

4-5 SEPTEMBER 2023

# SANLORENZO – EURONEXT SUSTAINABILITY WEEK



**SANLORENZO**

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# Sustainability: our strategic approach

## KEY PILLARS



PRODUCT



PRODUCTION



SUPPLY CHAIN



PEOPLE AND  
COMMUNITIES

## ENABLING PILLARS



SUSTAINABILITY  
GOVERNANCE



TRANSPARENCY &  
STAKEHOLDER  
ENGAGEMENT

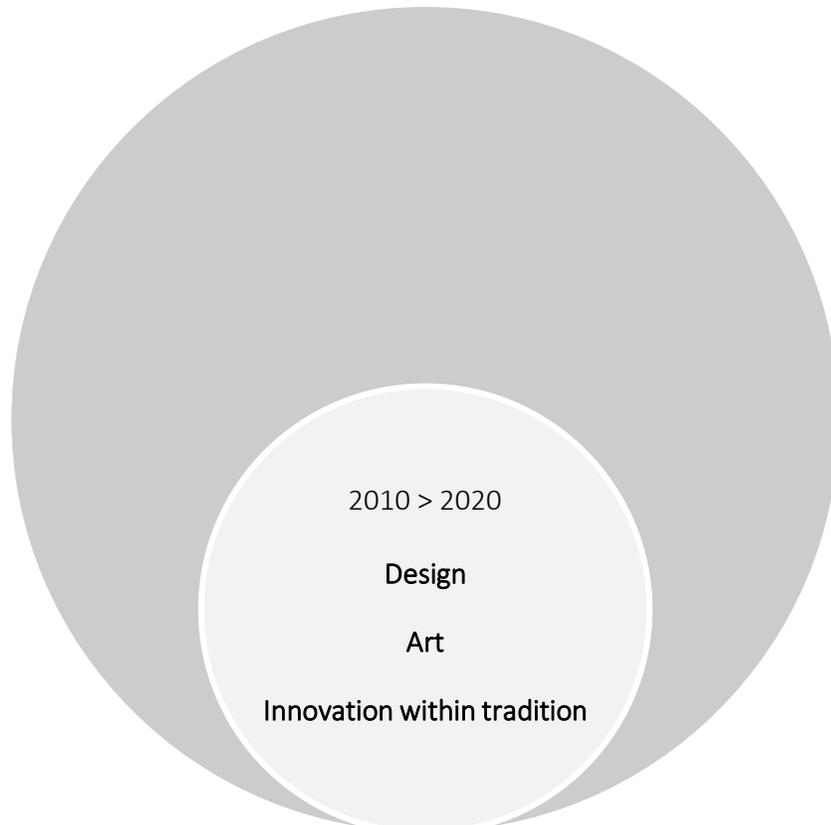


EXTERNAL  
COLLABORATIONS

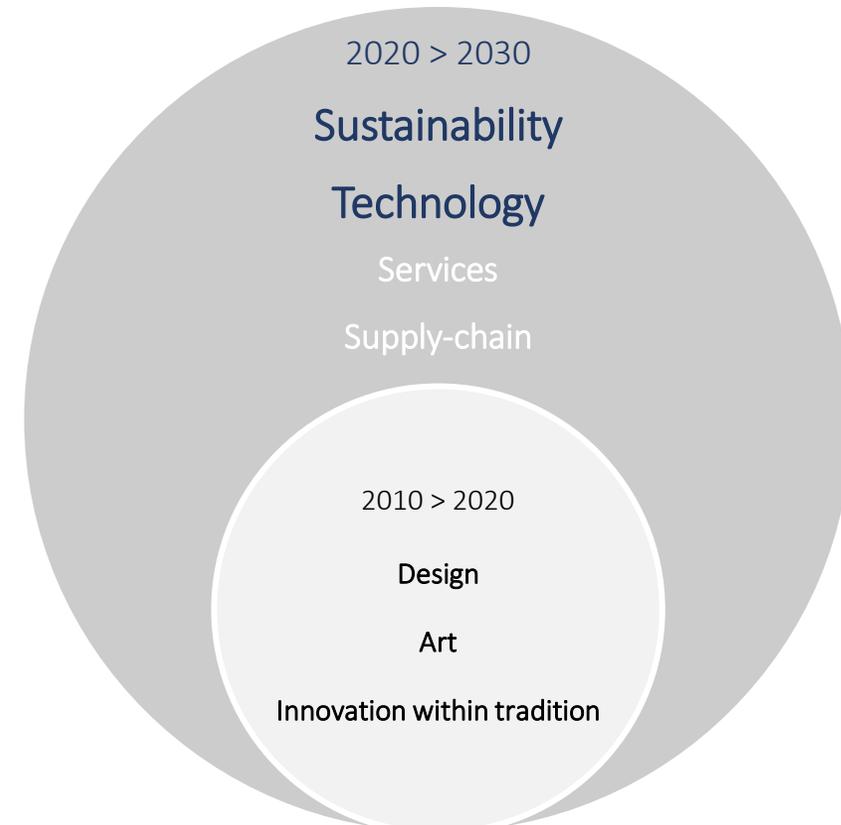
## Our Road to 2030

Sustainability through Technology, moving even closer to our Clients and to our key Suppliers

