Seminar on Maritime Wireless Connectivity and Security

TURKU AMK
TURKU UNIVERSITY OF APPLIED SCIENCES

Pia Satopää
Senior Lecturer
Cybersecurity

CSG – Cybersecurity governance of operational technology in sector connected smart energy networks

- Consortium:
  - University of Jyväskylä (coordinator), Turku University of Applied Sciences
  - ABB, Savon Voima, Ahlstrom-Munksjö, 2NS, Cinia, Nixu DVV, Rejlers, Rugged Tooling
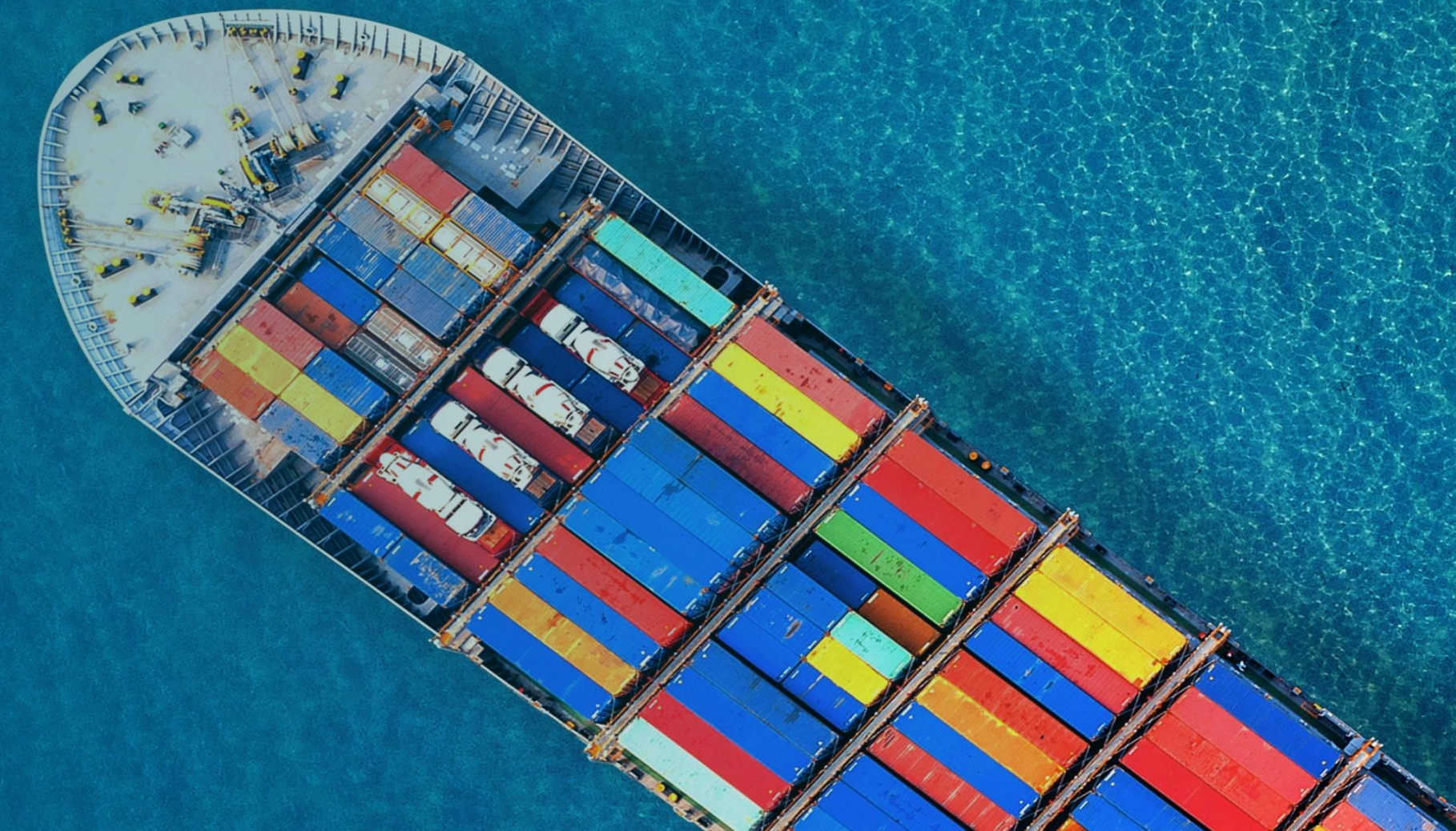
CSG – TUAS

- **Digital twin for OT cybersecurity**
- **Threat intelligence and incident sharing**
- **Cognitive support for SOC operators**
- **Governance model for OT**

CSG – Governance model

- **A broader high-level governance model**
- **The use case was refined to focus on the TUAS autonomous vessel**
- **The joint publication expanded the perspective to include maritime cluster stakeholders**
- **Fintraffic joined the development of the governance model**

The Impact of Operational Technology Requirements in Maritime Industries

Jussi Simola[1], Pia Satopää[2], Jarkko Paavola[2] and Jani Vanharanta[2]

