Reactive to Proactive: Advancing Maritime Cyber Security with a Virtual CISO

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23% of maritime companies have a CISO

CSO

CIO

Chief Information Security Officer

Security Manager

IT Manager

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The Responsibility of a CISO

The key responsibilities include aligning security objectives with business goals and safeguarding information, technology, and processes for Confidentiality, Integrity, and Availability

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Conform to NIST Framework | CSF 2.0

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The Role of a CISO

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The Need of Proactive Cyber Security

“There are only two types of companies: Those that have been hacked and those that will be hacked.”

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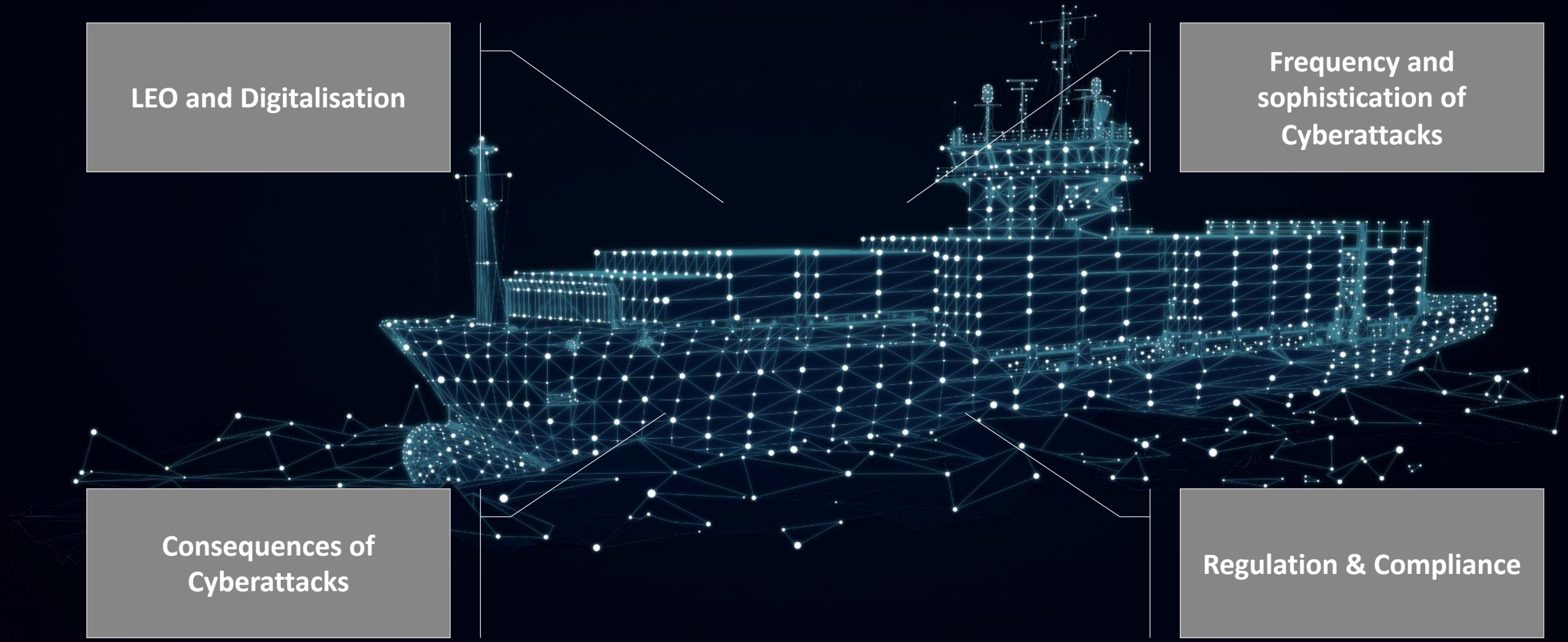
Maritime Challenges

