ABS Group

SAFETY, RISK AND COMPLIANCE

CYBER RISK REDUCTION AND CYBER RISK RATING (CYBER²) PROGRAM

Cybersecurity is now a business imperative as maritime and offshore operations become more digital and information technology (IT) converges with operational technology (OT) systems. The ABS Group Cyber Risk Reduction and Rating (CybeR²) Program helps shipyards, marine and offshore owner/operators and shoreside terminal operators to assess, understand and control cyber risk for more secure and compliant OT assets.

Comprehensive Cybersecurity Solutions

Our portfolio of Cybersecurity and Risk Management services reduce cyber risk with comprehensive IT and OT capabilities at every stage of your Cyber Defense Program.

POINT OF ATTACK

LIKELIHOOD　　　　　　　　　　　　　　　　IMPACT

ASSESS AND PLAN	PROTECT AND DEFEND	DETECT AND RESPOND
• Maturity Assessment (Powered by FCI) • Incident Response Planning, Program Development • Policy Development • Asset Discovery • Governance Regulatory Compliance (GRC) • Management of Change • Penetration Testing • Security by Design • ISO 27001 Certification	• Training Development and Implementation • Cyber Asset Management • Vulnerability Management • Whitelisting • Hardening • Identity and Access Management • Cloud Security • Data Loss Protection • Endpoint Security Anti-DDoS • Data Loss Protection	• Monitoring • Intrusion Detection • Incident Advisory and Support • Threat Intelligence • Managed SOC • Computer Emergency Response Team • Threat Intelligence • Advanced Detection and Response

Depth and Breadth of Cyber Experience

We have deep domain expertise across a range of asset types and facilities in the maritime, energy and government sectors:

33% TANKERS　　**29%** CARGO　　**19%** OFFSHORE　　**11%** GOVERNMENT　　**8%** PORTS

## Security by Design for operational technology

ABS Group is working across the marine and offshore industries to implement security as early in the design, development and construction process as possible. This will make cybersecurity a consistent and integral part of operations from the beginning.

CYBERSECURITY SOLUTIONS FOR OT SYSTEMS

Award-Winning FCI Cyber Risk Model

The ABS FCI Cyber Risk™ Model was developed following a two-year research contract between ABS and the Maritime Security Center—a U.S. Department of Homeland Security Center of Excellence—led by Stevens Institute of Technology and the U.S. Department of Defense. Launched in June 2018, the ABS FCI Cyber Risk approach quantifies cybersecurity risk and gives owners and operators a practical, actionable strategy to reduce cyber risk onboard a vessel.

GLOBAL DISTRIBUTION OF CYBERSECURITY PROJECTS
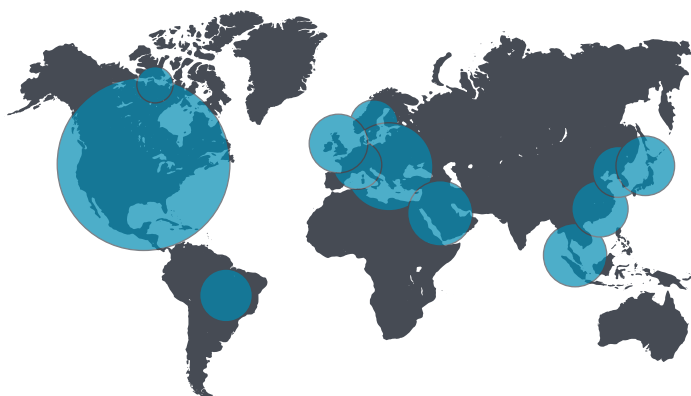
100+
RISK MANAGEMENT TRAINING SESSIONS

- Global Government Training Courses
- Marine Inspector Training
- Cybersecurity Program Development and Assessment

4
NEW CONSTRUCTION PROJECTS SUPPORTED

- Third Party FCI Risk Calculation
- Cybersecurity Assessment and Implementation
- New Build Specification and Design Review
- Training and Workshops
- Support to Obtain Cyber Class Notations

A Growing Threat Impacting OT Assets

Ponemon Institute surveyed 2,410 IT and OT security practitioners worldwide and concluded that current approaches to understanding cyber risks to business operations are failing to help organizations minimize and mitigate emerging and growing threats. We believe a comprehensive cybersecurity program is a business imperative to address the following concerns affecting operators today.

UNDERSTAND YOUR RISK
50%
Respondents experienced an attack against OT infrastructure which resulted in downtime to the company's plant and/or operational equipment in past 24 months.

REDUCE YOUR UNCERTAINTY
49%
Respondents say downtime of OT systems is the highest factor used when quantifying their organization's overall cyber risk.

NEED FOR EXPERTISE
59%
Respondents agree organizations must prioritize cybersecurity and improve ability to keep up with the sophistication and stealth of cyber attackers.

Study: Measuring & Managing the Cyber Risks to Business Operations
Source: Tenable and Ponemon Institute, December 2019

Discover our Cyber Risk Management services and learn more about cybersecurity for OT systems.

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