# THE METHANOL EXPERIENCE

## ROAD TO 2030 AND EU LIFE MYSTIC

9TH SEPTEMBER 2026 – CANNES

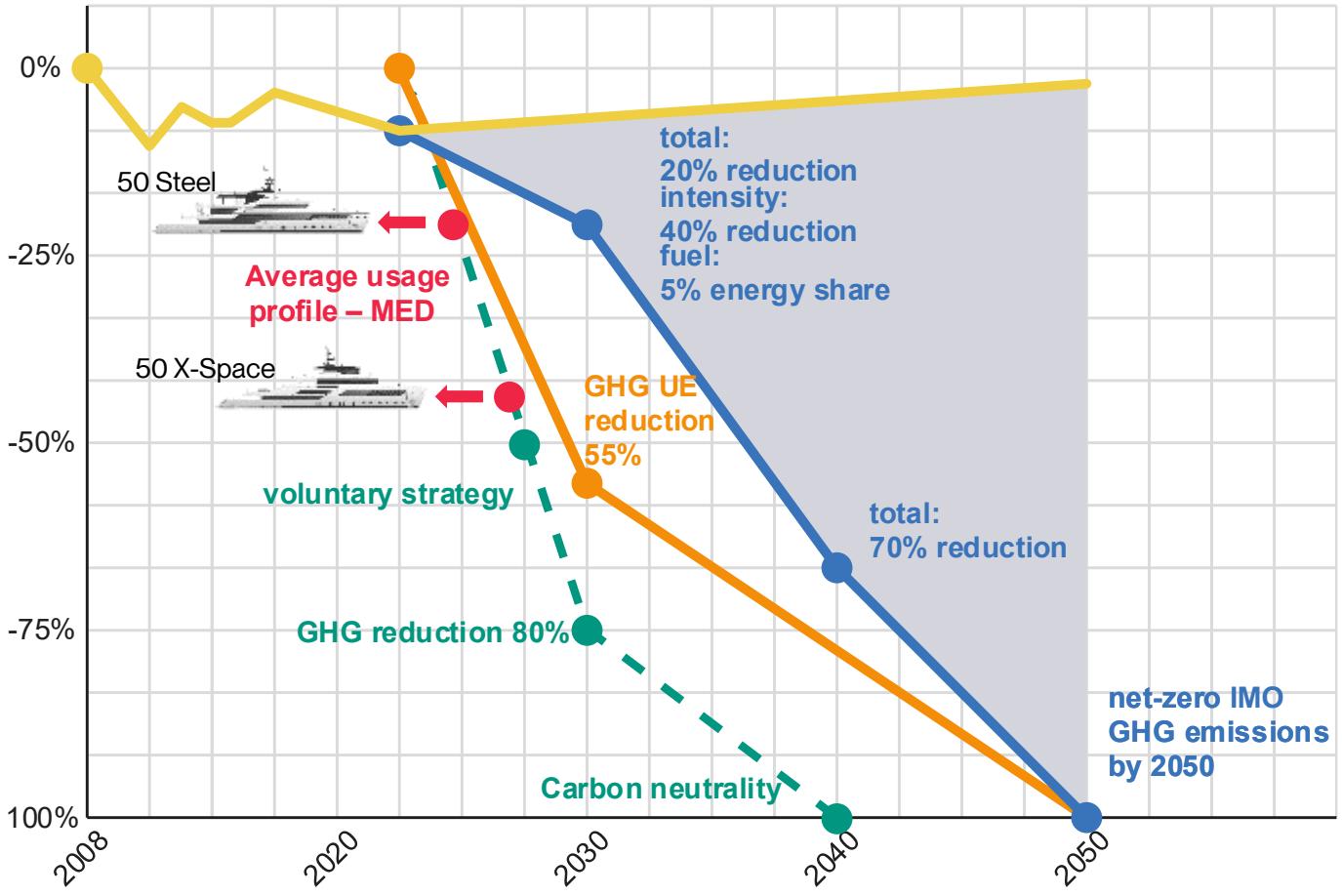
SANLORENZO



# AHEAD OF SUSTAINALBILITY TARGETS TO SET A NEW BENCHMARK

ROAD TO 2030

**Units: Green House Gas (GHG) emissions[1]**
**Base year of IMO Strategy: 2008**




Business-as-usual emissions

Emission pathway in line with IMO's GHG strategy

Emission gap