Last 10 years



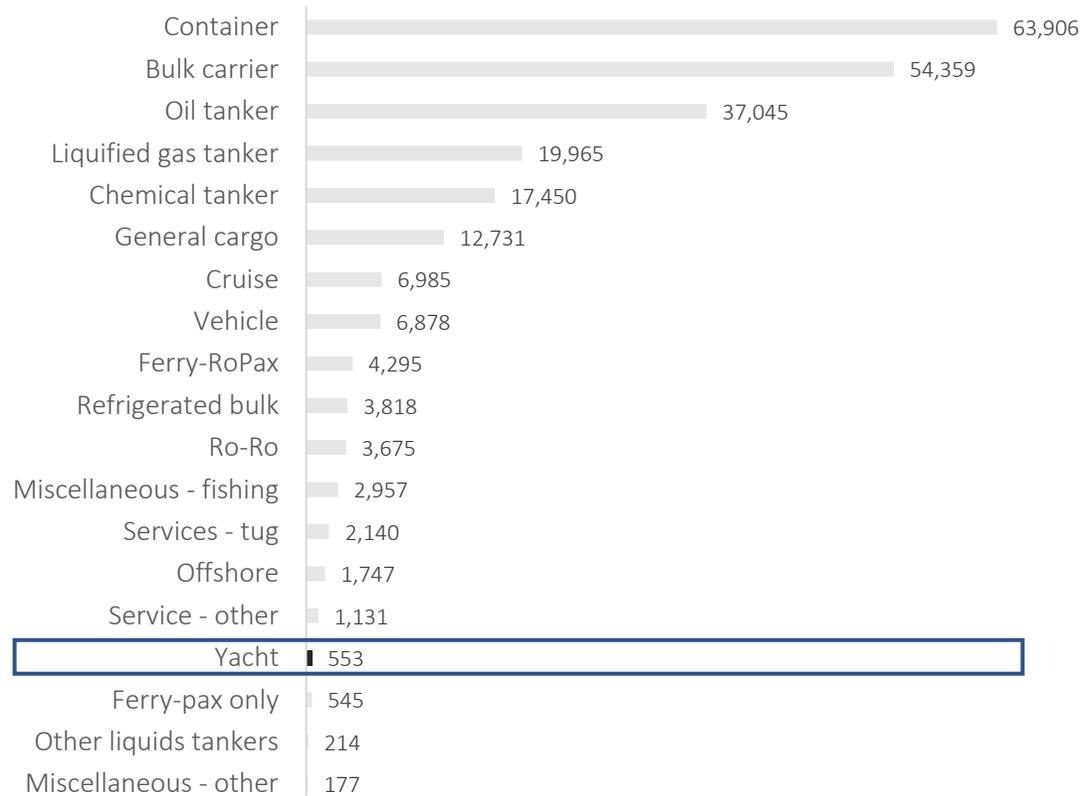
Next 10 years



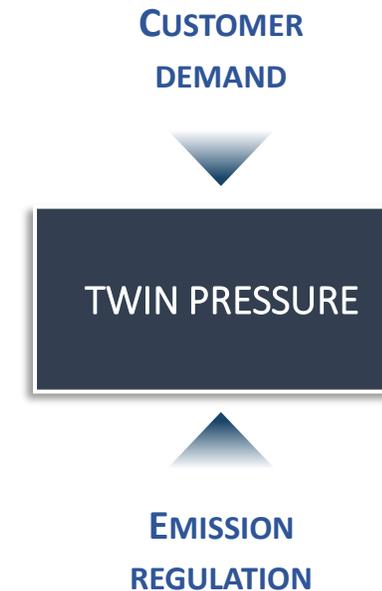
# Marginal impact of yachting...

Shipping represents ~3% of global greenhouse gas (GHG) emissions equivalent to the total CO<sub>2</sub> emissions of Germany<sup>1</sup>.  
Yachting represents 0.2% of shipping emissions<sup>2</sup>

HFO-equivalent<sup>3</sup> fuel consumption (k/tonnes)  
2018<sup>1</sup>



- Overall incidence of yachting on global GHG emissions equals approx. 0.006%, but...



