



WORLD ELECTRIC
POWERBOAT SERIES

E1 SERIES

PRESS KIT



CONTENTS

01. CONCEPT

The E1 Series is the world's first and only electric powerboat racing series. The series was established to create an exciting, competitive racing platform to promote sustainable electric watercraft and reduce the environmental pressures being placed on the ocean, rivers and lakes.

The UIM E1 World Electric Powerboat Series will see up to 12 teams competing on the water in spectacular global race locations. The pilots will tackle tight and technical circuits, reaching speeds close to 50 knots (93 km/h or 58 mph) behind the wheel of the RaceBird powerboats designed by SeaBird Technologies and Victory Marine.

With ocean and sea freight responsible for transporting approximately 90 percent of global trade, the E1 Series aims to act as a testing ground for electric leisure powerboats and speed up the transfer of clean marine technologies across the industry.





The E1 Series was launched in 2020 by two close friends from the automotive world, Alejandro Agag (left) and Rodi Basso (right).

Alejandro is a groundbreaking pioneer of sustainable motorsport, having created three electric racing series from scratch: Formula E, Extreme E and now the E1 Series.

Rodi Basso is an entrepreneurial electrical engineer with a passion for the sea and innovation, with an impressive background in Formula One working with Ferrari, Red Bull Racing and McLaren (as well as time working with NASA).

During the COVID-19 lockdown, the two friends were taking a walk together on the River Thames in London and mused that the marine transportation world needed to catch up with the automotive world in adopting electric power.

From experience, they know that sport is a powerful platform for making change in the wider world, so they decided to create the E1 Series to not only offer exciting electric powerboat racing at spectacular venues around the world, but to drive innovation and change in marine mobility and try to leave a sustainable legacy in ports.

[Click here](#) to read the press release from the launch of the E1 Series in September 2020.



02. VISION

A new era of electric powerboat racing, the E1 Series is building a pioneering sports and entertainment event in order to increase awareness around the conservation of **the most important ecosystem for the survival of our planet: water.**



The E1 Series is the only global powerboat sports event sanctioned by the UIM that will promote electric marine mobility and provide the acceleration platform for manufacturers, teams and cities to participate in the shift away from fossil fuels to protect our blue planet.

Maritime transport is heading towards decarbonisation, but progress is slow. Electrification in the maritime world is still in its initial phase, although demand is building - with electric boat sales set to increase in the next 10 years according to the Enel Foundation and IDTechEx Data.

The marine industry is ripe for an electric boat championship, to act as both a development platform to accelerate technological innovation but also to showcase, inspire and increase the desirability of electric boats in leisure boating and commercial shipping.



From left to right:

- Dr. Raffaele Chiulli, UIM President,
- Thomas Kurth, UIM Secretary General,
- HSH Prince Albert II of Monaco,
- Rodi Basso, E1 Co-Founder and CEO,
- Alejandro Agag, E1 Founder and Executive Chairman.

03. RACEBIRD

The new design was co-created by SeaBird Technologies Founder Sophi Horne, alongside Brunello Acampora, Founder & CEO of Victory Marine, which is the Official RaceBird Engineering and Manufacturing Supplier of the E1 Series.

