

Primo Forum Nazionale sul Turismo Sostenibile

13 novembre 2023
CastelBrando, Treviso

PRESENTAZIONE DI ROBERTO PEROCCHIO



Founding Partner:



REGIONE DEL VENETO



Main Partner:



Partner:



The Friendly Italian Marina Network



**TURISMO SOSTENIBILE E
PATRIMONIO DEL
TERRITORIO**

13 NOVEMBRE 2023

CASTELBRANDO (TV)



MO
TRIA



Two key decarbonisation challenges

1. The Carbon Balance Sheet of the existing fleet:

- Recreational craft typically last 30-50 years and average engine hours are 35-48hr per annum
- ~50 Million existing vessels worldwide, remaining life 20-30 years and new boats 2% PA
- Carbon neutral fuel solutions required to decarbonise existing fleet
- Carbon offsets required in transition and ramp up.

2. Understanding the supply chain and manufacturing: Decarbonisation strategy to be informed by cradle to grave LCA analysis of embodied carbon to make a real difference.



- **SHIPPING: 2% of GHG**
 - **YACHTING: 0,2% of shipping GHG**
- 50 HOURS OF ENGINE OPERATION PER
YEAR PER BOAT**

HVO (HYDROTREATED VEGETAL OIL)

- **WASTE AND RESIDUE BASED ONLY**
- **NO COMPETITION WITH FOOD**
- **MINIMUM OF 75% CO2 REDUCTION**

**SILENT YACHTS – CATAMARANO TOTALMENTE
ELETTRICO – FOTOVOLTAICO A MARINA DI VARAZZE**



FAST CHARGE A MARINA CALA DEL FORTE





IDROGENO PUGLIESE A MONTECARLO



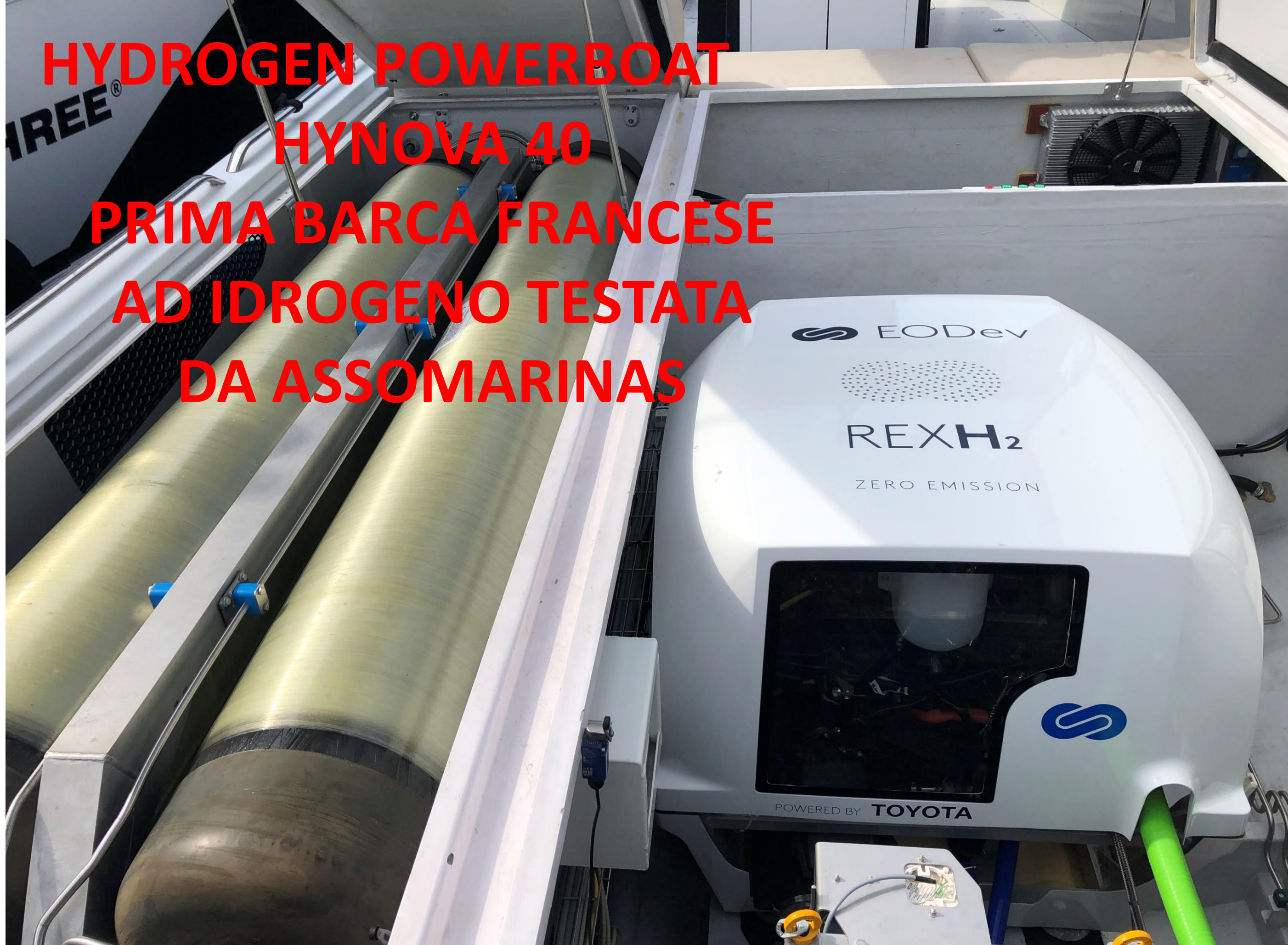
HYDROGEN POWERBOAT

HYNOVA 40

PRIMA BARCA FRANCESE

AD IDROGENO TESTATA

DA ASSOMARINAS



In collaborazione



con
**FEDERTURISMO
SERVIZI**



AME
AN MAGIC,
GER TO
RIGAS CUP,
ETHER.