Emission pathway in line with Fit for 55 EU Strategy

SANLORENZO VOLUNTARY STRATEGY

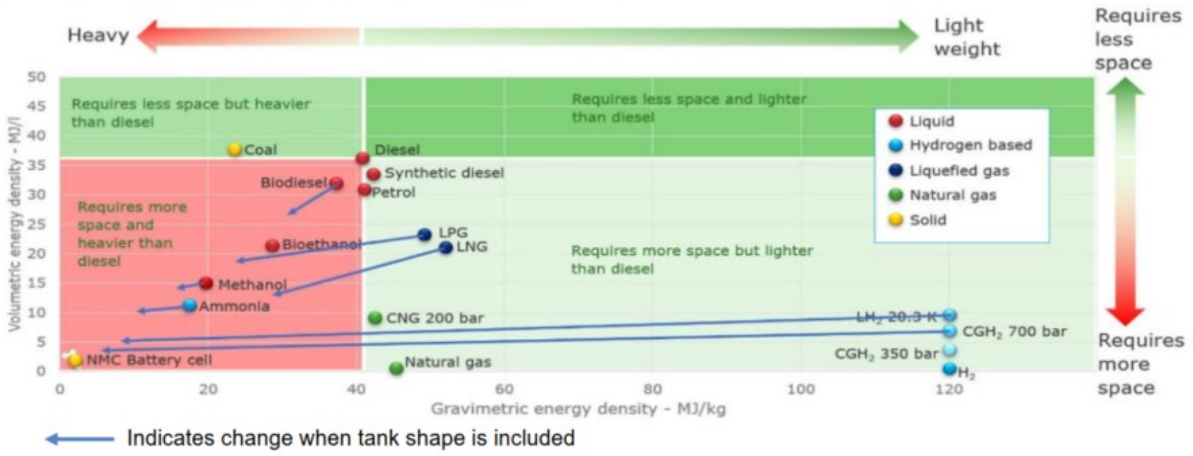
1. Source: DNV, December 2022

# WHY METHANOL ??

ROAD TO 2030

## Future fuels have much lower density than diesel

### Overview Future Fuels & Emissions







**Comparison of storage volume for the same energy amount and**
*additional space (grey) for cylindric shaped tanks of cryogenic fuels

