



10 - 11
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PIACENZA EXPO

PORT DIGITALIZATION AND AUTOMATION: FROM DATA COLLECTION TO DATA SHARING

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WHAT IS AVAILABLE?





ROAD GATE



LPR
OCR
Integrity
Trailer Dimensions
Lane Totem



RAIL GATE



UIC
OCR
Integrity





What else?

Keyword: Innovation



AVAILABLE TECHNOLOGIES

- ✓ E-seals
- ✓ Dedicated Short Range Communication (Telepass)
- ✓ AI (Dangerous events detection)



- ✓ Automatic detection of IMO placards (dangerous goods)
- ✓ Automatic detection of container damages





TECHNOLOGIES TO BE IMPROVED > BACKEND

- ✓ Cloud 
- ✓ Cybesecurity
- ✓ Blockchain





RAISE

Robotics and AI for socio-economic empowerment

Development of an innovation ecosystem based on the scientific and technological domains of AI and Robotics, focusing on the needs of a specific regional context, namely the Liguria Region.

SPOKE #3

Design and creation of the “SMART PORT” through the employment of real-time predictive monitoring systems, robotic technologies, AI solutions for logistics and simulation systems for marine safety&security.

MAIN PARTNERS



PROPOSERS



Consiglio Nazionale
delle Ricerche