AME

EODev

M3

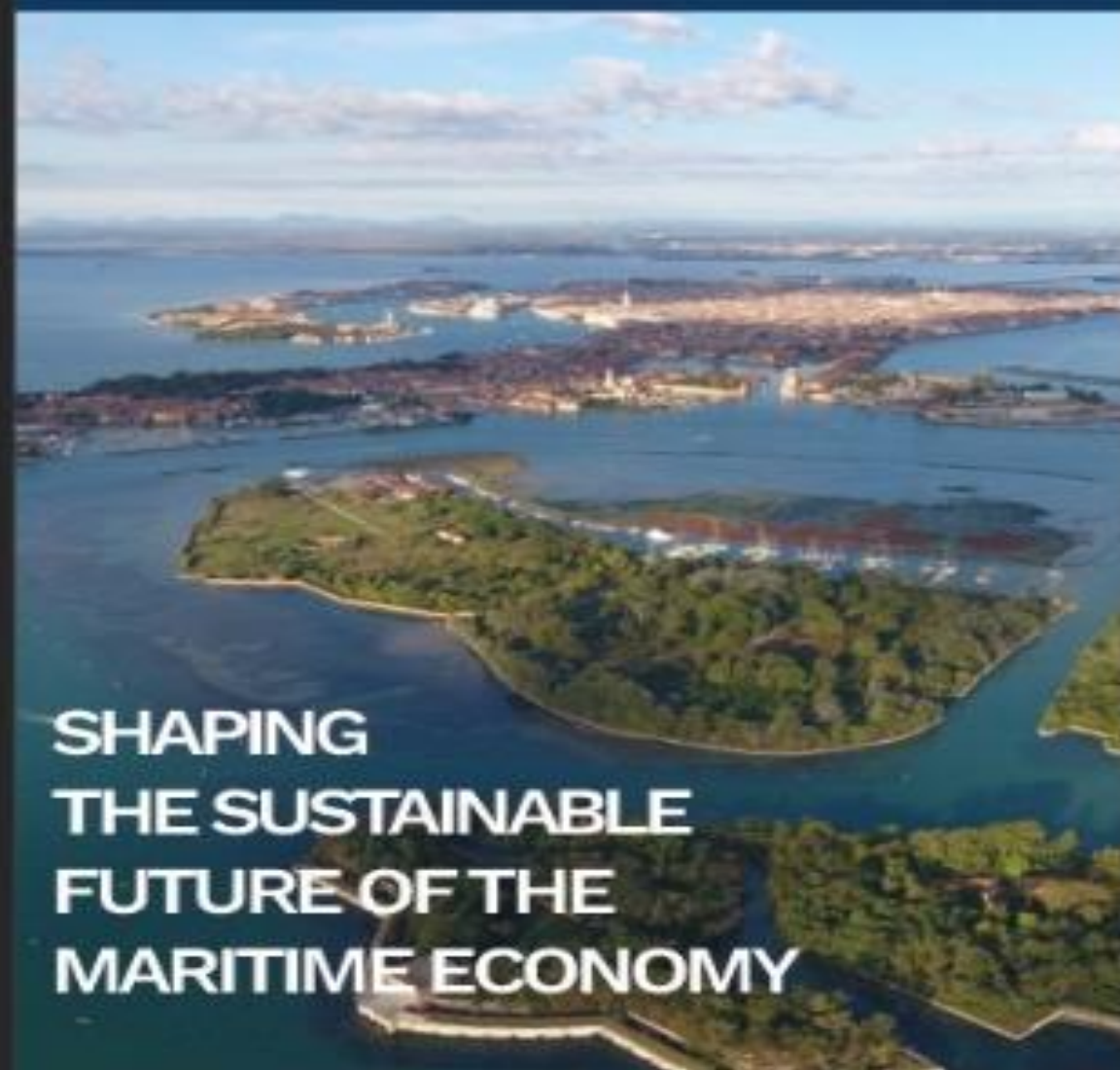
Methanol as fuel:

- 1) easy to transport**
- 2) easy to store on board, no cryogenics involved**
- 3) already available in 120 ports around the world**
- 4) proven fuel used in transportation since 1970**
- 5) minor modification needed in vessels and engines compared to other alternative fuels**
- 6) fully biodegradable, reducing lasting environmental harm**
- 7) can be used in combustion engines, dual fuel engines and in fuel cells**
- 8) if used in combustion engines, it eliminates SOX and particulate matter, and cuts NOX by 60%**
- 9) cost competitive if compared to other fuels**





**ICOMIA 2025
WORLD MARINAS
CONFERENCE
15-17 OCTOBER 2025
CERTOSA ISLAND
VENICE**



**SHAPING
THE SUSTAINABLE
FUTURE OF THE
MARITIME ECONOMY**