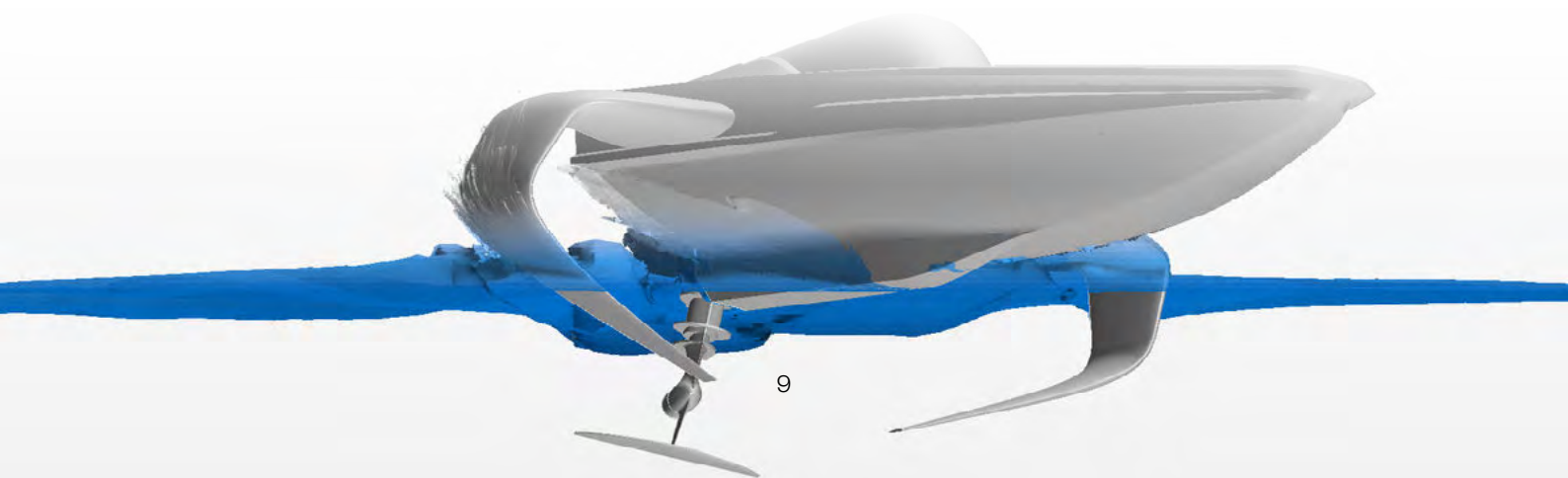
The vessel is a completely new design and was co-created by Horne and Acampora following an extensive validation process. The RaceBird is inspired by nature and birds hovering above the water and features an outboard motor, enclosed safety canopy, and hydrofoil technology.



Using innovative hydrofoil technology, the electric RaceBird powerboats will rise above the water's surface, allowing for minimum drag and maximum energy efficiency.

Being lifted above the surface will not only improve performance, but also promote close and competitive racing with a reduced wake when following an opponent.

The RaceBird is specially designed for foil-to-foil racing and is capable of reaching speeds up to 50 knots (93 km/h or 58 mph), with pilots showcasing their skills using tight and technical circuits located close to shore in the heart of urban areas.



RaceBird statistics



50 knots

Target speed

7m

Length

2m (with foils 3m)


Beam

0.5m

Foil Height

800kg (carbon fibre)

Weight



**“We are trying to design,
engineer and build a kind of craft
which does not exist.”**

BRUNELLO ACAMPORA

**“The RaceBird is
inspired by nature
and birds hovering
above the water”**



04. LEGACY

The E1 Series will electrify the ports and leave the charging infrastructure for future use, leaving a lasting legacy everywhere it goes. The championship wants to be at the forefront of accelerating the electrification of water transport, connecting communities and helping improve ocean health.

The E1 Series will commit, with its championship and city partners, to install permanent electric charging posts in each port where it races. These will remain after the racing as a lasting legacy and incentive for the local community to move to electric boating.

05. SUSTAINABILITY

The E1 Series will provide an opportunity for **scientific research** to study what is needed to conserve our most precious resource. The International Maritime Organisation (IMO) has outlined a greenhouse gas strategy targeting a reduction of CO2 emission of 50% by 2050.



Our vision is for a scientific platform that conducts experiments, analysis and tracking of water at every race location during the season.

- IOSS is available to supply logistics, Cloud data processing platform, data viewer and connectivity, [St. Helena facilities](#), instrumented buoys for research
- The scientific community and private research teams use IOSS to conduct experiments which they can monitor on-site or remotely
- Working in close cooperation with the Extreme E Sustainability Committee and the St. Helena Research Lab



St. Helena, Extreme E's floating paddock.

