# **COLLABORATIVE INNOVATION DAY**4<sup>th</sup> October 2022 | Virtual Event

## Wrap up and closing remarks

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**Secretary General** 



ORGANIZED BY:





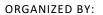




#### How 5G is revolutionizing the logistics sector in Europe:



- Ports, terminals and logistics sites can benefit from 5G applications shortly (e.g. remote control and asset management). 5G is closer and probably easier than full automation and to increase productivity of current assets.
- 5G enables remote piloting of ships, driving trucks and remotely control any type of vehicles in almost any environment as well as real time management of assets.
- Business models for the use cases and benefits compared to other technology solutions is critical to achieve the RoI and it seems there are clear advantages.
- 5G network has obvious advantages in smart port network construction (business continuity, spectrum, latency, security)
- Physical Internet and 5G reinforcing one to each other (provision of resources in an open and free manner)











#### 5G use cases for freight transport and logistics

Inspection of goods Container Plate Recognition

**Automated barge control** fleet control and management

**Automated Guided Vehicles** 

platooning remote driving Automated docking

Automated crane remote navigation warehouse Object Tracking

**Real time information** 

Predictive Maintenance Video Analytics
Facial Recognition

teleoperated crane

video surveillance

automated robots

speed optimization

**Guided berthing** 

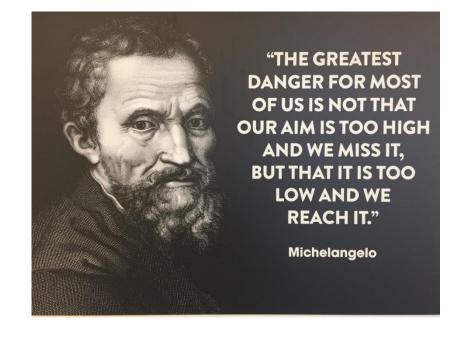
operations safety asset tracking

Remotely-operated ship

Virtual and Augmented Reality



Thank you!



### The Best Way To Predict The Future Is To Create It!

Source: President Abraham Lincoln

If you want to go fast, go alone If you want to go far, go together



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