

<p>Informazione Regolamentata n. 2211-87-2024</p>	<p>Data/Ora Inizio Diffusione 20 Maggio 2024 10:18:35</p>	<p>Euronext Star Milan</p>
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Societa' : SANLORENZO

Identificativo Informazione Regolamentata : 191002

Utenza - Referente : SANLORENTON03 - -

Tipologia : REGEM

Data/Ora Ricezione : 20 Maggio 2024 10:18:35

Data/Ora Inizio Diffusione : 20 Maggio 2024 10:18:35

Oggetto : Sanlorenzo launches 50Steel, the only to use a green methanol fuel cell system for onboard energy

Testo del comunicato

Vedi allegato

SANLORENZO

SANLORENZO LAUNCHES 50STEEL THE ONLY TO USE A GREEN METHANOL FUEL CELL SYSTEM FOR ONBOARD ENERGY

Over seven hundred guests witnessed the launch of the Superyacht that will introduce the green methanol Fuel Cell system for zero-impact energy production to the market.

Press release, May 20th, 2024 - Sanlorenzo achieves a new significant milestone in its journey of radical technological innovation towards *carbon neutrality*: during the **2024 Élite Days**, the exclusive event dedicated to its yacht owners, the first unit of the **50Steel** was launched, the world's first superyacht that, in July 2024, will be delivered with a Green Methanol Reformer Fuel Cell system, capable of powering the onboard *hotel systems* with zero emissions.

Not only innovation and sustainability: 50Steel will introduce another innovation to the market destined to mark the history of the yachting industry, the **HER (Hidden Engine Room) system**, a revolutionary onboard concept that has allowed for the maximization of space to create a precious additional living area, modifying the traditional layout of the boat.

"With the launch of the 50Steel, Sanlorenzo celebrates a fundamental milestone in its history, in the spirit of innovation and sustainability. The new line of superyachts embodies the pioneering spirit and passion for challenges that have always guided us in the design and construction of our fleet", declares Cav. Massimo Perotti, Chairman and CEO of the Sanlorenzo Group. "I believe what sets us apart is the ability to drive industry innovation, embracing cutting-edge solutions not only in design, always elegant and comfortable, but also in the field of technology and sustainability, to achieve the ambitious goals of reducing our environmental footprint."

The green methanol Fuel Cell system

50Steel is the world's first Superyacht to accommodate the modular **Reformer - Fuel Cell** system, developed in collaboration with Siemens Energy, capable of transforming green methanol into hydrogen and then into electrical energy to power all the yacht's *hotel systems* without storing hydrogen on board. This **revolutionary solution** will allow the ship to generate electrical energy up to a maximum of 100kW, with propulsion engines and diesel generators turned off: the system, **completely carbon-neutral**, significantly increases the time spent at anchor without diesel fuel consumption, **covering about 90% of the typical usage time of a superyacht with zero emissions.**

The HER system (Hidden Engine Room)

The **HER** system, patented by Sanlorenzo, allows for new ways of interpreting space while keeping the product under 500 tons of displacement and enables a redesigned layout of the engine room. From the usual two levels occupied, now there is a horizontal development of the propulsion systems and a new distribution of the technical area in the under lower deck. This allows for the exploitation of new spaces in the lower deck area, where an additional lounge, the Ocean Lounge, comes to life, directly connected on one side with the large aft Beach Club equipped with a pool, and on the other with the guest area, where cabins are accompanied by a GYM area and a SPA area.

Unprecedented volumes and elegant spaces, in perfect Sanlorenzo style

50Steel spans over **five staggered decks**, creating spacious areas and reducing partitions and barriers. This new and disruptive internal architecture is imperceptible from the external profile, which maintains a clean and essential line, in perfect Sanlorenzo style, thanks to the innovative design by **Zuccon International Project studio**.

Ascending five steps from the Ocean Lounge, you reach the main deck and the heart of 50Steel, consisting of a spacious and sophisticated salon, that epitomizes the essence of the onboard experience.

The stairs, designed to let light through, run through the interior of the boat connecting different areas, from the area dedicated to the gym and SPA on the lower deck, to the second salon on the upper deck. In the middle is the dining room which, thanks to layout opportunities, takes on a new dimension on the 50Steel: **clear heights vary from 2.1 meters up to 3.35 meters**.

The alteration of the traditional distribution system of spaces has allowed for the optimization of every corner of the boat: 50Steel accommodates four guest cabins and one for the owner, as well as two pools respectively on the aft Beach Club and on the sun deck.

The connection between the different areas is also enhanced externally: the three upper levels are connected via a system of stairs, with maximum level differences of one and a half meters, which do not affect the profile of the boat. Remaining consistent with the principle of maximizing onboard comfort that characterizes Sanlorenzo yachts, the aft Beach Club, with its three open terraces, becomes, when anchored, a 150 sqm beach on the sea.