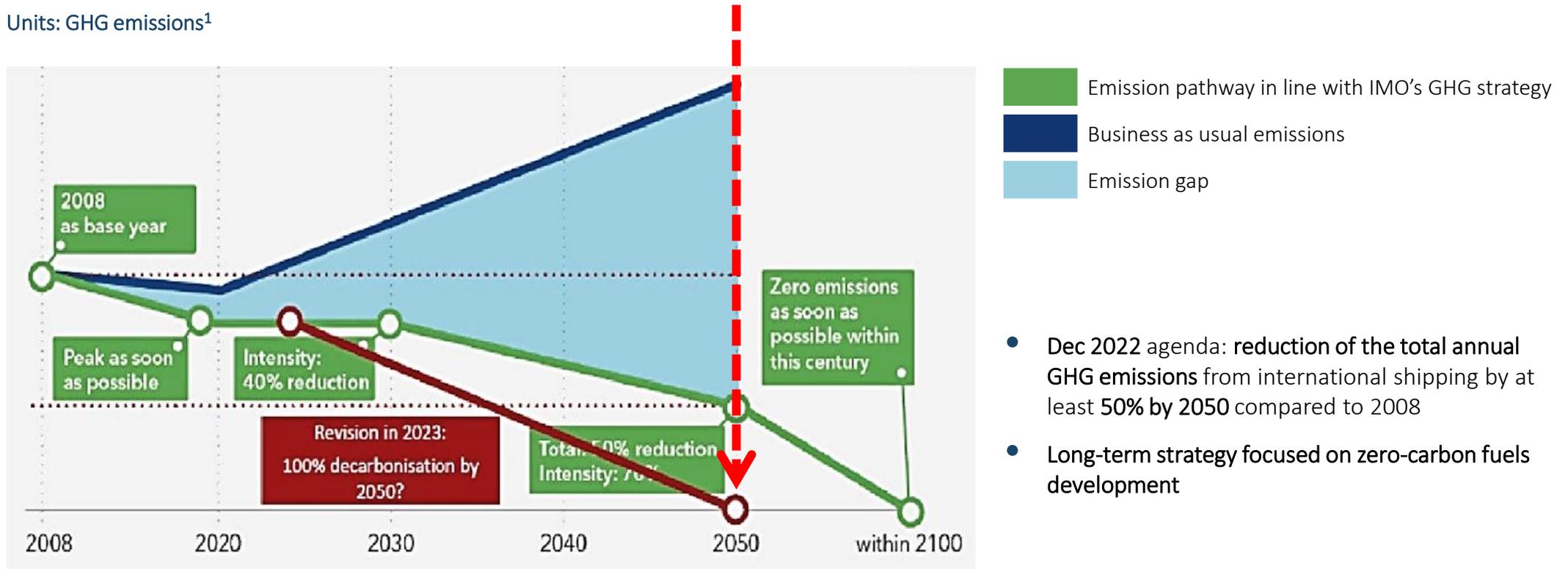
1. Sources: All at sea, methanol and shipping – Longspur Research, January 2022; European Commission <https://ec.europa.eu/research-and-innovation/en/horizon-magazine/emissions-free-sailing-full-steam-ahead-ocean-going-shipping>  
 2. Source: Fourth edition greenhouse gas study 2020 - International Maritime Organization (IMO), 2021  
 3. Note: Heavy Fuel Oil equivalent

## ...yet the moment to act is now

IMO's strategy on Greenhouse Gas (GHG) emissions reduction:

### ZERO EMISSIONS BY 2050 ON A "WELL-TO-WAKE"<sup>1</sup> BASIS

Units: GHG emissions<sup>1</sup>



- Dec 2022 agenda: reduction of the total annual GHG emissions from international shipping by at least 50% by 2050 compared to 2008
- Long-term strategy focused on zero-carbon fuels development

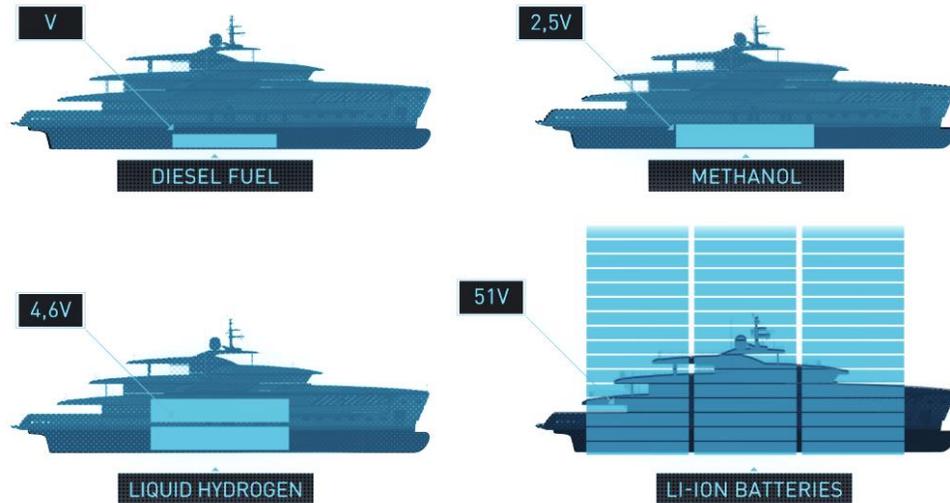
Total: refers to the absolute amount of GHG emissions from international shipping

1. «Well-to-wake» refers to the entire process of fuel production, delivery and use onboard ships, and all emissions produced therein.  
 2. Source: DNV, 20 December 2022.

# Green methanol is the most promising next-gen clean fuel

The implementation of green methanol is expected to play a key role in the decarbonisation of shipping industry