LEO and Digitalisation

Frequency and sophistication of Cyberattacks



Consequences of Cyberattacks

Regulation & Compliance

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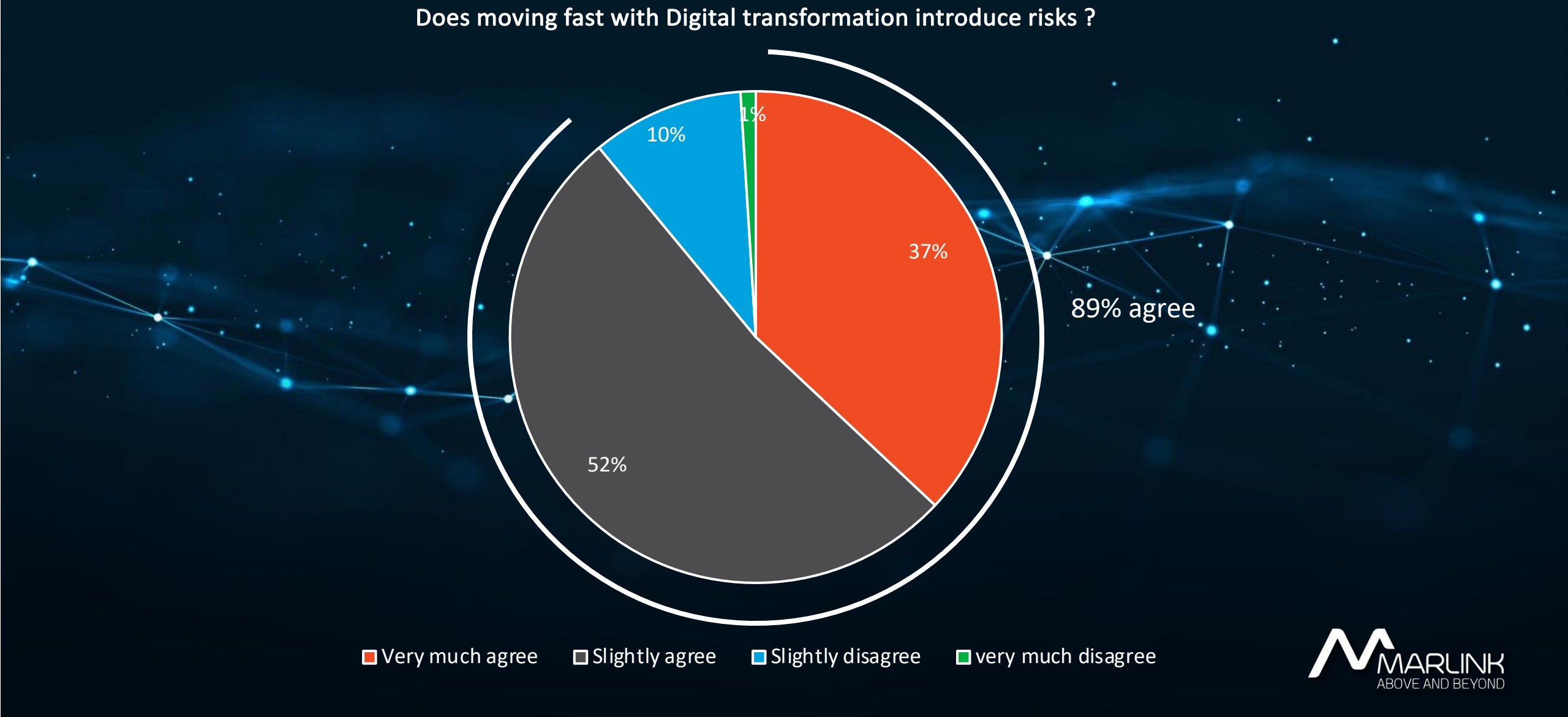
The Need of Proactive Cyber Security



