

# User-centric robotic solutions for shipbuilding

## Mari4\_YARD 2nd workshop



Mari4\_YARD is implementing worker-centric solutions for supporting key labour-intensive shipbuilding tasks by preserving the knowledge and skills of the operators and their biomechanics health. This workshop aims to show and test some of the innovative technologies developed by Mari4\_YARD, like exoskeletons, mobile manipulators for logistic operations, collaborative robots for welding, and augmented reality.

### AGENDA

- 10:00-10:15 Welcome (Luís Carneiro, Germano Veiga – INESC TEC)
- 10:15-10:25 Brief introduction of Mari4\_YARD project (Diego Perez - AIMEN)
- 10:25-10:35 Exoskeletons assisting workers: user-centered design towards their application in shipbuilding industry (Andrea Parri - IUVO)
- 10:35-10:45 Drone 3D scanning in inaccessible areas in ships (Manuel Rodríguez, Javier Pamies, Oscar Noguero and Jonatan Moya - GHENOVA)
- 10:45-10:55 Mobile manipulator for logistic operations & augmented reality as a support tool (Luis Rocha and Carlos Costa – INESC TEC)
- 10:55-11:05 Collaborative robots for welding (Ignacio Secades - CANONICAL, Isidro Fernández - AIMEN)
- 11:05-11:20 Coffee Break
- 11:20-12:15 Breakout rooms – Hands-on session
- 12:15-12:45 Q&A session and conclusions

**12 OCTOBER 2022**  
**10:00-13:00 CET**

INESC TEC's Industry and  
innovation lab Porto,  
Portugal

**SAVE THE DATE**  
**CLICK [HERE](#) TO**  
**REGISTER!**

**Book your place now!**

Admittance is free of charge BUT  
places are limited.