[1]University of Jyväskylä, Finland
[2]Turku University of Applied Sciences, Finland
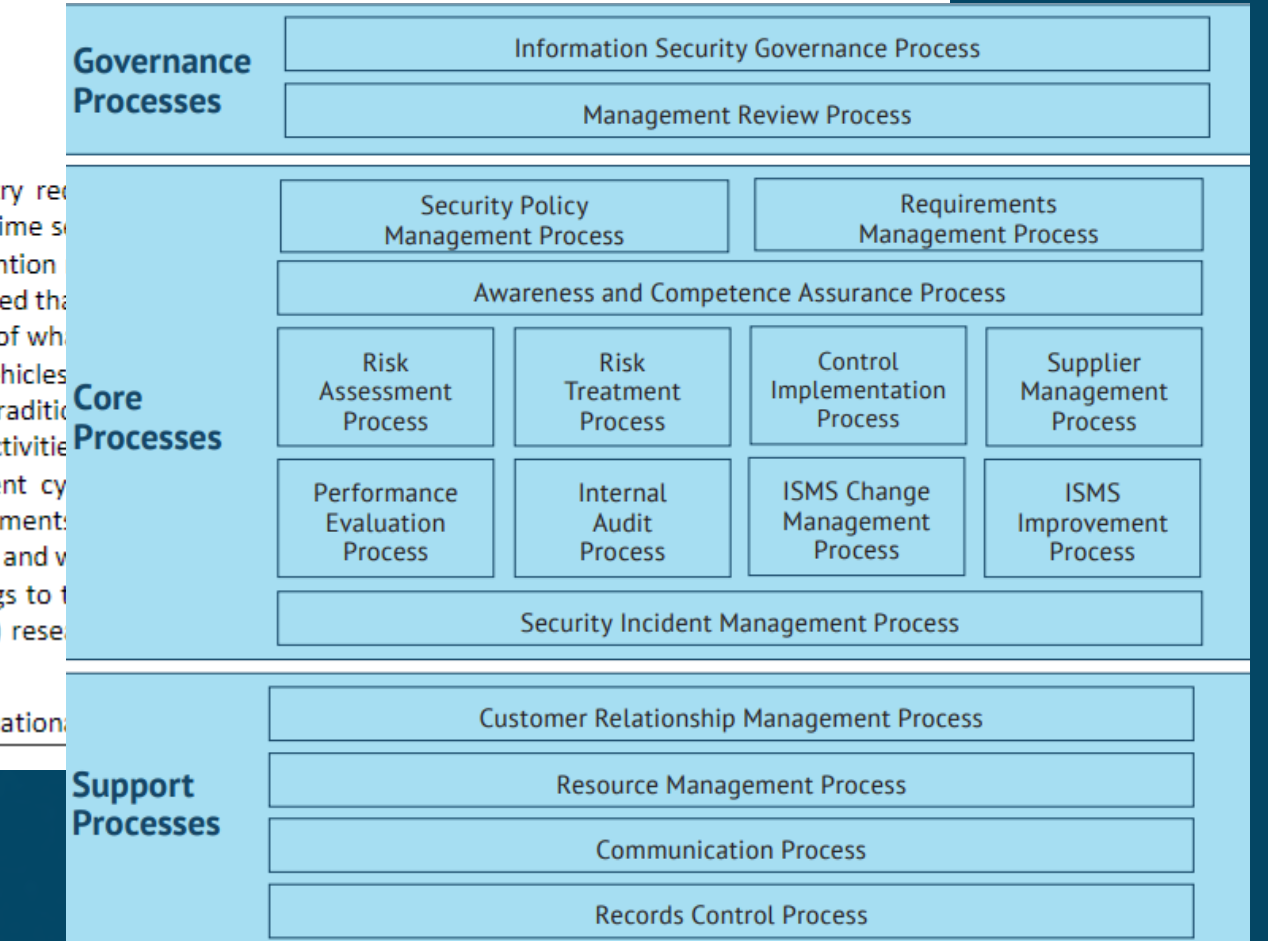
jussi.hm.simola@jyu.fi
pia.satopaa@turkuamk.fi
jarkko.paavola@turkuamk.fi
jani.vanharanta@turkuamk.fi

Abstract: The maritime ecosystem and industry re... common cybersecurity mechanism in the maritime s... the port areas and fairways. Cyberthreat prevention... more in the Western world. It has been recognized tha... area is based on a more traditional experience of wh... more than random checks of passengers and vehicles... are mainly physical security service routines. Traditio... Hybrid threats may prevent everyday harbor activities... continuity management. It is crucial to prevent cy... transnational and EU-level cyber security assessment... direct and concentrate a focus maritime domain and v... states to apply. In Finland, this research belongs to t... connected to the smart energy networks (CSG) rese... governance model for operational technology.

Keywords: Operational Technology, Overall Situatio...

Governance Processes	Information Security Governance Process			
	Management Review Process			
Core Processes	Security Policy Management Process		Requirements Management Process	
	Awareness and Competence Assurance Process			
	Risk Assessment Process	Risk Treatment Process	Control Implementation Process	Supplier Management Process
	Performance Evaluation Process	Internal Audit Process	ISMS Change Management Process	ISMS Improvement Process
	Security Incident Management Process			
Support Processes	Customer Relationship Management Process			
	Resource Management Process			
	Communication Process			
	Records Control Process			

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Handbook

Information Security and Cybersecurity Governance model for Operational Technology Environments of the Finnish Maritime Cluster Actors

Pia Satopää,
Olli Soininen &
Jarkko Paavola

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Meriklusteritoimijoiden
tieto- ja kyberturvallisuuden
hallintamalli
OT-ympäristöille

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Raportteja

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Olli Soininen &
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Information Security and
Cybersecurity Governance model
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