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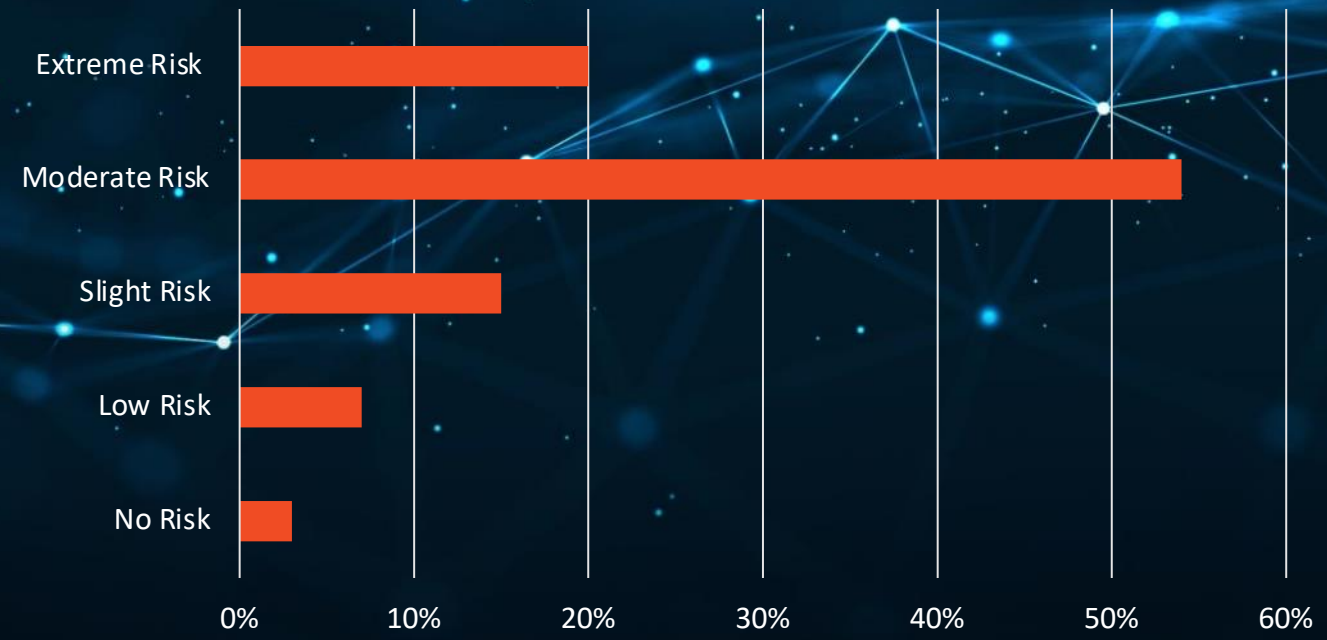
The Need of Proactive Cyber Security

In your opinion, to what degree does this shortage of cybersecurity staff
Put your organisation at risk of experiencing a cybersecurity attack?



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Cyber reality today

- **Cybercrime Economy 2022**: Soaring to $8.4 trillion annually (from $3 trillion in 2020)
- **Data Breach Impact**: Costs an average of $4.24 million. ~ 200 days to detect & contain .
- **Ransomware Chaos**: Causes downtime, recovery challenges, and significant ransom payments.
- **Reputation Risks**: Go beyond finances, damaging customer trust and brand equity.
- **Insurance & Insights**: Cybersecurity directly influences business ratings , posture..
- Proactive security measures are 2 to 3 times more cost effective than reactive security measure

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Compliance & Regulations

IMO INTERNATIONAL MARITIME ORGANIZATION

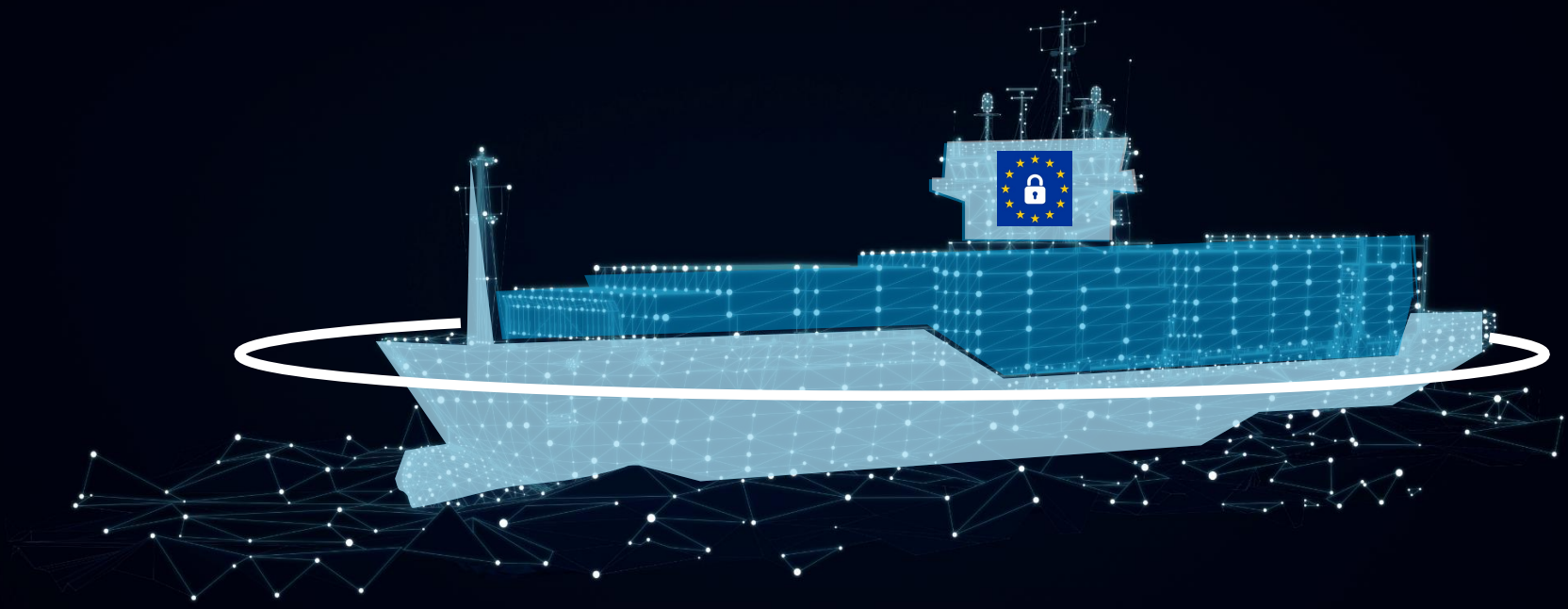
MSC.428(98)