MAN Energy Solutions

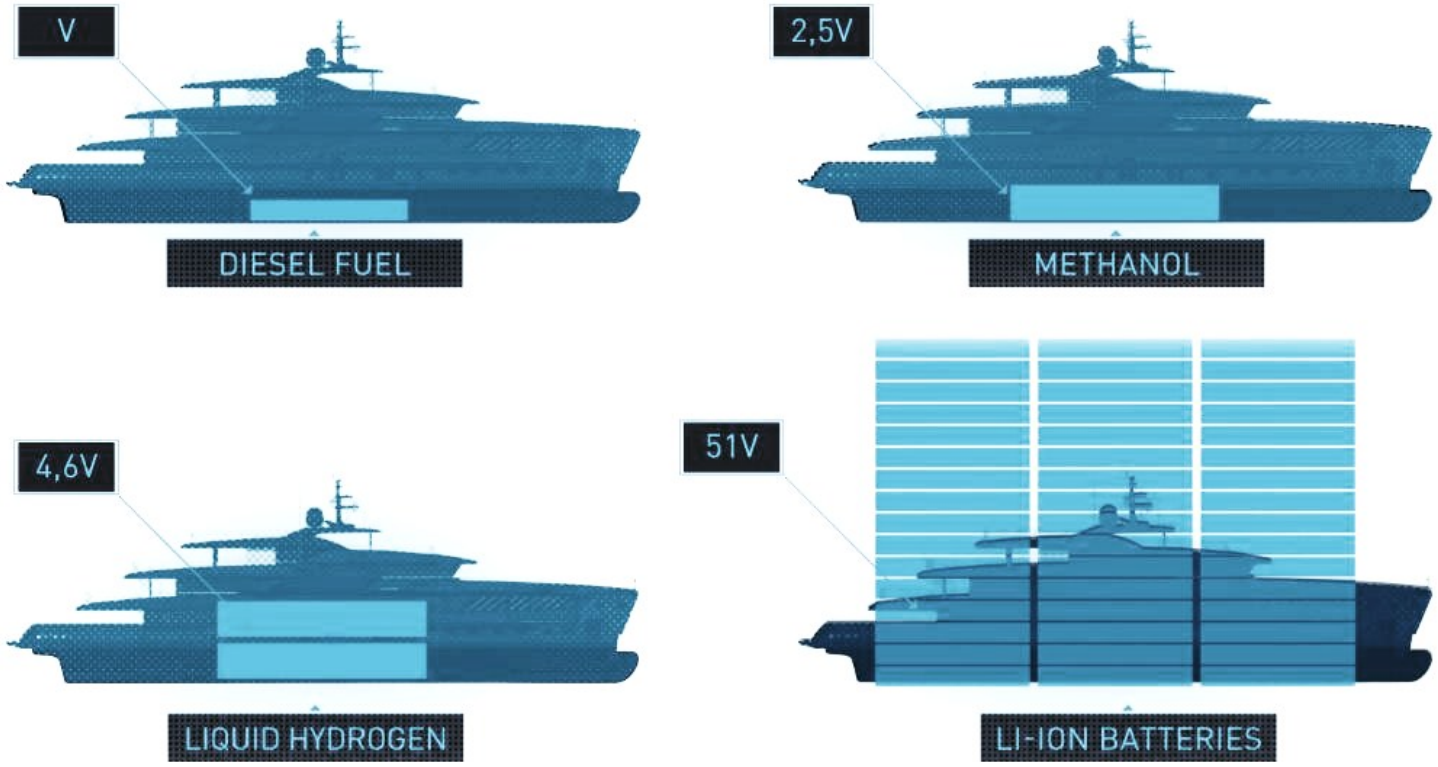
Public | ABS Superyachts Forum | 2024

# WHY METHANOL ??

ROAD TO 2030

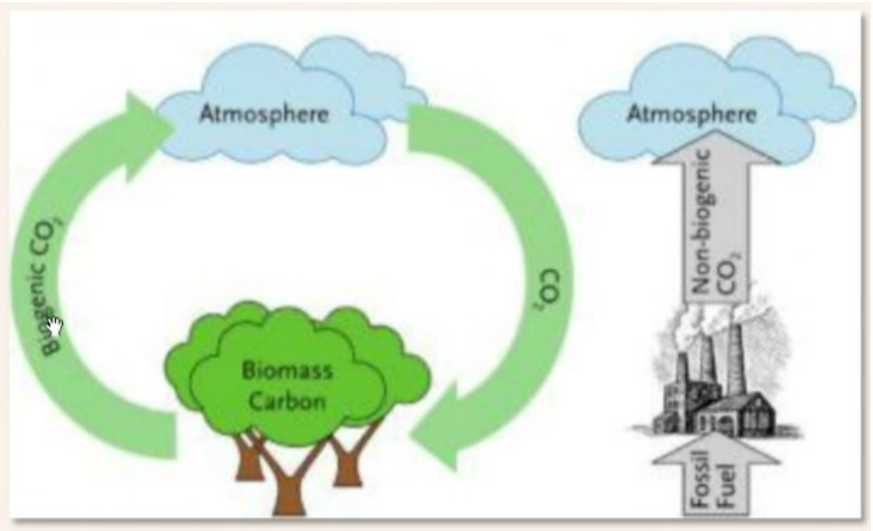
- Best compromise in volume and energy density compared to other GHG friendly fuels
  2,5x Diesel
  4x more energy than 700 bar tanks
  2x more energy than liquid H2
- No intensive cooling or high pressures necessary
- Savings in refueling time, bunkering costs and maintenance (existing infrastructure for gasoline can be used)
- Biodegradable