## Equivalent volume for energy storage



## Why green methanol

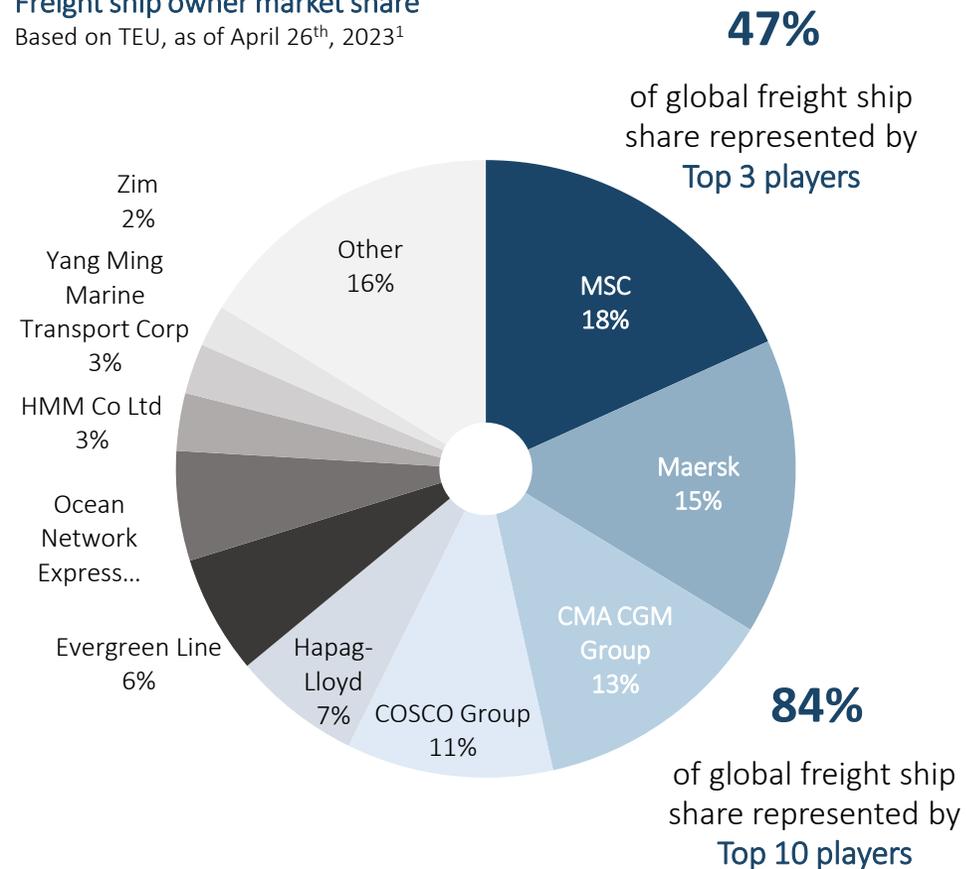
- Liquid, bio-degradable and safe to handle
  - Existing infrastructure can be adapted, many harbours already handle methanol for trading
  - “Low-flashpoint fuel” familiar for classification societies
  - Best compromise in volume and energy density compared to other GHG-friendly fuels (2.2-2.5x diesel)
  - Production of green methanol based on green hydrogen
- Hydrogen and methanol stand out as key solutions in a market worth \$105bn per annum with **methanol taking an immediate role as commercially and technically viable today<sup>1</sup>**
    - Energy density is the reason battery use is limited for long distances
    - The caustic nature of ammonia is an issue for this fuel
    - Hydrogen requires pressurisation and pressurised storage, increasing costs

# Global industrial behemoths are investing in the same direction

Over 150 players within the maritime, energy infrastructure, and finance sectors signing on to the Global Maritime Forum 'getting to zero' coalition; top players investing in e-methanol means faster infrastructure development

## Freight ship owner market share

Based on TEU, as of April 26<sup>th</sup>, 2023<sup>1</sup>



- **MAERSK**
  - 8 container ships running on e-methanol ordered in the Fall 2021. Increased to 12 in January 2022
  - Joins a €10bn project in Nov. 2022, partially financed with EU recovery fund, to produce up to 2 million tonnes of e-methanol a year in Spain by 2030
- **STENA (shipping) – PROMAN (world's largest producer of methanol)**
  - 3 methanol dual-fuel tankers launched, 5 to be delivered by 2023
- **MITSUI – WATERFRONT SHIPPING (Methanex Group)**
  - Joint effort to advance the commercialisation of renewable methanol as a viable marine fuel. Methanex has 30 vessels in operation
- **NORVEGIAN CRUISE LINES** plans to adapt its newbuilds to methanol as their primary fuel

1. Source: Alphaliner, <https://alphaliner.axsmarine.com/PublicTop100/>  
 2. Source: All at sea, methanol and shipping – Longspur Research, January 2022.

## Financial system and customer demands are encouraging

- Over 150 players within the maritime, energy infrastructure, and finance sectors signing on to the Global Maritime Forum 'getting to zero' coalition
- **Bill Gates-led Fund Backs Methanol as Green Shipping Fuel.**  
Methanol could help giant cargo vessels that power world trade cut climate-warning emissions.
- 61% of the container ship orderbook consists of methanol newbuilds (Clarksons Research)
- In November 2021, **Maersk** successfully placed an inaugural 10- year **EU 500m green bond** to fund the delivery of the recent placed order for eight large container ships to run on e-methanol
  - The transaction was met with great positivity by investors and was seven times oversubscribed with a final order book value of EU 3.7 billion

Major consumer goods shippers signing  
The Cargo Owners Zero Emission Vessel Initiative<sup>1</sup>



1. Source: All at sea, methanol and shipping – Longspur Research, January 2022.

## Sustainability at the heart of Sanlorenzo R&D

Sanlorenzo is the first player of the international yachting arena to develop zero emission, carbon neutral solutions – supported by exclusive agreements with major global players



### SIEMENS energy

- Exclusive agreement signed in August 2021 for the joint development of solutions for the integration of fuel cells in 24-80 meter yachts



- Exclusive agreement signed in August 2022 which will allow the integration of a MTU innovative internal combustion system, powered by methanol, with Siemens Energy's methanol powered fuel cells