NIS2

1. Management accountability
2. Reporting to authorities
3. Risk Management
4. Business Continuity

UR E27

for third-party equipment suppliers



UR E26

For the ship as a collective entity for cyber resilience

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CISO | Beyond the Title

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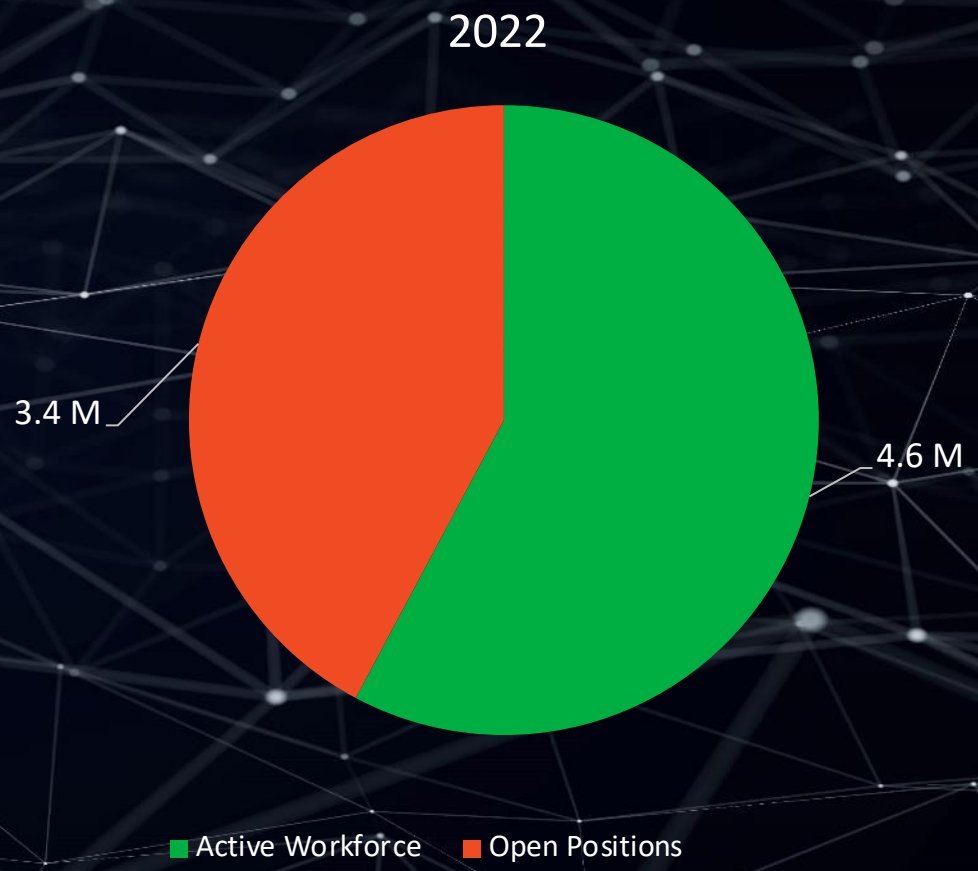
Global Shortage in Cyber workforce (inc. CISOs)

Recruitment a CISO today can be difficult, expensive and depending on the size of the company may not justify the full headcount. With Maritime experience even harder.