Equivalent volume for Energy Storage



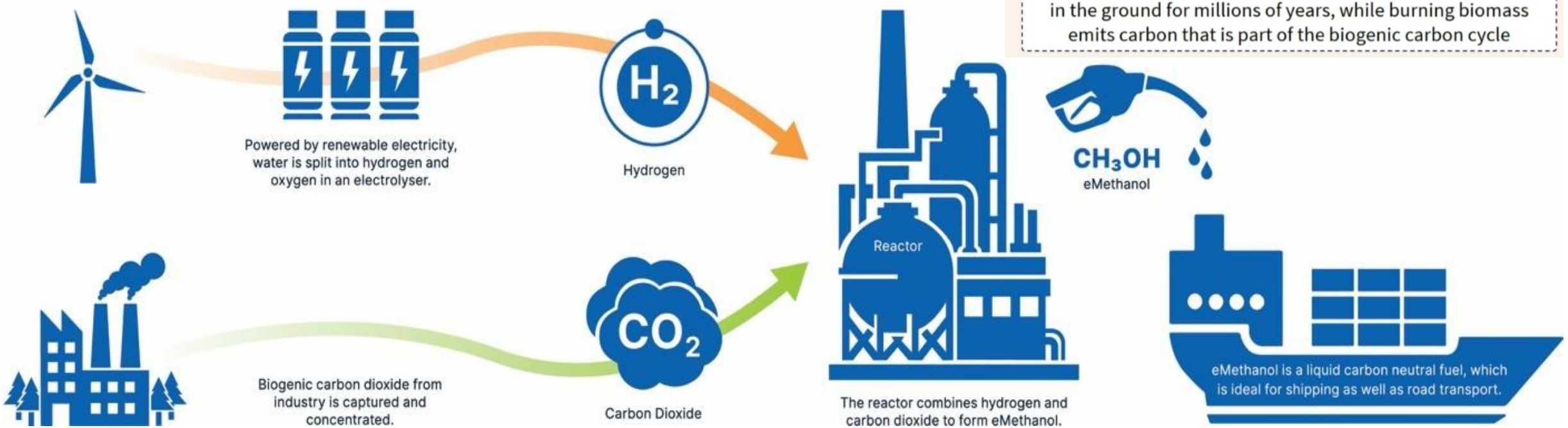
# WHY “GREEN” METHANOL ??

ROAD TO 2030




Burning fossil fuels releases carbon that has been locked up in the ground for millions of years, while burning biomass emits carbon that is part of the biogenic carbon cycle

## Converting wind and $CO_2$ into renewable fuel



# THE NEXT BREAKTHROUGH TECHNOLOGY

ROAD TO 2030

## WE MADE IT



2021 – **STRATEGIC COLLABORATIONS** TO ACHIEVE GROUNDBREAKING **SUSTAINABILITY GOALS**



2024 – DELIVERY OF THE FIRST **50 STEEL EQUIPPED WITH METHANOL REFORMER FUEL CELLS**




2024 – **BGH TENDERS** DELIVERED TO THE **AMERICA'S CUP – HYDROGEN FOIL**

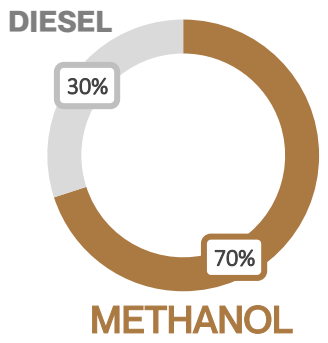
## WE WILL MAKE

2027 – LAUNCH OF THE FIRST
**BI-FUEL YACHT**
**THAT WILL REDUCE EMISSIONS**
**BY UP TO 70% DURING CRUISING**

**IN COLLABORATION WITH MAN**





# THE LIFE OCEAN PROJECT

DEVELOPING AND TESTING METHANOL REFORMING FUEL CELL FOR A SUPERYACHT



**ONBOARD CLEAN ENERGY AND NO-NOISE**

**TOTAL BUDGET:** €3,923,679

**% EC CO-FUNDING:** 60%

**BENEFICIARIES:**

SIEMENS ENERGY (GERMANY),

SANLORENZO (ITALY)

