

# CYBER DETECTION



## Ensure business continuity in the digital age by uncovering advanced attacks

Marlink's award winning Cyber Detection service scans your network traffic for any targeted threats that may be putting the confidentiality and continuity of your business operations at risk. Compromised assets may be remedied using **CyberGuard** - Marlink's security solutions portfolio with additional, optional assistance by one of our Cyber Security Consultants.

The Cyber Detection service monitors all outbound and inbound network traffic 24/7 and enables customers to view threats affecting their vessels through the intuitive, web-based Cyber Detection Dashboard or via user configured notifications.

In parallel, Marlink's Security Operations Centre (SOC) works for you to hunt for sophisticated targeted threats which often pass under the radar of automated, traditional security solutions.

The Marlink SOC is operated by highly-skilled cyber security experts, focused exclusively on maritime communication networks. Our SOC agents are experienced in understanding and detecting threats that affect the wider IT world. Moreover, they possess a deep knowledge of how attackers operate and impact shipping companies.

In addition to the continuous threat monitoring, Cyber Consultancy services can be ordered on-demand, including in-depth incident investigation and response, intrusion tests, vulnerability scans or network audits.

### Key Benefits

- May provide the "Detection" functional element required by the IMO MSC.428(98) resolution coming into force in 2021
- Dedicated maritime cyber surveillance expertise
- Uncovers advanced cyber-attacks explicitly targeting your company
- Detects abusive usage onboard circumventing protection systems
- Actionable alerts and counter-measures
- Subscription model, no installation required
- Winner of the 2021 SMART4SEA Cyber Security Award, recognising Marlink as an organisation that provides a significant contribution to cyber security in shipping.

### Service Components

- Real-time updated threat signatures & cyber surveillance
- Customisable detection profiles according to your internal IT policy and vessel type(s)
- Dynamic & intuitive Cyber Dashboard

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Service Components & Packages		ENTRY	BUSINESS
CYBER THREAT MANAGEMENT	Cyber Threat Monitoring	✓	✓
	Dynamic and intuitive Cyber Dashboard	✓	✓
	Real-Time Vessel Risk KPI and Trends	✓	✓
	Customer specific Threat Filtering	✓	✓
	Counter-Measure suggestions	✓	✓
	User configurable Notifications (Pop-up, Email)	✓	✓
SOC MONITORING	Customisable Detection Profiles	Lite	Full
	Managed Threat Confirmation (False-Positives)		✓
	Direct interaction with a dedicated Security Expert		✓
	Contextual Counter-Measure recommendations		✓
	Incident Pre-Investigations		✓
	24/7 Customer Support	✓	✓
	Incidents Investigations	Standard Access On Demand	Priority Access On Demand
	Cyber Consultancy Services		

## Gain full visibility over unwanted and harmful activity in your network

Cyber Detection can uncover a multitude of issues (even if missed by Anti-Virus or Firewall onboard) and is continually evolving to keep up with the latest threat landscape:

- Malicious applications (e.g. viruses, trojans, ransomware, botnet)
- Abusive usage (e.g. IT policy breaches, blacklisted/blocked applications)
- Intrusion attempts (e.g. port scans, sniffing)
- Confirmed intrusions (e.g. backdoor, 0-day, account compromises, lateral moves)
- Social engineering (e.g. phishing, spam, etc.)
- ... And much more!

The Marlink SOC is in constant exchange with the cyber security expert community to integrate new threat campaigns and strategies.

Each detailed threat description can be accessed in the Cyber Detection Dashboard, giving practical counter-measure suggestions to remedy the incident.

## Compatibility

Cyber Detection is ideal for vessels equipped with Sealink VSAT connectivity and XChange 5.0 (or newer). In addition, Cyber Detection is fully compatible with Marlink Fleet Xpress as well as Inmarsat FleetBroadband and Iridium Certus.

## Versatile Package Options

Choose a Cyber Detection service package in accordance with your preferences and in-house resources:

- **Entry Package** - full Cyber Detection Dashboard access, with suggested counter-measures following the detection of threats
- **Business Package** - full Cyber Detection Dashboard access with threat confirmation by the SOC to remove any false positives as well as direct assistance by a dedicated security expert

## What our customers say

*"Marlink's services provide the foundation for a new chapter in our history as we further digitalise our fleet, improve our operational profile and achieve cyber compliance."*

Ulrich Adami, Managing Director,  
Hartmann Reederei.

## Find out more

To learn how Cyber Detection is integrated into Marlink's CyberGuard cyber security solutions portfolio, visit [marlink.com/cyber](http://marlink.com/cyber) or contact us.



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