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Some perspectives of having the CISO role

“Don’t see the Need and/or Value”

”We are waiting until it becomes a requirement”

"We can’t afford to hire a CISO, so we’ll put the engineer in charge of security.“

”We cover our security requirements with tools”

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Is there a simpler way to help you?

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Benefits of a CISO as a Service

- **Immediate Access to Skills and Experience**
- **Expertise in Maritime industry**
- **Cost Savings**
- **Faster Compliance**

Business embraces all aspects of cyber security and the benefits it brings

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How the service is delivered

- Phase 1: Mission Planning and Scope Definition
- Phase 2: Start of Mission - Onsite Presence and Detailed Scope Agreement
- Phase 3: Performing the Mission – Remote/onsite Service Delivery and Reporting
- Phase 4: Mission Handover and Transition
- Phase 5: Post-Service Support and Clarification

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Marlink´s Digital Portfolio

Cyber Security solutions & Services

NextGen Connectivity & Cloud

IoT solution & Analytics

Network & IT Management

Crew Welfare

Managed Services

Advisory Services

Marlink's Digital Portfolio is built around providing Problem Solving solutions , services and Creating Value to our customers.

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Thank you!
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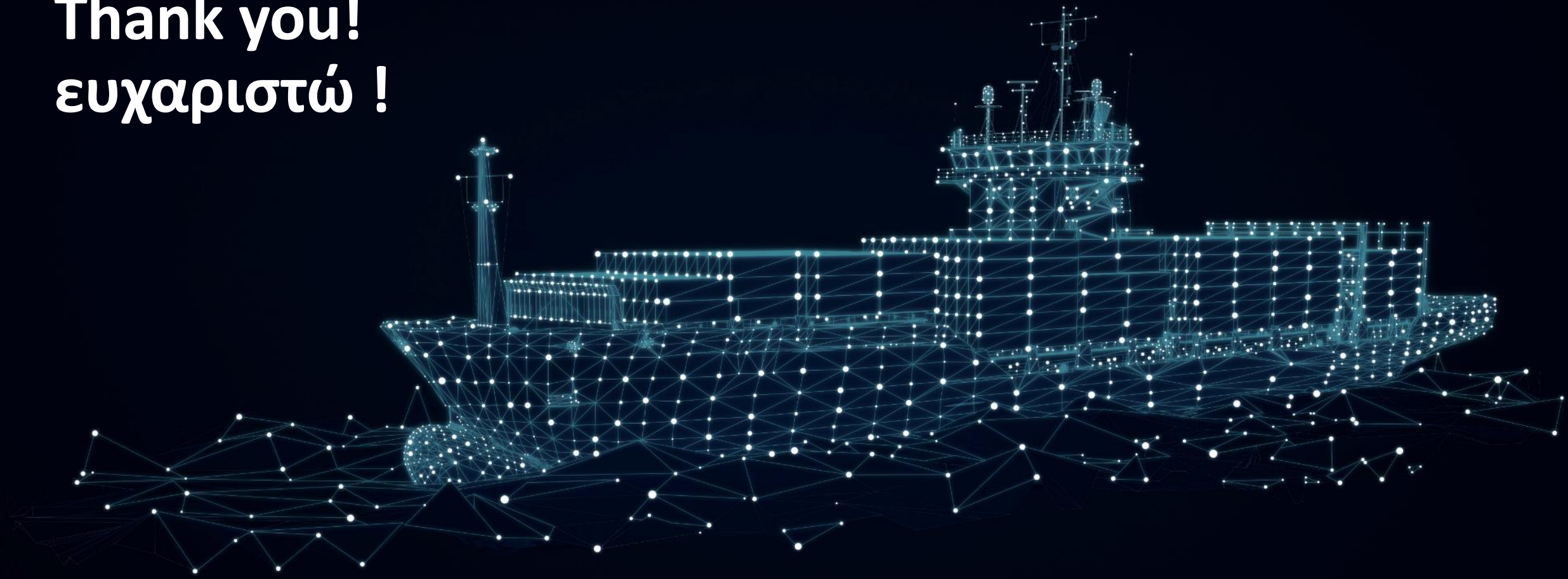

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