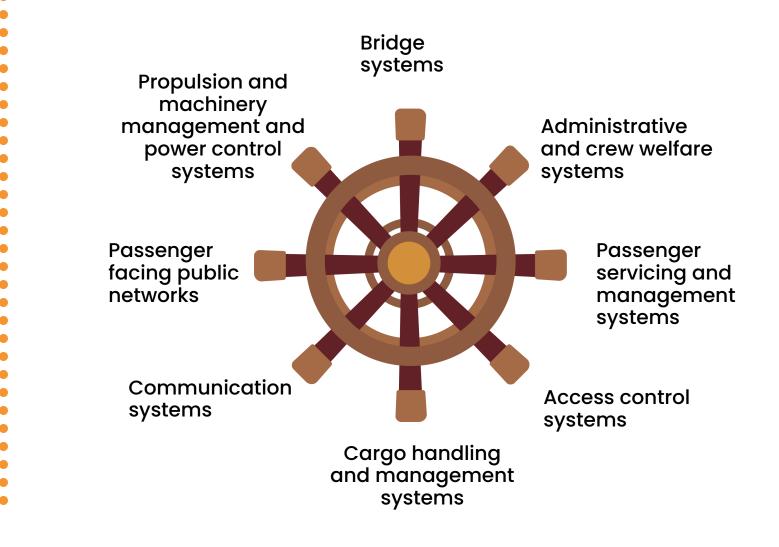# MARITIME
CYBER SECURITY

Why Maritime Cyber Security is so Important?

In today's digital age, Maritime companies must take cyber security seriously in order to protect their operations and assets from cyber-attacks.

400 %

leap in the number of shipping cyber attacks since February 2020.*

*Source: Naval Dome

A Cyber-attack is likely to compromise the safety of crew, ship, cargo, and even ports.

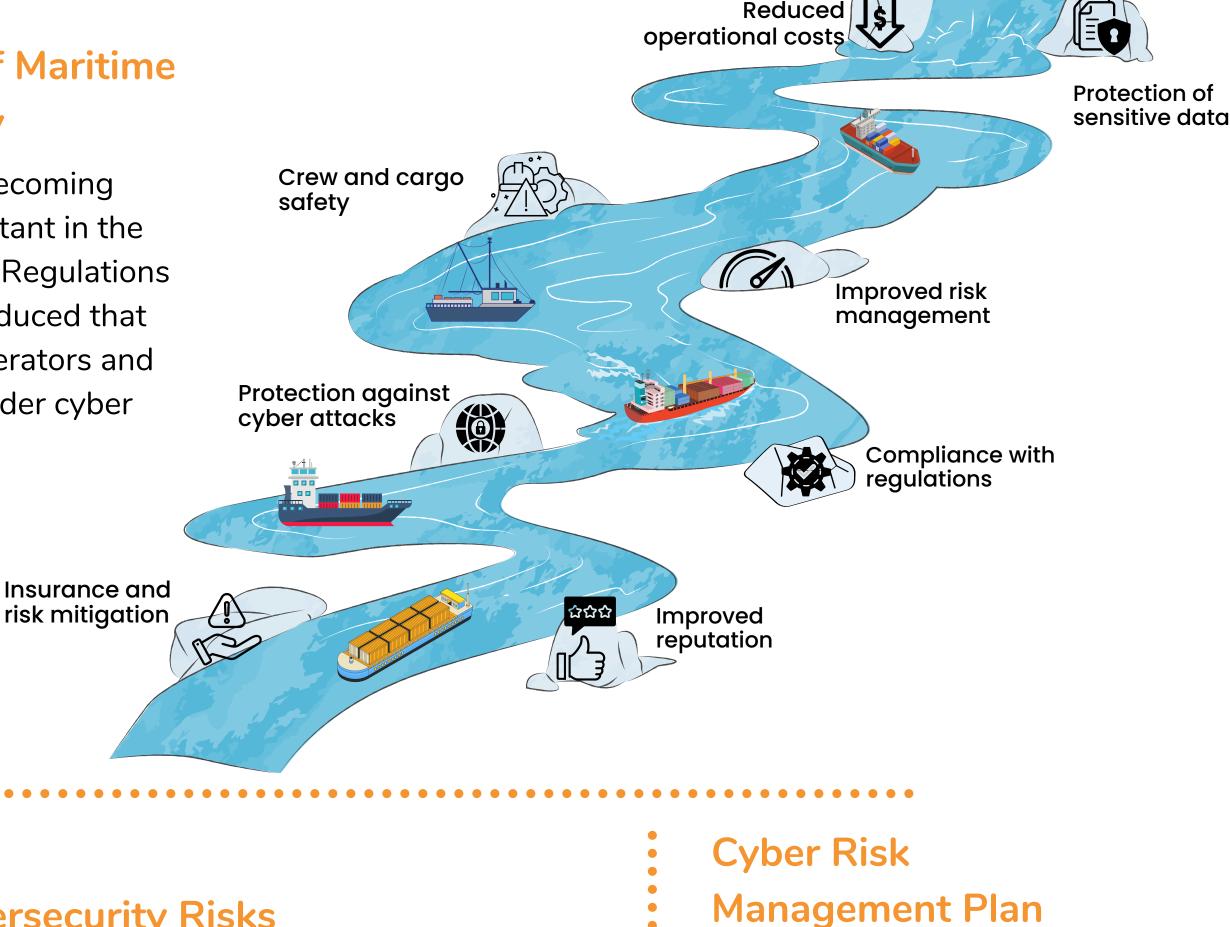The IMO has identified below systems onboard ships as particularly vulnerable:

- Bridge systems
- Propulsion and machinery management and power control systems
- Administrative and crew welfare systems
- Passenger facing public networks
- Passenger servicing and management systems
- Communication systems
- Access control systems
- Cargo handling and management systems

Advantages of Maritime Cyber Security

Cybersecurity is becoming increasingly important in the shipping industry. Regulations and laws are introduced that oblige owners, operators and managers to consider cyber risks.

- Reduced operational costs
- Protection of sensitive data
- Crew and cargo safety
- Improved risk management
- Protection against cyber attacks
- Compliance with regulations
- Insurance and risk mitigation
- Improved reputation

Different Cybersecurity Risks

The frequency and severity of cybercrime are on the rise and there is a significant need for improved cybersecurity risk management as part of every organization's enterprise risk profile.
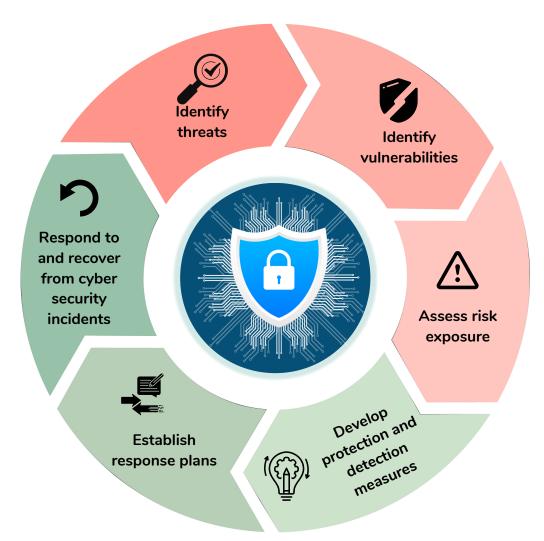
- Malware
- Password Theft
- Ransomware
- Phishing Attacks
- Identity Theft
- FRAUD ALERT
- Spam

Cyber Risk Management Plan

A comprehensive cyber risk management plan should include the following elements:

- Identify threats
- Identify vulnerabilities
- Respond to and recover from cyber security incidents
- Assess risk exposure
- Establish response plans
- Develop protection and detection measures

Varuna Marine Services
Smart Sustainable Shipping

At Varuna Marine Services B.V., we understand the importance of cyber security in the maritime industry. Our approach to cyber security compliance is in line with the IMO's MSC.428(98) guidelines and includes 24/7 active network monitoring with our CyberShell solution.

Request a 15 minutes Demo at: Cybersecurity@varunamaine.eu

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