



# The Great Disconnect in maritime cyber risk

Digital Ship Copenhagen  
10 May 2022

**Visibility | Security | Compliance**

# Introducing CyberOwl

Deep expertise in maritime sector

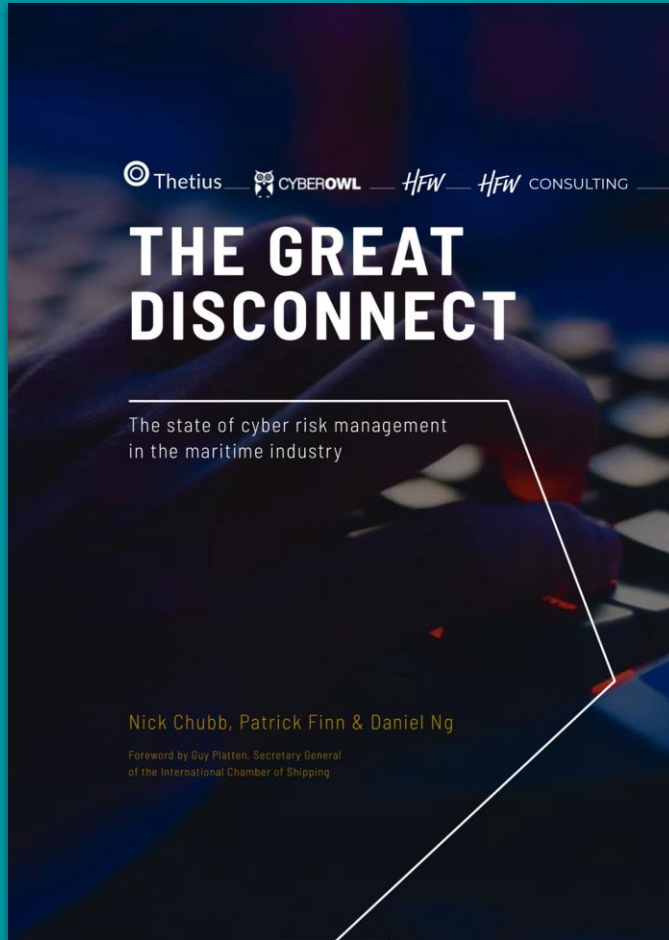


Award-winning technology



Trusted by customers globally





*combining insights from:*

