

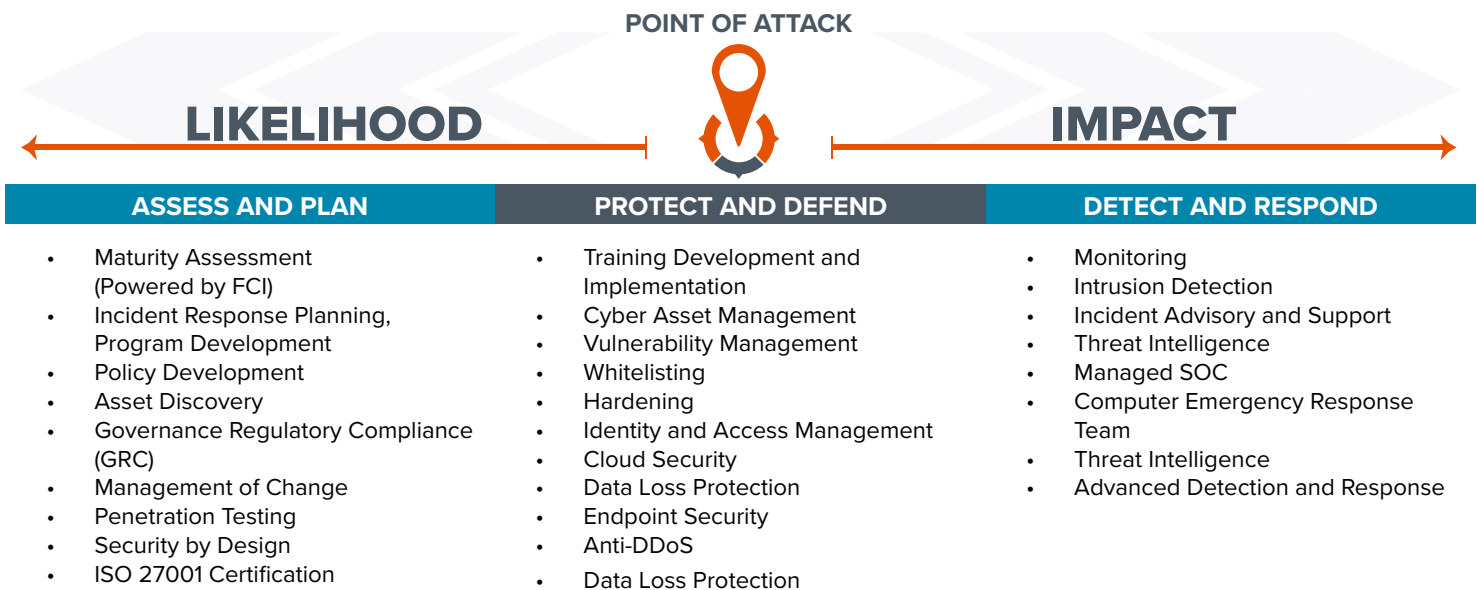
SAFETY, RISK AND COMPLIANCE

CYBER RISK REDUCTION AND RATING (CYBER²) PROGRAM

Cyber security 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 Cyber Risk Reduction and Rating (CyberR2) 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 CYBER SECURITY SOLUTIONS

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



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:



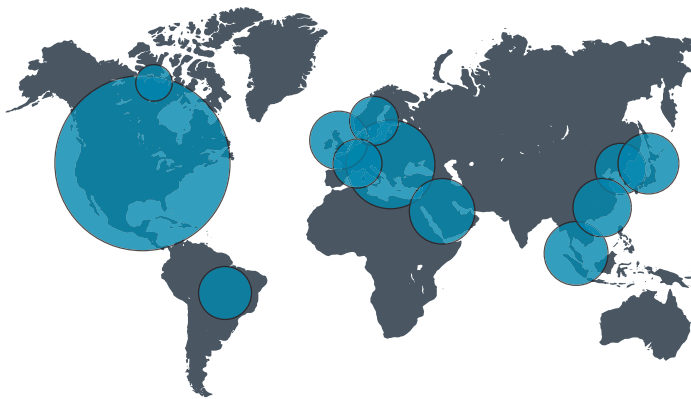
SECURITY BY DESIGN FOR OPERATIONAL TECHNOLOGY

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 cyber security a consistent and integral part of operations from the beginning.

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 cyber security risk and gives owners and operators a practical, actionable strategy to reduce cyber risk onboard a vessel.

GLOBAL DISTRIBUTION OF CYBER SECURITY PROJECTS



100+

RISK MANAGEMENT TRAINING SESSIONS

- Global Government Training Courses
- Marine Inspector Training
- Cyber Security Program Development and Assessment

4



NEW CONSTRUCTION PROJECTS SUPPORTED

- Third Party FCI Risk Calculation
- Cyber Security 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 Cyber² Program is a business imperative to address the following concerns affecting operators today.

UNDERSTAND YOUR RISK

48%

Number of organizations that experienced significant disruption to business processes caused by malware

REDUCE YOUR UNCERTAINTY

56%

Number of businesses worried about an attack that involves IoT or OT assets in 2019

NEED FOR EXPERTISE

59%

Security function has no set schedule or does not scan for publicly disclosed vulnerabilities in a timely manner due to shortage in skilled staff

Study: *Measuring & Managing the Cyber Risks to Business Operations*
Source: Tenable and Ponemon Institute, December 2018