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Cyber security and protection

Voyager HEALTH CHECK

Providing essential solutions to protect valuable assets

In our modern, connected and digitised world, cyber threats have become a fact of life, capable of doing harm to people, vessels and business. The IMO has given ship owners and managers until January 2021 to incorporate cyber risk management into ship safety. Non-compliant vessels will be at risk of detention after this deadline.

Whilst some of the more extreme examples of cyber risk, even if theoretically possible, are at the outer reaches of probability and imagination, there are plenty of less extreme scenarios that can negatively impact upon ships, ports, people and profit margins.

GNS's Cyber Security and Protection portfolio comprises a range of services specifically designed to keep abreast of and protect against threats faced by shipping companies today. It provides essential security capabilities that support customers' drive to protect their people and assets in the face of emerging strategic and operational business challenges.



Enhance your shipping operations with data-led navigation

PC HEALTH CHECK

Protection on board starts at the point of ship's connectivity which is usually the vessel's PC. With cyber threats on the increase and continually evolving, there is an increasing need to monitor and analyse system activity to identify and prevent attempted incursions. Our Voyager PC HEALTH CHECK application helps protect the onboard PC by bringing together lots of tools in one comprehensive programme that identify the vulnerabilities and configuration issues that hackers use to penetrate your systems.

- Optimise speed and performance - Voyager HEALTH CHECK monitors processes and boosts performance by cleaning the Windows registry and defragging your PC
- Update easily - Voyager HEALTH CHECK identifies the things you need and helps you download them to improve your PC performance
- Increase security - Keep your computer safe. Voyager HEALTH CHECK removes malware and cleans your Internet privacy files

V-DRIVE

Digital navigation now means that digital charts, digital publications, permits and updates are delivered on board via the internet from a variety of different publishers and producers in order to keep navigational content up to date. USB/flashdrive has evolved as the most common way to move data from the connected

PC back of the bridge to the ECDIS to help keep the front of bridge environment secure. However, in this scenario, there is still a risk that the USBs can accidentally transfer malware – particularly if it is also used for other purposes. To help combat this threat, V-DRIVE provides both software and a dedicated USB to enable more secure transfer of navigational data. Every time the V-DRIVE is used it clears everything from the stick before downloading all the files the required for safer transfer to the ECDIS.

Maritime Cyber Security Awareness Training - MCA approved

GNS has partnered with the team at Be Cyber Aware at Sea to provide cyber security awareness training specifically designed and developed for the Maritime and Offshore industries. This training course and the supporting guidance booklet takes a bottom-up approach and is aimed at one of the biggest vulnerabilities onboard, 'The Human Element' and helps to develop an understanding and awareness of the emerging cyber threat.

COURSE CONTENT

- Malware Awareness
- Phishing & Social Engineering
- Passwords
- The 'Insider Threat'
- Securing Mobile Devices & Removable Media
- Responsible Web Surfing & Social Media Habits

Guide to Maritime Cyber Security

Simple Cyber Security Framework to help improve understanding and develop safer working practices

- **Cuts through the cyber security information overload**
- **6 practical steps**
- **Easy to implement**

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Voyager NAVIGATION AS A SERVICE

Everything you need for safe efficient navigation and lowest priced charts and publications

- **Data analytics for fleet management on shore**
- **Complete suite of navigation software**
- **Includes tools to help protect from cyber threats**
- **Cost price navigation supplied**

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