The synergy among the various spaces is also achieved thanks to the project by **Piero Lissoni**, the signature behind the interior design of this first unit. Reinventing classic past styles in a contemporary key, Sanlorenzo's Art director has created spaces imbued with sophistication conferred by elements such as coffered ceilings and dark wood walls.

For this complex and challenging project, Piero Lissoni has employed 3D technology for the first time, allowing the technical model developed by Sanlorenzo to be overlaid with the architectural model, ensuring optimal control over every detail.

TECHNICAL DATA

Overall length: 49.99m

Maximum beam: 9.40m

Design draft: 2.96m

Gross tonnage: 499 GT approx.

Hull: Steel

Superstructure: Aluminum

Guest accommodation: 10 people

Crew accommodation: 9 people

Engines: MAN D2862-LE489 1066 kW (1450 PS) @ 2100 RPM

Generators: 1 x 118 kW

Maximum speed (approx) (*): 16 knots

Cruising speed (approx) (*): 12,5 knots

Economical speed (approx) (*): 11 knots

Autonomy at economical speed (approx): 4,000 nm

Fuel capacity: 55,000 lt

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Sanlorenzo

For over 60 years, Sanlorenzo has been a *worldwide-recognized Made in Italy icon*, producing *custom-built, top-of-the-line* motoryachts that blend *quality, design* and *craftmanship with the most advanced and sustainable engineering and technological solutions*.

The shipyard, the world's first mono-brand in the production of yachts and superyachts over 24m, was founded in 1958 in Limite sull'Arno, near Florence, by two shipwrights, Gianfranco Cecchi and Giuliano Pecchia. In 1972 it was taken over by Giovanni Jannetti, who moved its headquarters to Ameglia (SP) in 1999. In 2005, *Massimo Perotti* - with twenty years of experience in the sector - picked up the baton by purchasing the company. Under his guidance, Sanlorenzo registered an extraordinary growth: the net revenues from new yachts increase from €40 million in 2004 to €840 million in 2023. In 2019 the company was listed on the Euronext STAR segment of the Italian Stock Exchange.

Today, the production of the Business Yacht Unit (in composite from 24 to 40m) and the Business Unit Superyacht (metal from 44 to 73m) is distributed across 4 shipyards: La Spezia, Ameglia, Viareggio, Massa.

The strong drive for innovation that has characterised the company's vision has enabled the company to introduce numerous solutions over the years that have profoundly changed the yachting world, such as the *terraces within the hull*, the *asymmetrical layout* or the *open space concept on board*. Fundamental in this path was the close collaboration with the world of design and architecture, developed entrusting the realisation of the interiors of its yachts to authoritative signatures such as Rodolfo Dordoni, Citterio Viel, Piero Lissoni (since 2018 Art Director of the company), Patricia Urquiola and Studio Christian Liaigre.

If design, innovation and art were the drivers of the 2010-2020 decade in Sanlorenzo's vision, for the decade up to 2030 the focus lies on sustainability and technological revolution, attention to the supply chain and services dedicated to its clientele.

The company has set out a clear path toward carbon neutrality, the "*Road to 2030*," which is embodied in exclusive strategic agreements with the world's largest players in the fields of mobility and sustainable energy, such as Siemens Energy and Rolls-Royce Solution GmbH - Global Marine (MTU), for the development of the most innovative and environmentally friendly solutions for Sanlorenzo and subsidiary Bluegame's yachts, such as green methanol and hydrogen, which will revolutionize the boating world in the coming years.

Two important milestone will be achieved in 2024, in terms of both technological and sustainable innovation of Sanlorenzo. The launch of the *Superyacht 50Steel*, with the first installation of the Fuel Cell system powered by hydrogen reformed directly on board from green methanol, for power generation feeding hotellerie services - resulting from the exclusive agreement with Siemens Energy and certified by Lloyd's Register -, and the deliveries of the *Bluegame BGH* tender, powered exclusively by hydrogen and zero emissions, which in October will compete in the America's Cup as a supporting "chase boat" for both the New York Club American Magic team and the French Orient Express team.

Consistent with its identifying values, Sanlorenzo's commitment to sustainability and the promotion of marine culture is also expressed through two prestigious projects.

The *Fondazione Sanlorenzo* strongly wanted by the Perotti family, which, born in 2022, implements actions aimed at supporting Italy's minor islands and improving the economic and social conditions of their communities, starting with their youngest members.

Sanlorenzo Arts Venice, the Group's new cultural research center, a founding member of the Venice World Capital of Sustainability Foundation: a hybrid space dedicated to culture and the arts, encapsulating Sanlorenzo's values of sustainability, innovation and design, which aims to contribute to a global movement to foster positive change, for a more sustainable future.

Fine Comunicato n.2211-87-2024

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