2024

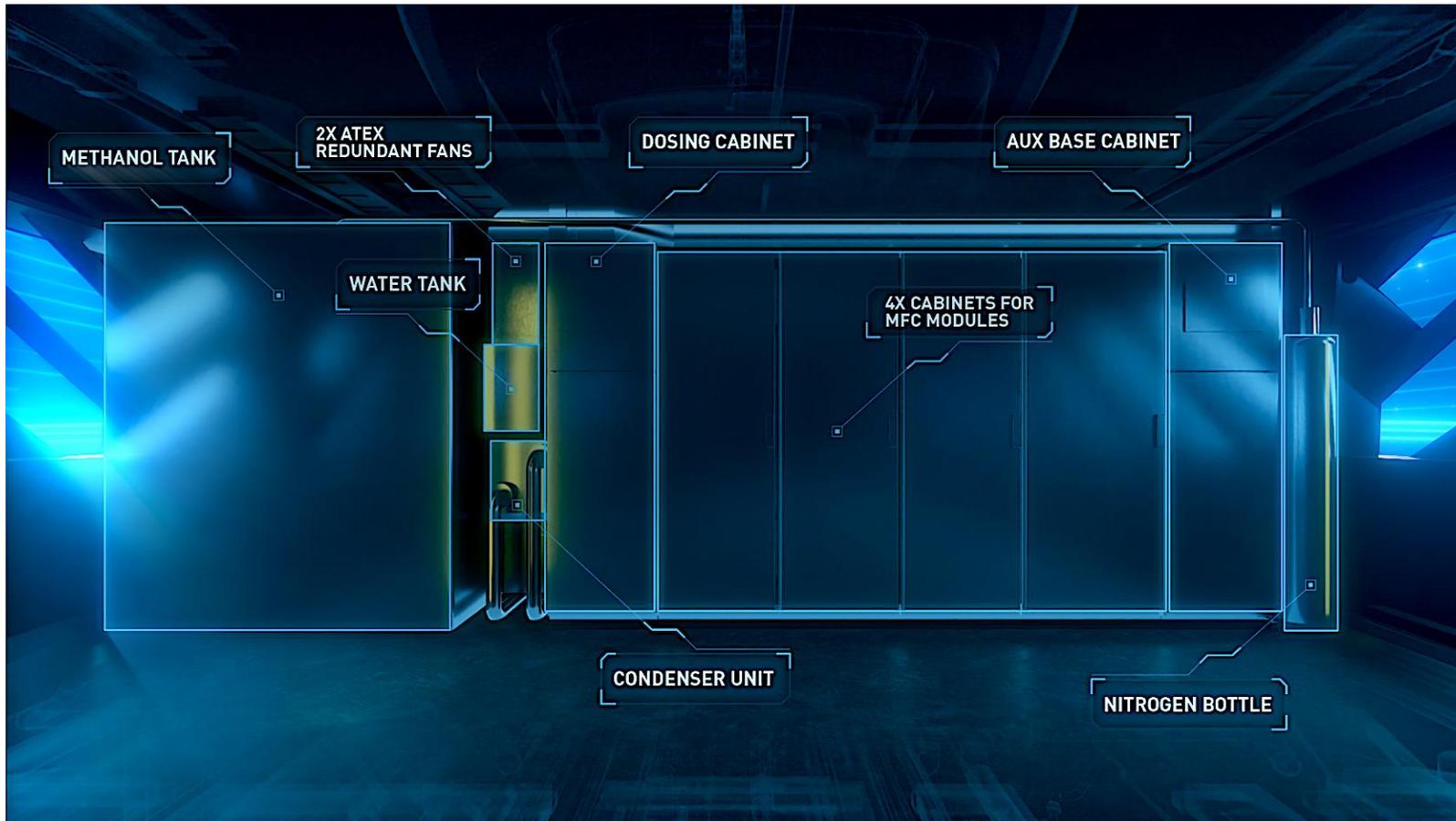
50-metre Superyacht equipped with fuel cells for generating electricity on board using hydrogen, continuously reformed from methanol. Première at 2024 Monaco Yacht Show

2030

Duel-engine Superyacht allowing Atlantic crossing, combining a MTU innovative internal combustion system, powered by methanol, with Siemens Energy's methanol powered fuel cell systems

# Sustainability at the heart of Sanlorenzo R&D

Pioneering the application of avant-garde sustainable technologies, fostering a shift to sustainable yachting

