



BETTER SHIPS, BLUE OCEANS

# Announcement of the 54<sup>th</sup> FER Forum and JIP Week

Frédéric Jaouën

- 16 – 20 June 2025
- Wageningen, The Netherlands
- Conference Centre TBD



- MARIN (Maritime Research Institute)
- Independent and not for profit institute
- Better Ships, Blue Oceans
- From Concept to Operations



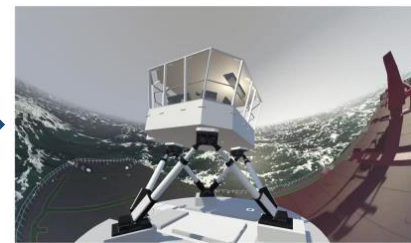
**BETTER SHIPS, BLUE OCEANS**



**Computations**  
CFD / Time Domain



**Model tests**  
Scaled reality



**Simulators**  
Human Factors

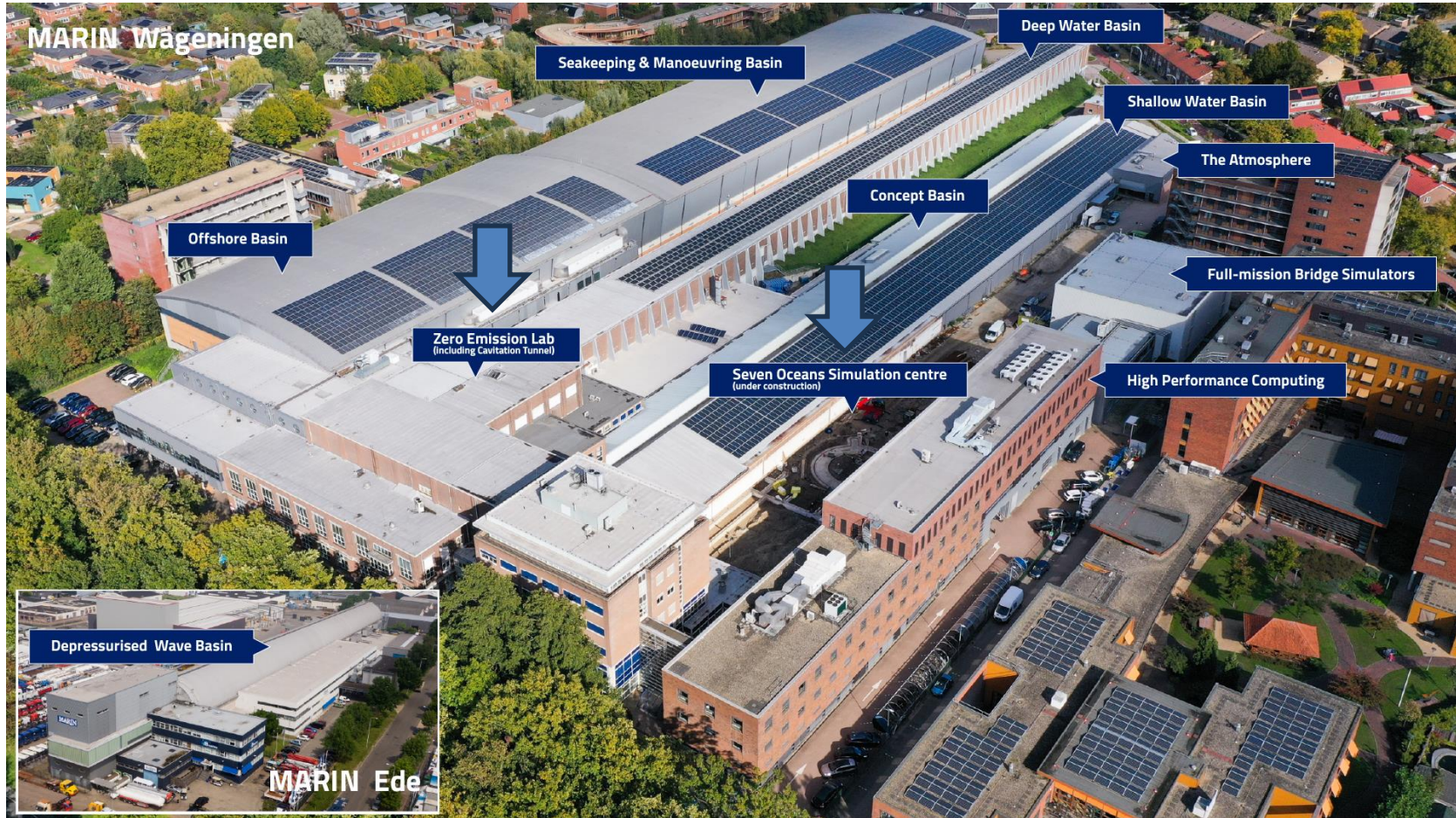


**Monitoring**  
Data science/ AI

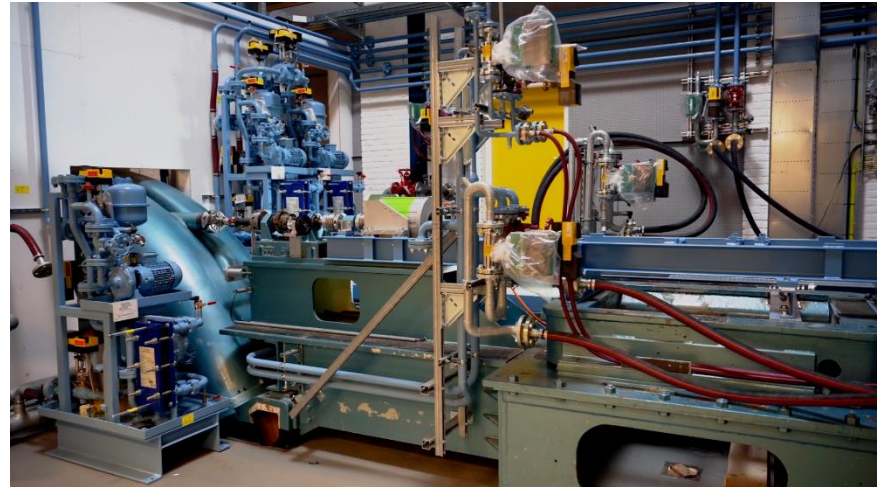
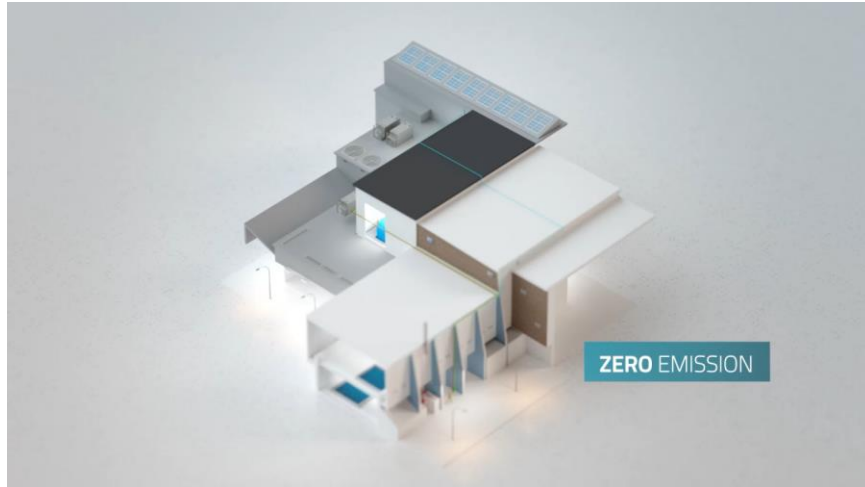
## *"Optimizing Operations with Digital Solutions"*







- The engine room of the future
- A unique test facility worldwide for the research and testing of future marine propulsion and power systems
