTREME E

### YouTube

@ExtremeELive

### TikTok

@ExtremeELive

## OFFICIAL HASHTAGS

### Global Hashtags

#ExtremeE

#ElectricOdyssey

### Event Specific Hashtag

#DesertXPrix

#OceanXPrix

#ArcticXPrix



Media

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## IMPORTANT INFORMATION

### **MEDIA CENTRE:**

Please visit the Extreme E Media Centre to access images, videos and press releases:

<https://www.extreme-e.com/en/mediacentre>

### **ACCREDITATION:**

To apply for media accreditation please visit:

<https://www.extreme-e.com/en/accreditations/signup>



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**THANK**  
YOU