**200** *shipping experts*

**80** *fleets*

***Data from vessels CyberOwl monitors***

**HFW**

**HFW**

CONSULTING

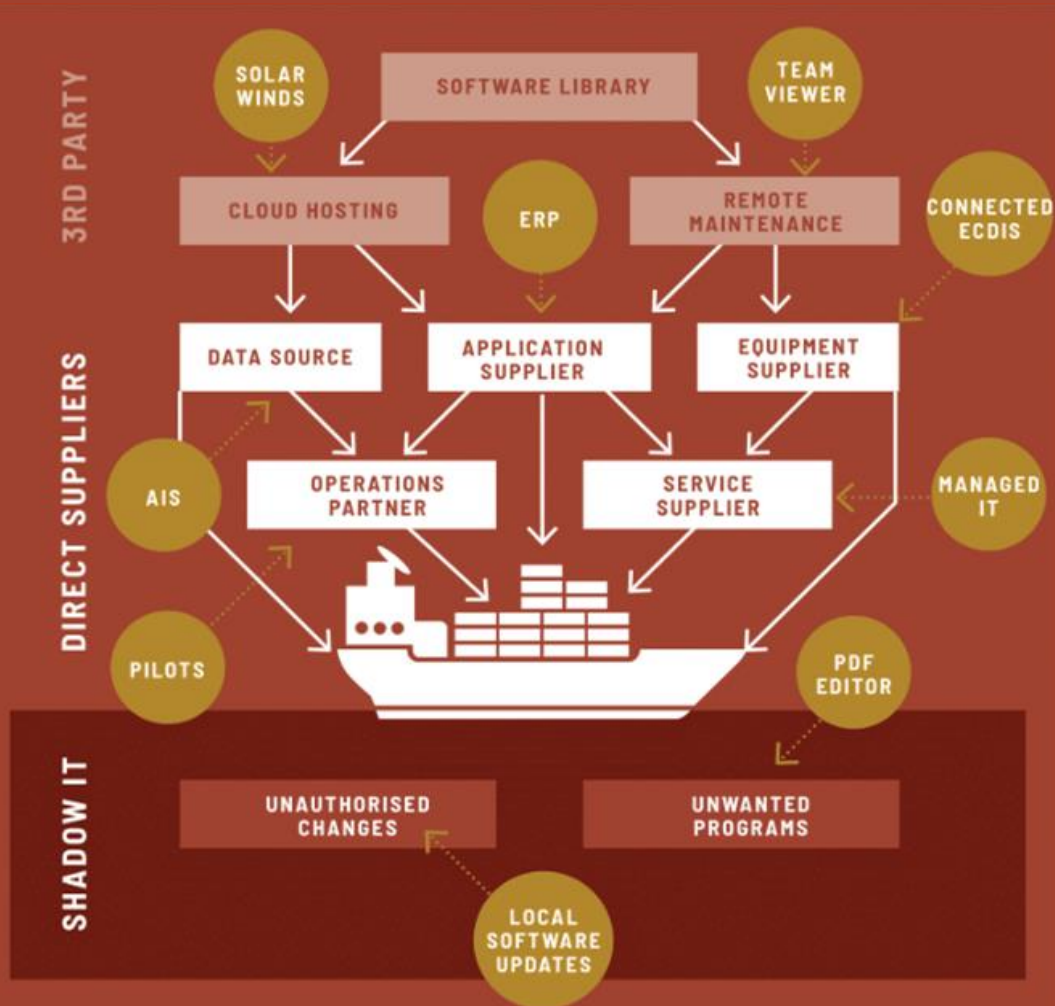


**CYBEROWL**



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# The supply chain disconnect



50%+

*ships have 40-180 connected devices*

60%

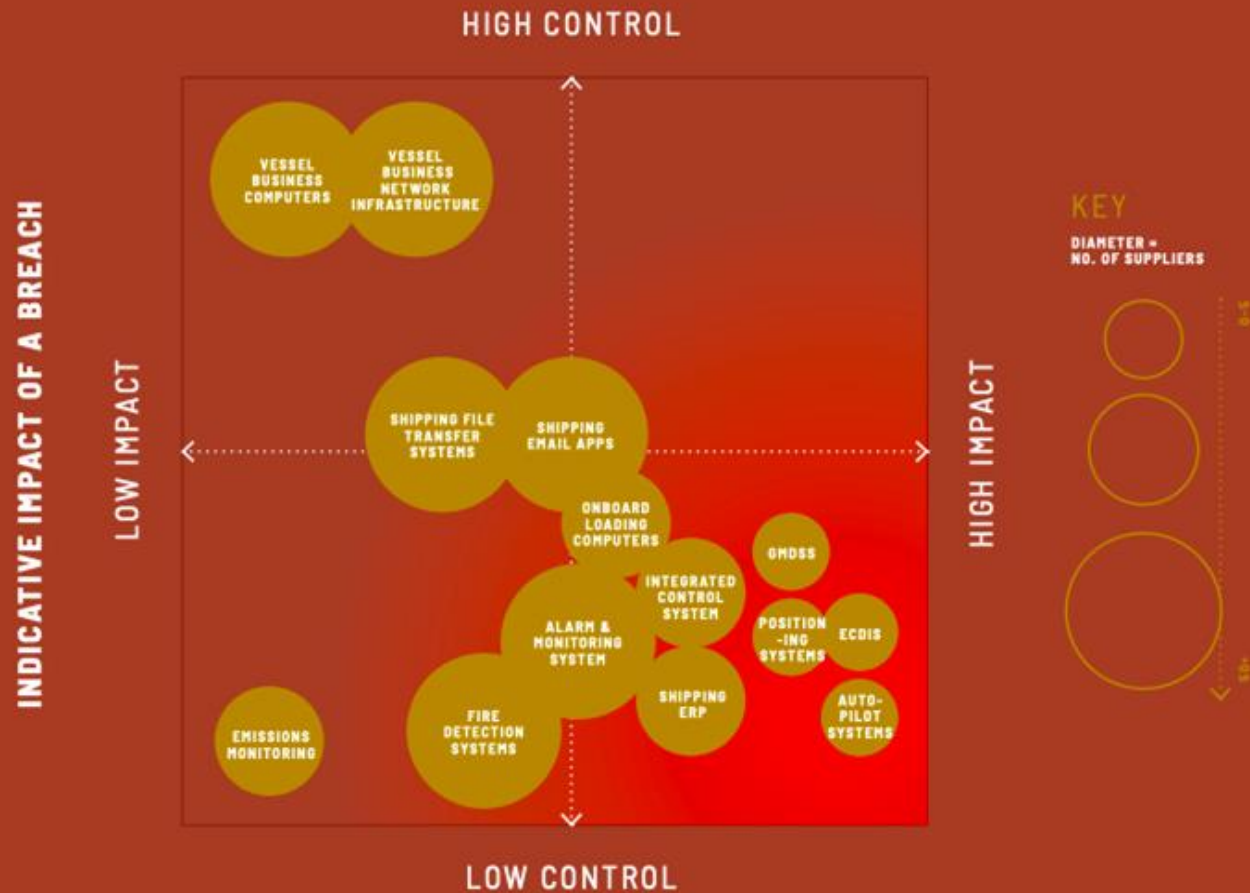
*onboard computers have unapproved software*

