



# DRIVER DI INNOVAZIONE

## Sicurezza dei trasporti

- \_Continual feedback and advanced safety alerts
- \_Additive manufacturing (metal)
- \_Autonomous ship
- \_Cyber security
- \_Digital modelling and digital twins/virtual sensing

- \_Emissions abatement (included underwater noise)
- \_Zero waste disposal
- \_Route optimisation
- \_Fuel cells + hydrogen
- \_Alternative fuels
- \_Lowering environmental impact of construction
- \_Lifecycle design
- \_Biobased resins
- \_Hull wrapping
- \_Energy savings
- \_Energy storage systems

## Trasporto e logistica

- \_IoT solutions
- \_Fleet digital services/fleet optimisation
- \_Offshore multipurpose infrastructures
- \_Seamless port/logistic operations
- \_Drones for shipboard operations
- \_Remote management and inspection
- \_Assets management (condition-based maintenance, Onboard and remote diagnostics real time)



## Sostenibilità ambientale

## Benessere e accessibilità dei trasporti + MaaS

- \_Noise, vibration, harshness
- \_IoT solutions
- \_Smart cabins
- \_Infotainment
- \_Smart payments
- \_Cruising features

## Produzione

- \_Assembly techniques
- \_Welding techniques/tools
- \_Modular/configure-to-order production
- \_Robots/cobots for maintenance and shipboard operations
- \_Smart yards solutions
- \_Layout and internal material flow optimization
- \_Digitalization of production material management and instructions
- \_AR/VR manufacturing