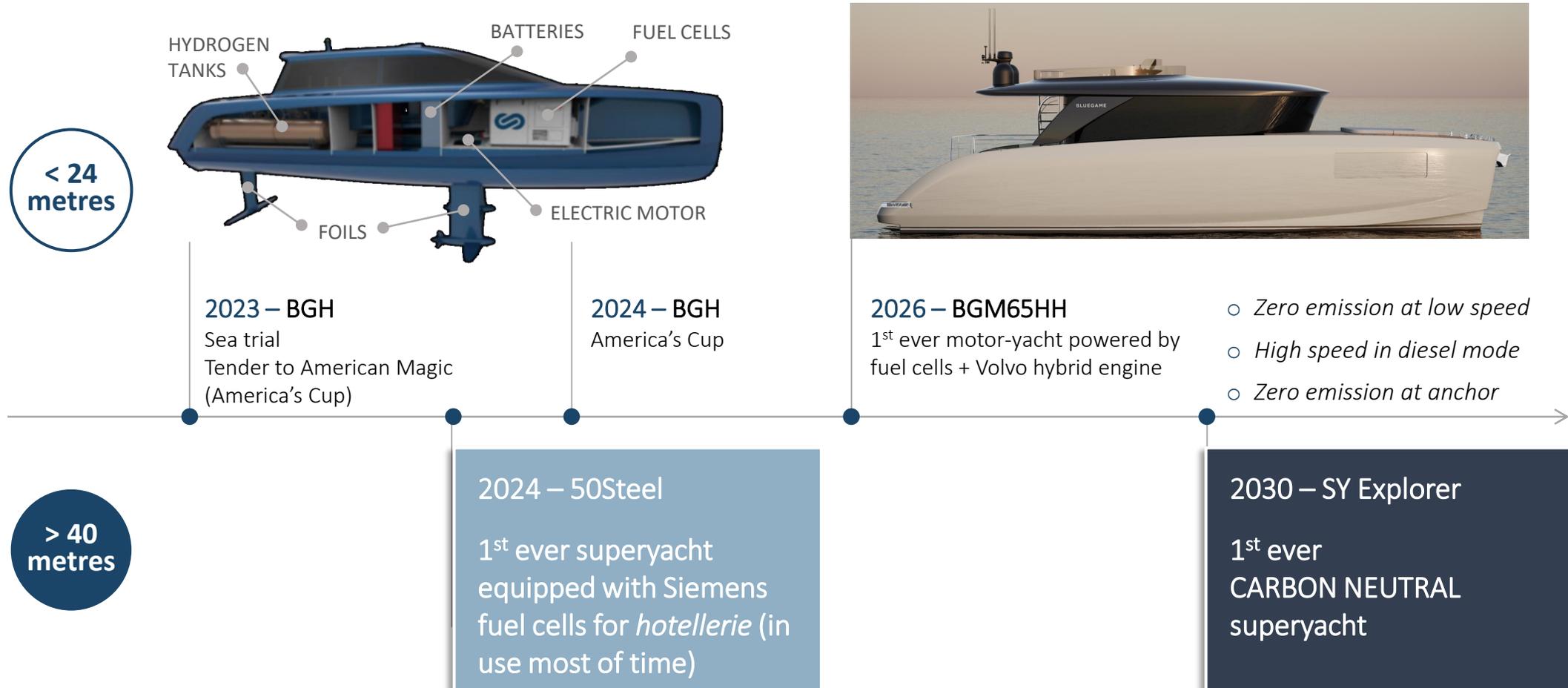


## The fuel cell system

- The use of **green methanol**, produced with solar or wind power and CO<sub>2</sub> captured from the atmosphere, is **carbon-neutral**
- The quantity of CO<sub>2</sub> released in the air during **combustion is equal to the quantity of CO<sub>2</sub> captured** from the atmosphere to produce **green methanol**

# Road to 2030 – trailblazing the green transition of yachting

Bluegame – unconstrained by the MAYA principle – as “innovation feeder” to the main Sanlorenzo brand in the Road to 2030



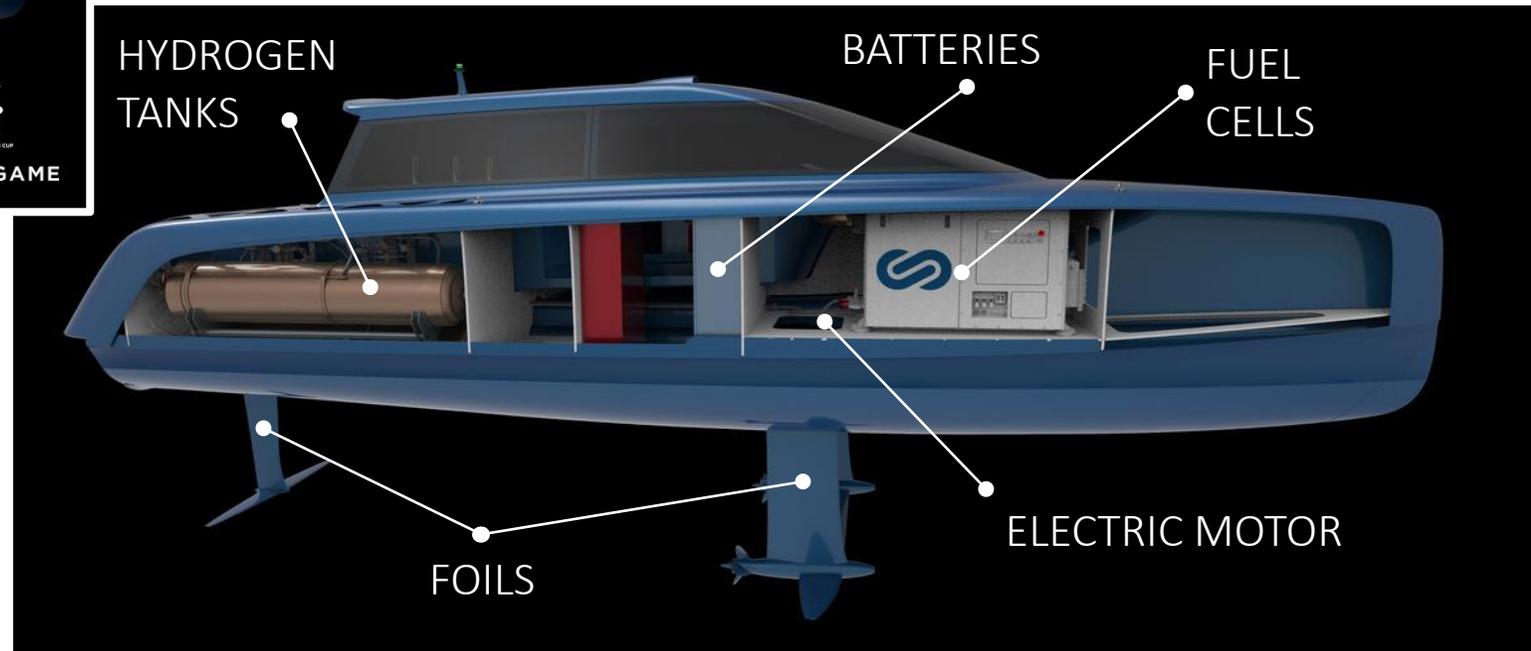
## Road to 2030 – trailblazing the green transition of yachting