30%

*fleets give full local admin rights to crew*

## SHIPOWNER'S CONTROL OVER SECURITY

(dependent on specific operations of vessel)



*only*

# 65%

*vessel systems suppliers  
asked to prove cyber risk  
management*

*Vessels with at least one critical machine frequently:*

*Tethered:*

**8%**

*As hotspot:*

**16%**

*On wifi:*

**28%**

# The risk disconnect



**3%** *of cyber attacks resulted in  
the respondents' organisation  
paying a ransom.*

**\$3.1  
MILLION**

*...Is the average  
ransom paid*

*only*

**34%**

*believe their shipping organisation has appropriate insurance  
in place to cover cyber attacks*



# 54%

*of shipping companies spend less than \$100K per year on cyber security management.*

VS

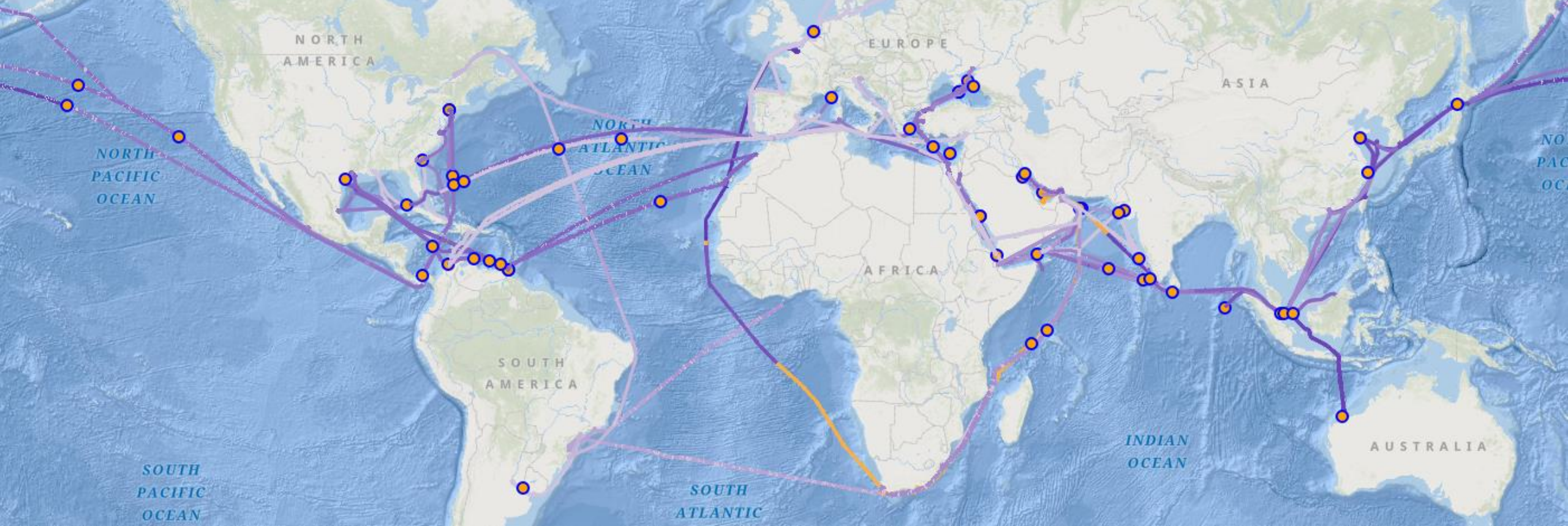
# \$182,000

*An average, cyber attacks cost ship operators \$182,000 per year.*



*For 1 in 12 ship operators (8%), the average cost of cyber attacks is:*

# \$1.8MILLION PER YEAR



# 80%+

*cyber incidents raised shortly after vessel leaves port*

# Recommendations to industry

**1. Set up a dedicated cyber security directorate within fleet operations that covers both IT and OT security**

## **2. Implement a comprehensive cyber incident training and drill programme**

### **3. Develop minimum security standards for suppliers and partners**



## **4. Conduct an urgent review of insurance policies and seek legal guidance on ransom payments**

# **CYBERSECURE AT SEA 2022**

**MAKING SMARTER  
PROGRESS**

- Working smarter with the ecosystem
- Setting up a smarter cyber security “directoriate” for vessel operations
- Maritime cyber exercise

**Register here**





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