

# CYBERGUARD THREAT DETECTION



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

Marlink's CyberGuard Threat 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 in a few clicks through the CyberGuard Portal.

The Threat 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 CyberGuard Portal or via user configured notifications.

In addition, Marlink's Security Operations Centre (SOC) hunts 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.

For customers without the required staff resources or competences to respond to detected cyber security threats, Marlink is offering a managed cyber security service (MSSP). Following a detected threat, the Marlink MSSP team will implement the most effective remediation countermeasure.

**ClassNK** has awarded an **Innovation Endorsement** to the CyberGuard Threat Detection service, recognising it as "technological front runner" in detecting cyber threats affecting vessel operations. Moreover, the service has received the **Safety4Sea Award** in recognition for a "significant achievement or contribution to cyber security in shipping".

### Key Benefits

- Provides the "Detection" functional element required by the IMO MSC.428(98)
- Subscription model, no onboard installation
- Managed by you or managed by Marlink threat remediation models
- Dedicated maritime cyber threat expertise
- Uncovers advanced cyber-attacks explicitly targeting your company
- Actionable alerts and countermeasures

### Service Components

- **Security Information and Event Management (SIEM):** Real-time threat detection based on multiple cyber security sources
- **Security Operations Centre (SOC):** threat confirmation, hunting and incident support
- **Managed Security Services Provider (MSSP)** fully Marlink-managed threat remediation
- Dynamic & intuitive CyberGuard Portal

		CYBERGUARD			
		MANAGED BY YOU		MANAGED BY MARLINK	
Service Components & Packages		Threat Detection	Advanced Threat Detection	Threat Detection & Remediation	Advanced Threat Detection & Remediation
SIEM	Threat Monitoring	●	●	●	●
	CyberGuard Portal	●	●	●	●
	Notifications (Mail, API)	●	●	●	●
	XChange Countermeasures	●	●	●	●
SOC	Threat Confirmation		●		●
	Threat Hunting		●		●
	Security Expert Support		●		●
MSSP	Threat Remediation			●	●
	Countermeasure reports			●	●
	Incident Contacting			●	●

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

CyberGuard Threat 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 CyberGuard Portal, where countermeasures can be applied to the onboard XChange platform in just a few clicks.

## Compatibility

CyberGuard Threat 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.



## Service Management Options

Depending on your preferences and resources, CyberGuard Threat Detection can be provided in either a Managed by you or Managed by Marlink configuration.

### Managed by you

- Threat Detection comprises threat monitoring and full access to the CyberGuard Portal
- Advanced Threat Detection additionally includes assistance and threat hunting by SOC experts

### Managed by Marlink

- Threat Detection & Remediation: threat monitoring + resolution fully delegated to Marlink
- Advanced Threat Detection & Remediation: threat monitoring + resolution delegation with advanced threat hunting by SOC experts

## 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 more about Marlink's CyberGuard portfolio, visit [marlink.com/cyber](http://marlink.com/cyber) or contact us.

## Marlink Customer Care

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