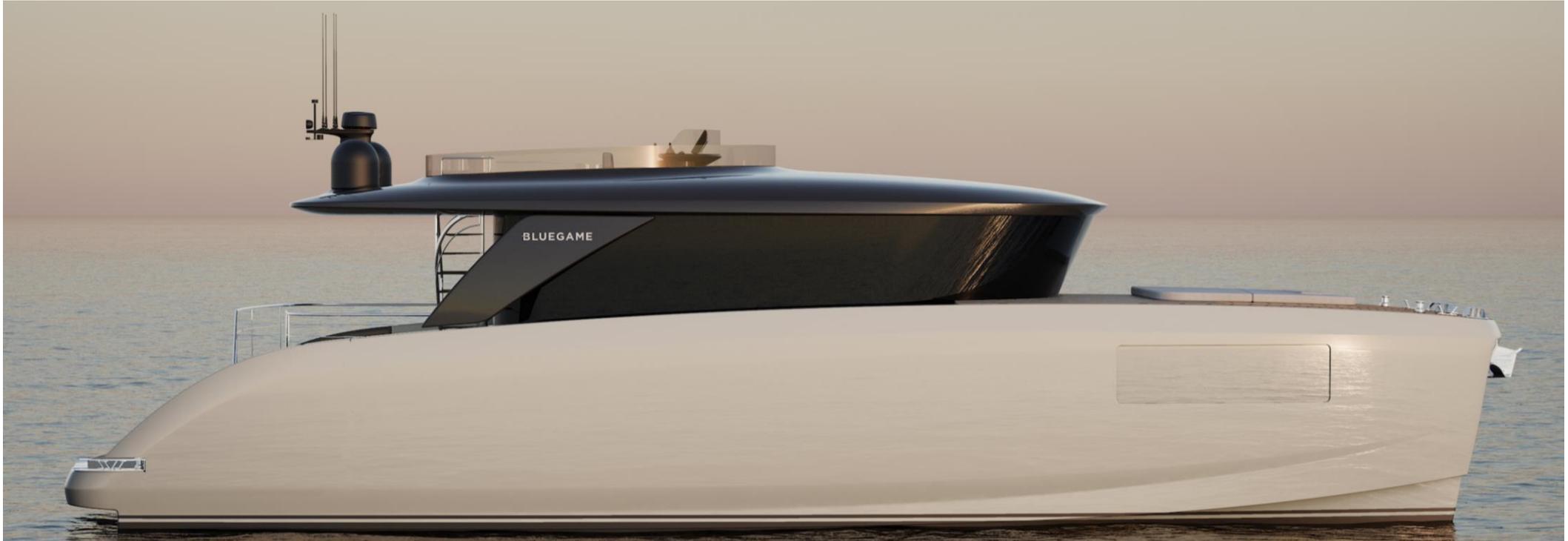
Bluegame can play an “innovation feeder” role to the main Sanlorenzo brand, with the freedom to dare the most avant-garde experiments, unconstrained by the MAYA principle

### Bluegame BGH – The first tangible shift in the yachting paradigm

- Hydrogen to foil at 50 knots and zero emissions, in the wake of Sanlorenzo sustainability leadership
- Debut alongside the legendary American Magic challenger at the 37<sup>th</sup> edition of America’s Cup in 2024
- Co-sponsored by the New York Yacht Club



## Road to 2030 – trailblazing the green transition of yachting



### 1. Hybrid cruising mode

#### ZERO EMISSION AT LOW SPEED

Cruising 10 hours at 8 kn or 4 hours at 10 kn  
batteries to cover the peaks and achieve 11-  
12 kn

### 2. Traditional cruising mode

#### HIGH SPEED IN DIESEL MODE (max 21 kn)

Main engines ON, generator and fuel cells OFF,  
E-motors to manage hotel load and/or fast  
recharge the batteries

### 3. Zero emission at anchor

**ZERO EMISSION AT ANCHOR** (up to 50 hrs)-fuel  
cells to provide the average power for hotel  
load (10kw), batteries OFF or in recharge mode

## Data gathering activities – Product

- **Yachts direct emissions:** engines and related fuels in different cruising modes.
- **Materials emissions:** main raw used materials and related emission factors.



First estimate of Scope 3 emissions from product use and materials.



