



Maritime Cybersecurity – The Business of Protection

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Ships and technology



- Ships have different functionalities
- Ships are equipped with different systems
- Ships travel through different locations
- Attackers have different interests
- Attackers have different resources levels

Each vessel has a dynamic risk profile that changes depending on circumstances and different vulnerabilities



MaCRA uniquely provides dynamic, multi-dimensional risk assessment tooling, uniquely addressing **IT and OT** elements, but also taking into account **environment and physical movements**.



Test cases

- Pulled in expertise in **cargo ship** and **container port operations**



Protecting Business

- Increase situational awareness
- Informing decision – attempting to quantify risks and help prioritise
- Looking at large picture & being able to define the large picture



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Thank you



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<https://www.plymouth.ac.uk/research/maritime-cyber-threats-research-group>