**DURATION:** 36 MONTHS

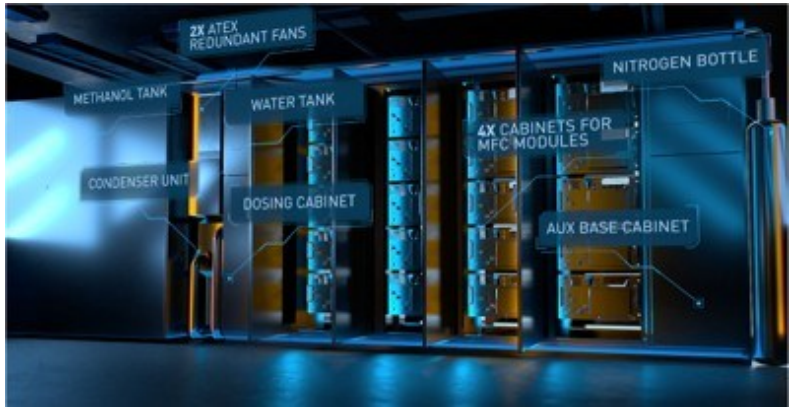
**100 KW FUEL CELL FOR HOTELLERIE**

**ON 50 M SY "ALMAX"**

LAUNCHED

IN APRIL 2024

LIFE OCEAN






# THE LIFE MYSTIC PROJECT

DEVELOPING AND TESTING METHANOL BIFUEL ENGINES AND GENSETS FOR A YACHT

**M**ETHANOL for **Y**ACHTING **S**USTAINABLE ENERGY **T**RANSITION APPLIED to **I**NTERNAL **C**OMBUSTION ENGINES

**TOTAL BUDGET:** €4,817,889

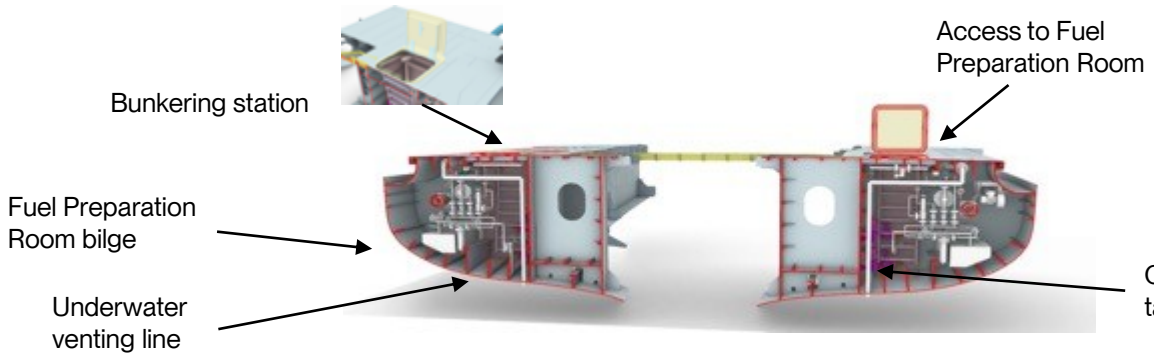
**% EC CO-FUNDING:** 60%

**BENEFICIARIES:** SANLORENZO (ITALY), RANIERI TONISSI (ITALY), NANNI INDUSTRIES (FRANCE)

**DURATION:** 54 MONTHS

SY WITH **BIFUEL ENGINES AND GENSETS** (PLANNED FOR 2028)

