



# CYBER THREAT BRIEFING

## advanced technologies in the maritime transport sector

Shipping Federation of Canada, 2019 Mariners' Workshop  
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# overview

context

threats

outlook



# context

advanced technologies

- industrial control systems
- “cloud” computing
- application programming interfaces (APIs)
- distributed ledgers



# threats

phishing—email fraud

ransomware—extortion

cryptojacking—power theft



# case study



# outlook

early vs. late adopters

“threat surface”

impacts & mitigation



# discussion