



NACOS Cyber Shield

Fortifying Cyber Resilience in the Era of Digitalisation with NACOS Platinum Cyber Shield product and services.

As a vendor offering marine solutions, we recognise that managing cyber security of systems and solutions must apply across all maritime stakeholders. While it is true that security is in constant flux where context plays a critical role, there are a few fundamental principles that form the basis of any security journey.

Our fundamental activities are related to secure product development, delivery, and operations during the full lifecycle of the system. Together we work to enhance the cyber resilience of ships and support them at all stages of digitalization with the flexibility to meet various levels of cyber security requirements.

Product development, delivery and lifecycle management of Nacos Systems solutions

Cyber security must be built into the process from the very beginning of the product lifecycle and followed up by activities along the way. Below find some examples of what this entails.

- Safe and secure delivery
- Managing security throughout the product lifecycle
- Monitoring and incident management
- Training and awareness

CYBERSHIELD COVERAGE	SL-1	SL-2	SL-3	SL-4	ENHANCE	SERVICE AGREEMENT
Least Functionality, OS & DB hardening						
NACOS Fast Recovery						
Anti-malware protection						
OPC UA Data transfer, Remote Maintenance						
User Right Management, Least Privilege Identification and authentication control						
Asset Management, Change Control						
Cyber logging and alarming						
End-to-end authentication						
Centralized Network Monitoring						
NACOS Network Probe						
NACOS Network Segmentation						
NACOS Operational / Service Mode						
NACOS Cyber Security Self Test						

To secure our platform against potential threats, we can offer cutting-edge services and features that will provide a comprehensive and robust defense in-depth strategy.

NACOS Cyber Shield functionality and services are designed following IEC 62443-3-3 SL-1,3 and IEC 61162-460, some of the functionality goes beyond it, either by matching a SL-4 requirement or additional other security measures.

PSIRT

Along with our cyber technology implementations, we have a dedicated Product Security Incident Response Team (PSIRT) of IT / OT cyber security experts focused on supporting customers with potential cyber security incidents on NACOS Systems.

Service Agreement

To keep the system updated and security patched over time, we can provide our customers with additional lifecycle service agreements tailored to minimize the risks of running outdated system components that may weaken the original cyber security posture.

Robust and Resilient System Design

The flexibility of our platform allows a wide range of design options to cover everything from a small stand-alone alarm panel to a complete integrated system that can combine different NACOS Platinum applications as well as be combined with 3’rd party systems.

Our offerings include for example:

- Dual-ring network topology
- Emergency power supply
- Redundant workstations, PLCs and main sensors
- Network layer segmentation

The NACOS System architecture helps you with:

- Isolating vulnerabilities
- Granular control
- Improved compliance
- Enhanced performance

At NACOS Marine, we are redefining control at sea. Born from decades of maritime expertise, NACOS Marine delivers fully integrated automation, navigation, and dynamic positioning solutions, built on one intuitive platform. We empower vessel operators with precision, situational awareness, and confidence in the most demanding marine environments.

