HudsonCyber
Managing Cyber Risk

🌐 **Global**   💡 **Innovative**   🎖️ **Award-winning**

HA-CYBERLOGIX™

In today's hyper-connected business environment, the global shipping industry is increasingly under cyber-attack, and any organization utilizing integrated IT/OT systems is at risk. Unique to this industry, cyber threats can easily and rapidly leap from shore-side office environments to vessels, from vessels to shore-side offices, and then across entire fleets.

Circumventing security protocols, cyber threat actors frequently gain unauthorized access to commercial data and networked IT/OT assets and systems, compromising data integrity and laying the groundwork for operational disruption. Such compromises can result in supply chain disruption, financial fraud loss, first- and third-party liability exposure and regulatory fines. Cyber threats not only erode the viability of a business financially, legally, and reputationally, but they can also attack navigational or industrial control systems with the intent to deliberately degrade a vessel's seaworthiness. Such events compromise safety and security, potentially resulting in environmental damage, property loss, physical injury, or in the worst cases death.

Shipowners are forced to contend with these dynamic, wide-ranging threats and related challenges, including the need to understand the cyber risks affecting their organization, determine their impacts, and make informed decisions about how to most effectively and sustainably allocate finite resources to achieve any degree of cyber resilience.

HACyberLogix™ solves these challenges.

HA-CYBERLOGIX™ EMPOWERS SHIPOWNERS AND OPERATORS TO:

- ✓ *Assess* cybersecurity capabilities across fleets and shore-based operations
- ✓ *Identify* actionable recommendations for mitigating identified cyber gaps
- ✓ *Prioritize* investment planning and risk reduction actions
- ✓ *Align* resources – people, processes, tools, and budgets
- ✓ *Benchmark* cybersecurity capabilities against internal targets and industry peers
- ✓ *Facilitate* collaboration among stakeholder groups
- ✓ *Drive* cross-functional analysis and continuous improvement
- ✓ *Govern* cyber capabilities across divisions, subsidiaries, fleets, and supply chains

HA-CYBERLOGIX™

KEY FEATURES AND BENEFITS

- *Rapidly establishes* (or revamps) a cybersecurity program in as little as one day
- *Saves money* by focusing resources on highest priority needs
- *Prioritizes and filters* dynamically generated recommendations on demand
- *Aggregates and normalizes scoring* to benchmark and analyze trends
- *Generates on-demand reports* in multiple formats to easily inform executives
- *Leverages staff knowledge base* instead of expensive consultants
- *Demonstrates standards of cyber risk management care* to support audits, inspections, post incident investigations, and cyber insurance
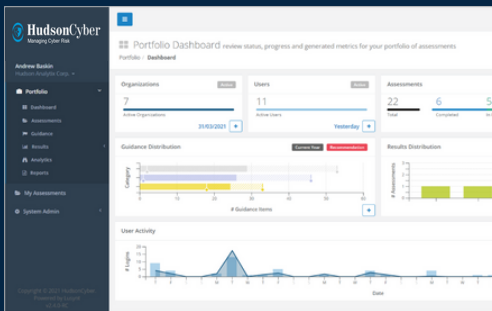
Dashboard views offer rapid access to key data sets with intuitive drill-down and filtering functions.

Actionable recommendations are prioritized and organized by functional domain. Filtering tools enable access to analyze critical information.
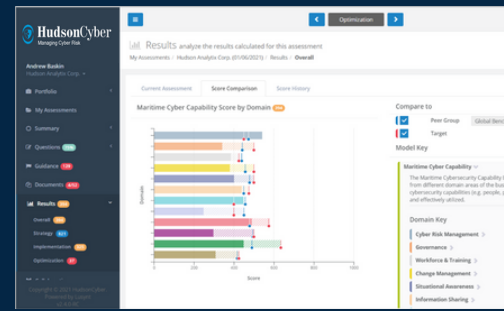
Benchmarking enables tracking progress against baseline capabilities and filtering to monitor performance against peers.

APPLICABLE STANDARDS AND BEST PRACTICES

HACyberLogix™ is based on a maturity-model methodology that helps shipping companies align their cybersecurity to comply with:

- IMO *Guidelines on Maritime Cyber Risk Management* (MSC-FAL.1-Circ.3-Rev.2)
- BIMCO *The Guidelines on Cyber Security Onboard Ships* (V4)
- NIST *Framework for Improving Critical Infrastructure Cybersecurity* (V1.1)
- NIST SP 800-82 (Rev. 2) *Guide to Industrial Control Systems Security*
- CIS *Critical Security Controls for Effective Cyber Defense* (V7)
- ISO/IEC 27001:2013 RE: *Information Security Management Systems*
- US DHS *Cybersecurity Capability Maturity Model* (C2M2)
- OCIMF *Tanker Management Self-Assessment* (TMSA) 3 – Cybersecurity Criteria

HudsonCyber experts leverage extensive knowledge, skills, and expertise from both the cyber and physical security domains. We offer proven, award-winning integrated cybersecurity strategies, advisory support, custom training, and tailored cyber threat intelligence to maritime transportation organizations of all sizes to assist them in understanding, managing, and mitigating their cyber risks.