**FUEL PREPARATION ROOM**






# GREEN METHANOL AVAILABILITY & REGULATION

TECHNOLOGY IS READY, BUT…



- Sanlorenzo Executive Chairman Massimo Perotti presented the ***"Venice Call for Maritime Action"*** at Venice Climate Week, a rallying call to industry and public stakeholders to accelerate investment in alternative fuels
- Perotti highlights that infrastructure and fuel availability are not keeping pace with innovation, delaying the widespread adoption of next-generation sustainable yachts
- Letter  presented on 8th June 2026 to **European Commissioner Jessika Roswall**, and shared with mayors of leading coastal cities, outlining the need for coordinated action to increase green methanol availability and electrification infrastructure across key European maritime hubs

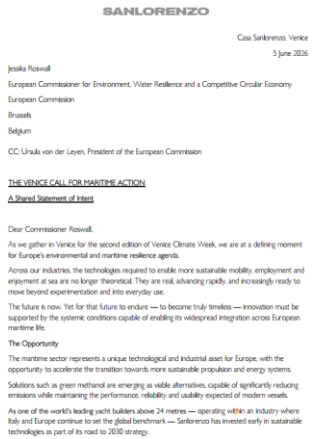
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TECHNOLOGY IS READY, BUT…




The initiative has already attracted support from across the maritime ecosystem, including:

- **SYBAss**, representing the worldwide superyacht industry
- **Ranieri Tonissi** (MAN) and **Nanni Industries**, Life MYSTIC partners
- **Water Revolution Foundation**, one of the key driver for preserving for the world's precious oceans
- Professor **Flavio Manenti** of Politecnico di Milano, a leading authority on sustainable industrial processes



SANLORENZO

Casa Sanlorenzo, Venice
5 June 2026

Jessika Roswall
European Commissioner for Environment, Water Resilience and a Competitive Circular Economy
European Commission
Brussels
Belgium

CC: Ursula von der Leyen, President of the European Commission

THE VENICE CALL FOR MARITIME ACTION
A Shared Statement of Intent

Dear Commissioner Roswall,

As we gather in Venice for the second edition of Venice Climate Week, we are at a defining moment for Europe's environmental and maritime resilience agenda.

Across our industries, the technologies required to enable more sustainable mobility, employment and enjoyment at sea are no longer theoretical. They are real, advancing rapidly, and increasingly ready to move beyond experimentation and into everyday use.

The future is now. Yet for that future to endure — to become truly timeless — innovation must be supported by the systemic conditions capable of enabling its widespread integration across European maritime life.

The Opportunity

The maritime sector represents a unique technological and industrial asset for Europe, with the opportunity to accelerate the transition towards more sustainable propulsion and energy systems.

Solutions such as green methanol are emerging as viable alternatives, capable of significantly reducing emissions while maintaining the performance, reliability and usability expected of modern vessels.

As one of the world's leading yacht builders above 24 metres — operating within an industry where Italy and Europe continue to set the global benchmark — Sanlorenzo has invested early in sustainable technologies as part of its road to 2030 strategy.

As signatories of this letter, we affirm our commitment to:

- Championing a future vision for more sustainable yachting
- Continuing investment in innovation and technological progress
- Supporting the development of viable and accessible energy ecosystems
- Engaging in cross-sector collaboration to accelerate progress



# R&D STREAMS TO ENHANCE AND PROTECT THE COMPETITIVE EDGE

PIONEERING TECHNOLOGY

## 1 SUSTAINABILITY & PROPULSION



- Bi-fuel & alternative fuels
- Fuel cell
- Computation fluid dynamics («cfd») competence center

## 2 INNOVATIVE MATERIAL



- Eco composites
- Alternative teak
- Innovative materials

## 3 DIGITAL & SYSTEM INTEGRATION



- Monitoring system & AI
- System integrator of hybrid propulsion tech

## 4 PROCESS INNOVATION



- AI
- Automation
- Robotics

## 5 IP & GOVERNANCE



- Patents
- Data management
- Governance

# Q&A session

ROAD 203 - R&D ACTIVITIES