



Cyber-MAR Final and Piraeus Pilot Event

Impact on Port Operations & Understanding the Risk (MaCRA)

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- Two Parts
 1. Impacts of Pilot scenario on port operations
 2. MaCRA framework



Port of Piraeus
Rail Link

Impacts on Port Operations

- Piraeus rail network a central artery for goods coming in from China
- Scenario is impactful due to:
 - Time of day
 - Physical layout/geography of the port
 - Limits road access
 - No train operations possible
 - Size of the trains



Source: <https://www.railfreight.com/corridors/2021/03/05/from-sea-to-land-rail-transforms-transport-through-the-balkans/>

Impacts on Port Operations

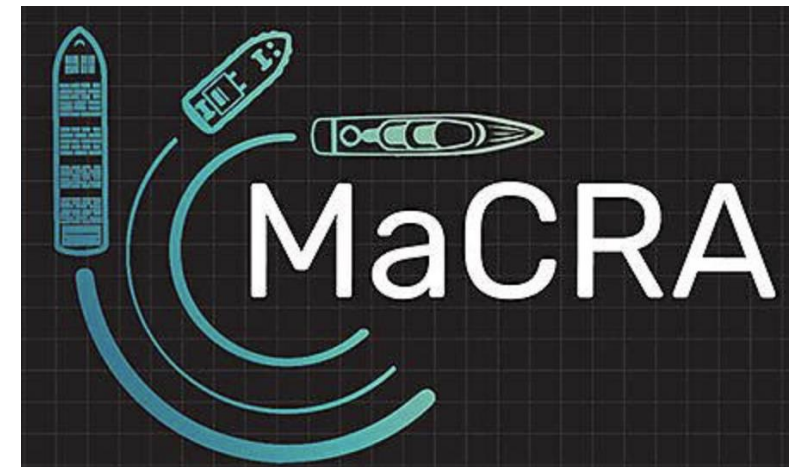


- Cyber-physical incidents can have serious impacts
- The sale of digital access and tools is an increasing threat
- Ensuring good cybersecurity practices is vital to good response
 - Necessity of offline backups
 - Upskilling of port personnel, including train personnel



Source: Ocean Rail

- **Maritime Cyber Risk Assessment framework**
- Dynamic risk assessment
- Able to identify risks specific to the:
 - Vessel
 - Cargo
 - Route





 www.Cyber-MAR.eu

 [Cyber_MAR](https://twitter.com/Cyber_MAR)

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THANK YOU FOR YOUR ATTENTION



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