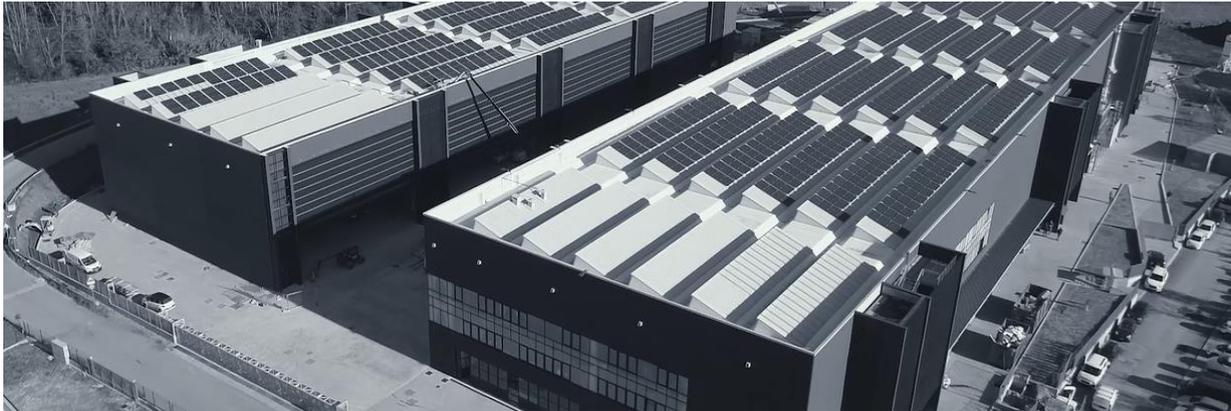
## Data gathering activities – Production plants

Further minimizing manufacturing plant environmental impact

- Monitoring and **introduction of targets** for the main KPIs relating to energy, water and waste.
- Refining **GHG emissions data calculation** (Scope 1 and 2) in order to define a **reduction target by 2024**.



# Environmental protection in the manufacturing process



## Ameglia D2 shipyard photovoltaic system

No. of panels: 1393

Starting year: May 2020

2023: Investment plan of more than €1.5m to increase the installed power reaching up to 45% of self-produced renewable electricity in the Ameglia plant – currently under completion.

2024: additional significant investment in two manufacturing sites.



## ISO 14001 CERTIFICATION

Obtained for all main manufacturing sites.

## Supporting our partners

Sanlorenzo's sustainability path is extended to supply chain stakeholders

- Development of technical training programs, aimed at guaranteeing the **preservation of specific skills** in the reference area, thanks to the training offered by the **Sanlorenzo Academy**
- Financial support for the supply chain:
  - **Confirming program** with three major credit institutions, currently active for around 120 suppliers.
  - **Dynamic discounting program** with 40 suppliers involved and more than € 17m transacted.
- Supply chain **ESG screening**, extension of the project carried out in 2020 for the sustainability analysis of the Sanlorenzo and Bluegame supply chain.



## Ongoing projects

### Strengthening sustainability criteria monitoring

- Definition of new **ESG criteria in supply contracts**
- **Selection and screening** of the most significant suppliers (risk based)
- Analysis of **Scope 3 emissions** deriving from the most impactful materials



# Our people journey

## ONBOARDING



### Newcomers

3 departments involved:  
HR – ICT – OPERATIONS

Maintaining a strong  
company culture and  
identity

## LEARNING & DEVELOPMENT



### Multi-purpose yachting operator

16 participants  
600 hours of training  
3-months internship

**Leadership G.Y.M.**

## SANLORENZO ACADEMY



### Internal development industry professionals in a context of scarcity

Crew training and craftsmanship  
know-how fertilization to feed the  
service offering

# Strengthened sustainability governance



- Establishment of the **Sustainability Task Force**
- MBO with inclusion of **ESG targets**
- **Induction program** and ongoing dialogue with the members of the Board of Statutory Auditors, the Control, Risk & Sustainability Committee and the BoD members

# Transparency and disclosure

- 3 **Non-Financial Statements** published, with over 100 social, environmental and governance KPIs reported.
- Policy on **Diversity & Inclusion** and **Stakeholder Engagement** published



## Working towards new EU regulations

- Drafting of the DNF 2023 with the aim of simplifying and further application of the **European taxonomy**
- First analysis of the new **EFRAG standards** (ESRS) and assessment
- Expanded disclosure on **climate-related risks**, starting from the Task Force on Climate-Related Financial Disclosures (TCFD)
- **ESG rating** improvement/confirmation of scores in line with stakeholder expectations

# Culture that embraces all stakeholders in a common journey

## Social Impact

### Fondazione Sanlorenzo

- Foster young people's **education**
- Development of **Italian minor islands**
- Promote **Art and Culture**



### Venice Sustainability Foundation

Since 2022, co-founder of Venice Sustainability Foundation, aimed at creating an **integrated model of sustainable development** for Venice and its metropolitan area



## Close collaboration

- Partnership and active support to **non-profit associations focused on seas and oceans protection** – Water Revolution Foundation and Blue Marine Foundation
- Participation in ICOMIA, SYBASS, NMMA and EUROMOT **working groups**
- Collaborating with platforms and consortia to **guide the industry towards low carbon solutions** (Green Maritime Methanol)



## Awards and recognition



# Keep improving our ESG ratings

		SCORE	BENCHMARK
		26/100 (up from 22)	Industry benchmark (Leisure): 23 out of 110
		A (up from BBB)	Industry benchmark (Leisure): Top 34%
		12 (Low Risk)* <small>*un punteggio basso è indice di basso rischio</small>	Industry benchmark (Consumer Durables): 19 out of 229
		C-	Industry benchmark (Leisure): 3 Decile (top 30%)

**THANK YOU**

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