

The Breakthrough yacht is a 118.8-meter luxury motor yacht built by Feadship, the world's first hydrogen fuel cell superyacht with a length of 118.8 m, a beam of 19 m, and a draft of 5.25 m. It has a gross tonnage of 7,247 GT and can reach a maximum speed of 17 knots, powered by a hybrid diesel-electric system that can utilize hydrogen fuel cells for **zero-emission cruising**. The yacht was launched in 2024 and delivered in 2025, with a capacity for 30 guests (12 Charter) in 15 cabins and a crew of 44.

General specifications	Performance and propulsion
<ul style="list-style-type: none"> • Builder: Feadship • Length: 118.8 m (389' 9") • Beam: 19 m (62' 4") • Draft: 5.25 m (17' 3") • Gross Tonnage: 7,247 GT • Hull: Steel with an aluminum superstructure • Delivered: May 2025 	<ul style="list-style-type: none"> • Maximum Speed: 17 knots • Cruising Speed: 14 knots • Range: 6,500 nautical miles at a cruising speed of 14 knots • Propulsion: Hybrid diesel-electric system with MTU generators, ABB Azipods, and a hydrogen fuel cell system • Fuel: Uses a hybrid system, including a 92-cubic-meter liquid hydrogen tank for zero-emission cruising, and can also use HVO and methanol for other low-carbon alternatives

While interior photos of the Feadship Breakthrough yacht are not widely available due to its 2025 delivery and design, official descriptions and reports suggest a "luxe coastal vibe" with a calming color palette of light neutrals, textured fabrics, leathers, marble, rattan, and fumed eucalyptus.

The luxury interior is designed by [RWD](#) and features an impressive array of amenities, including an 8.2-meter infinity pool, a semi-submerged "Neptune lounge," a cinema, a library, a full owner's deck, a wellness center, and 15 guest cabins for up to 30 guests.

Interior features
<ul style="list-style-type: none"> • Design aesthetic: A coastal-inspired "luxe coastal vibe" using a palette of light neutral colors, textured fabrics, leather, marble, rattan, and fumed eucalyptus. • Owner's deck: A full owner's deck with twin bedrooms and offices. • Entertainment: A cinema and library are included. • Wellness: A wellness center and spa are featured. • Pool: An 8.2-meter infinity pool with contraflow technology. • Lounge: A semi-submerged "Neptune lounge" for direct sea access. • Other amenities: A glass elevator for seamless movement between decks. • Guest capacity: Accommodates 12 guests in 15 staterooms, with space for a crew of 44.

Additional details

The yacht is powered by a 3.2 MW hydrogen fuel cell system, making it a pioneering eco-conscious option for a superyacht.

- **Award-winning:** The vessel is multi-award-winning, highlighting its innovative design and advanced features.
- **Eco-friendly design:** It is the first superyacht to integrate a fully operational hydrogen fuel cell system for emission-free cruising at anchor and up to 10 knots when underway.
- **Luxury amenities:** The yacht features a sweeping atrium with a spiral staircase, floor-to-ceiling windows, a cinema, library, spa, and gym, as well as a private dining room with a sea terrace.
- **Innovative technology:** While prioritizing zero-emission operation, it also has onboard generators that can burn methanol and HVO (Hydro-treated Vegetable Oil) for longer voyages, which shows an industry-wide move towards low-carbon alternatives.
- **Target audience:** The yacht is positioned to appeal to charter guests who are both environmentally conscious and seeking the highest levels of luxury and personalized service.