She's used to transport the championship's freight and infrastructure, including vehicles, to the nearest port to each of its five race locations, minimising Extreme E's emissions profile as well as facilitating scientific research through an on-board laboratory.

As part of its arrival in a host city, the E1 Series envisages organising a week-long Technology Festival, featuring a Fan Zone to excite and engage the local population about sustainability and E1's mission. The Festival will exhibit the latest sustainable technologies from championship partners, local government, science and industry projects and local start ups, as well as hosting thought leadership panels and information-sharing events. The Festivals will also tie into the scientific research projects focussed on water conservation and protection.



06. INNOVATION

The E1 Series will provide the platform for technological developments to make **sustainable marine mobility a reality quicker, easier and at a lower cost.** It will serve as a development platform to enable the transfer of knowhow and technology for commercial and leisure use.



The six-berth SeaBird electric foiling boat is the brainchild of designer Sophi Horne and will offer a truly unique and hassle-free boating experience in the future.

Whether gliding to work, relaxing with friends or exploring hidden coastlines, SeaBird can provide a natural escape.

The SeaBird will feature hydrofoil technology, lifting the hull above the water to allow for minimum drag and maximum energy efficiency. With a range of 50 nautical miles between each charge and accessible to anyone using a shared booking platform, the SeaBird will change the way people travel and transform marine mobility.

Available to ride worldwide, the futuristic SeaBird vessel can be rented by the hour, for a full day or more. The SeaBird can be hired to drive, or as a passenger, operated by expert local captains. As well as being a public boat sharing service, the SeaBird model will also be made available to purchase and own.



07. RACING

The E1 Series will feature the most competitive male and female racing pilots and leading teams in the most electrifying event on water.



10
events
per season
(starting 2023)

5 races at stop-off points

onboard the St. Helena (Extreme E's floating paddock)

e.g. Greenland / New York City / Miami / Amazon / Middle East

5 European races

(in city waters)

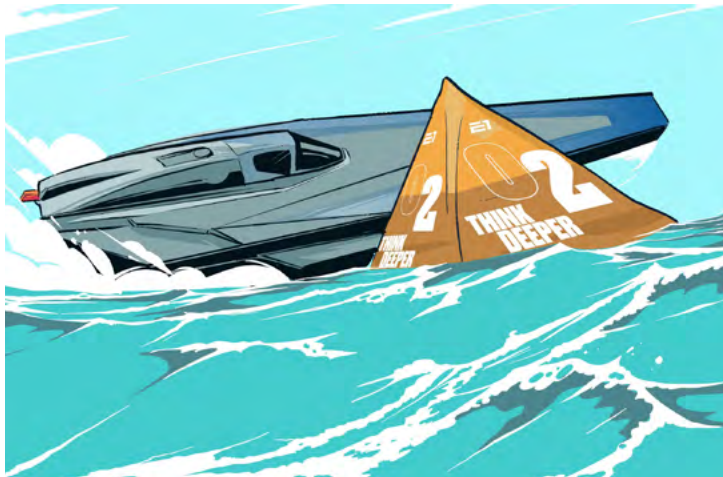
e.g. London / Geneva or Zurich / Naples / Monaco / Barcelona

*Note - These race locations are examples only.
The full provisional calendar will be revealed at a later date.

The expected format for E1 racing will be short races over two days, that includes a practice session, then timed trials, followed by knockout rounds before a Grand Final. The circuits will be tight courses that offer unpredictable racing, skilled handling and challenging transitions to foiling.

The goal of the E1 Series is to create genuine rivalries, where pilots can select to take on rivals for knockouts based on the timed trials.

Energy management will also be key. There is no recharging during racing so energy optimisation will be critical, with efficiency and strategy a decisive factor.



Up to 12 Teams will be invited to race, with 1 RaceBird pilot per team.