- Demonstrates what is best power system for a given vessel and operational profile?







- What is the best combination?
- Also interesting for e.g. electrification of production units with Wind and Solar Energy



# Technical Visit - Seven Oceans Simulator centre (SOsc)

## Large Motion Simulator

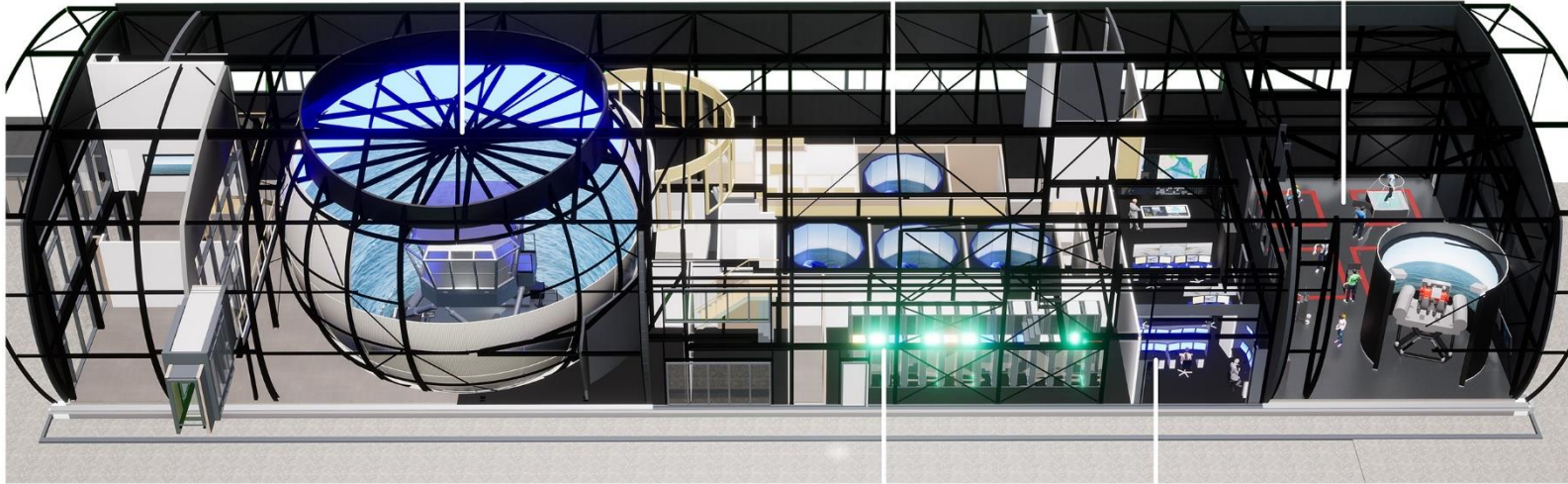
- Hexapod
- 360 degrees projection
- Diameter 16 m

## Multi-Purpose Simulators

- Four simulators
- 360 degrees
- Coupled tug or crane simulations

## Maritime eXperience Lab

- Virtual, Augmented and Mixed Reality
- Fast Small Ship Simulator



## High Performance Computing

- Central processing units
- Graphics processing units
- Real-time hydrodynamic modelling

## Experience Room / Vessel Traffic Management / Shore Control Centre Lab (VTM/SCC Lab)

- Multi-purpose control room
- Projection on three walls





**MARIN**





# See you in Wageningen, and Experience it!



[www.marin.nl](http://www.marin.nl)