Ship of the Future

Towards autonomous navigation in port water The GSAB project

Cosimo Cervicato

Senior Executive Engineer at Grimaldi Group Energy Saving R&D and Ship Design Department



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GSAB Grimaldi Satellite Assisted Berthing





• GSAB CONSORTIUM:

esa

- GRIMALDI GROUP (Prime)
- RADIOLABS (Co-Prime and Partner)



Radiclabs

• KONGSBERG SEATEX (Partner)

• KONGSBERG MARITIME (Partner)







GSAB: Grimaldi Satellite Assisted Berthing





PORT OF ANTWERP







GRANDE ANVERSA



Radiceabs

DEVELOPMENT AND DEMONSTRATION OF A NAVIGATION SUPPORT SYSTEM IN PORT WATER FOR THE ASSISTED BERTHING OF A CAR-CARRIER SHIP (180 M) THAT ALLOWS TO PERFORM AUTOMATICALLY HIGH PRECISION OPERATIONS USING ADVANCED TECHNOLOGIES FOR AUTONOMOUS SHIPS.





GSAB: Expectation of End User





- PROVIDE THE CAPTAIN AND ALL THE CREW WITH A COMPLETE OVERVIEW OF THE STATE OF THE ART AND THE SHIP CONDITIONS IN REAL TIME IN THE PORT CONTEXT PROVIDING INDICATIONS ON THE MANEUVERING OPERATIONS TO BE PERFORMED.
- ENSURE AN ADEQUATE LEVEL OF SAFETY BY REDUCING RISK SITUATIONS CAUSED BY HUMAN ERROR.
- INCREASE SHIP EFFICIENCY BY REDUCING THE TIME REQUIRED FOR CARRY OUT THE MANOEUVERS.
- REDUCTION OF FUEL COSTS WITH CONSEQUENT REDUCTION OF CO2 IN THE PORT AREA.



GSAB : Expectation of End User