08. PARTNERS

SeaBird Technologies

SeaBird Technologies is an exciting new start up led by young designer Sophi Horne with a mission to make waves in the marine industry, through global electric powerboat racing and the creation of the first sustainable boat sharing service on the water.

SeaBird Technologies is also co-pioneering the revolutionary RaceBird powerboat to be used in the UIM E1 World Electric Powerboat Series. Working closely together with expert marine engineers at Victory Marine, SeaBird Technologies will manage the design and build process for the bespoke electric single-pilot powerboats.

Victory Marine

Victory Marine is the UK sister company of Victory Design, the renowned Italian yacht design and build company. VICTORY was founded over 30 years ago by Brunello Acampora, who still leads the company to date.

VICTORY has since proved to be a reliable stakeholder and partner in some of the most challenging concepts in record-breaking powerboat racers of all kinds, but also pleasure yachts, military crafts, marine defence and commercial workboats.

Learn more about Victory Marine at www.victorymarine.it

Kreisel Electric

Kreisel Electric GMBH & Co KG is an international battery solution-provider based in Rainbach, Mühlkreis district, Upper Austria.

The company was founded in 2014 by three brothers, Johann, Markus and Philipp Kreisel. Kreisel Electric produces the most innovative battery technology for e-mobility and for stationary storage systems. Its core competence includes battery development and production, integration and testing, prototyping and serial production, and software development.

Learn more about Kreisel at www.kreiselelectric.com

09. TEAM



Alejandro Agag

E1 Series Co-Founder & Chairman

(Speaks ESP, ENG, FRA, ITA)

Alejandro Agag is a pioneer of sustainable motorsport.

His career in motorsport began with Formula 1, where he acquired television rights for the series in his native Spain. Agag played a key role in expanding Formula 1 in Spain, and was instrumental in achieving major sponsorship deals.

Through his extensive connections in the motorsport industry and vision for a sustainable future, he was able to develop two electric race series from scratch: Formula E and Extreme E, which began its inaugural season this year in Saudi Arabia. The E1 Series is his latest venture in electric motorsports.



Rodi Basso

E1 Series Co-Founder & CEO

(Speaks ENG, ITA)

Rodi Basso is a Naples-born engineer with a passion for sustainability.

Having written his thesis with NASA, his background as an aerospace engineer led him to work with some of the biggest names in motorsports.

He worked with the Ferrari race team for six seasons before moving on to the Formula 1 Red Bull team for a further nine seasons and building the A1 GP championship, which required 22 cars with Ferrari engines.

In 2016, he became the managing director of McLaren, where he met Alejandro Agag. In 2020, during the first UK lockdown, he was out for a walk with Agag by the Thames and proposed a sustainable racing series, akin to Formula E. This led Rodi to work alongside Sophi Horne to develop what would eventually become the RaceBird.



Sophi Horne

RaceBird Designer - SeaBird

(Speaks ENG, NOR, SWE)

Sophi is a Norwegian designer and the originator of the RaceBird prototype.

She began her career in the marine industry designing interiors for super yachts at SH Maritime.

Driven by a desire to make leisure boating more accessible for the general public, she looked

for companies to work with that aligned with her vision of sleek, electric boats. When she couldn't find any, she created SeaBird and approached Alejandro Agag, who became the company's first investor. Sophi then went on to design the RaceBird, the boat unveiled on June 7, alongside Rodi Basso.



Brunello Acampora

RaceBird Builder - Victory Marine

(Speaks ENG, ITA)

Brunello studied as a yacht and power craft designer at Southampton Solent University in the UK.

After experience as a junior designer at Cougar Marine's drawing office (UK), Brunello

moved to Turin in Italy to found Victory Design, the naval architecture and marine engineering firm that he still owns and manages today.

10. MULTIMEDIA

Photo content

Access the [Google Drive here](#)

Credit: Lloyd Images / E1 Series

Video content

Teaser Film: [Watch here](#)

Launch September 2020 (Monaco): [Watch here](#)

Digital Unveiling (June 2021): [Watch here](#)



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