

New Era... New Cybersecurity Habits



pylones*



New Era... New Cybersecurity Habits



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MARITIME CYBER SECURITY CHALLENGES

- * Shore based attacks
- Vessel attacks
 - ***** IT Systems
 - * OT Systems

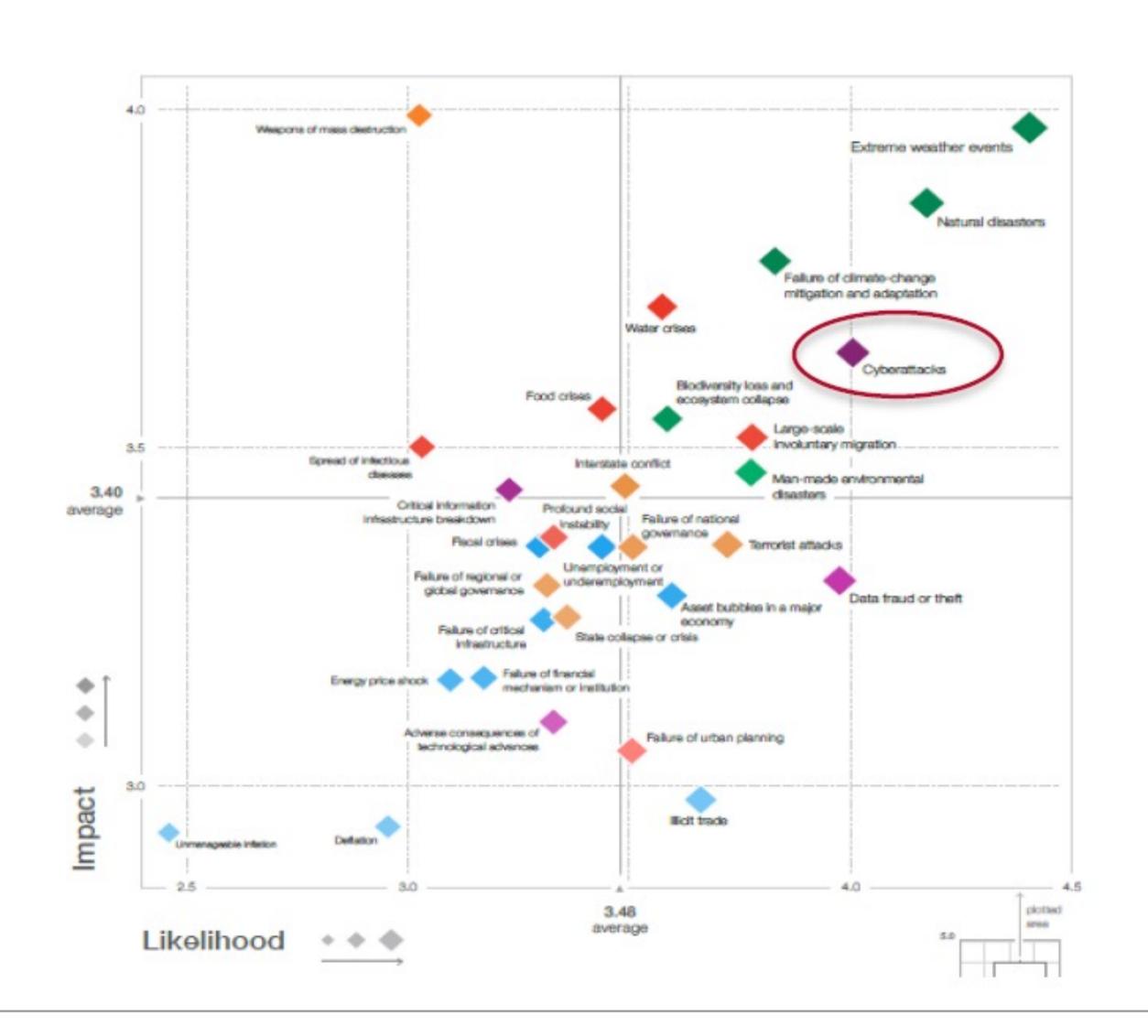


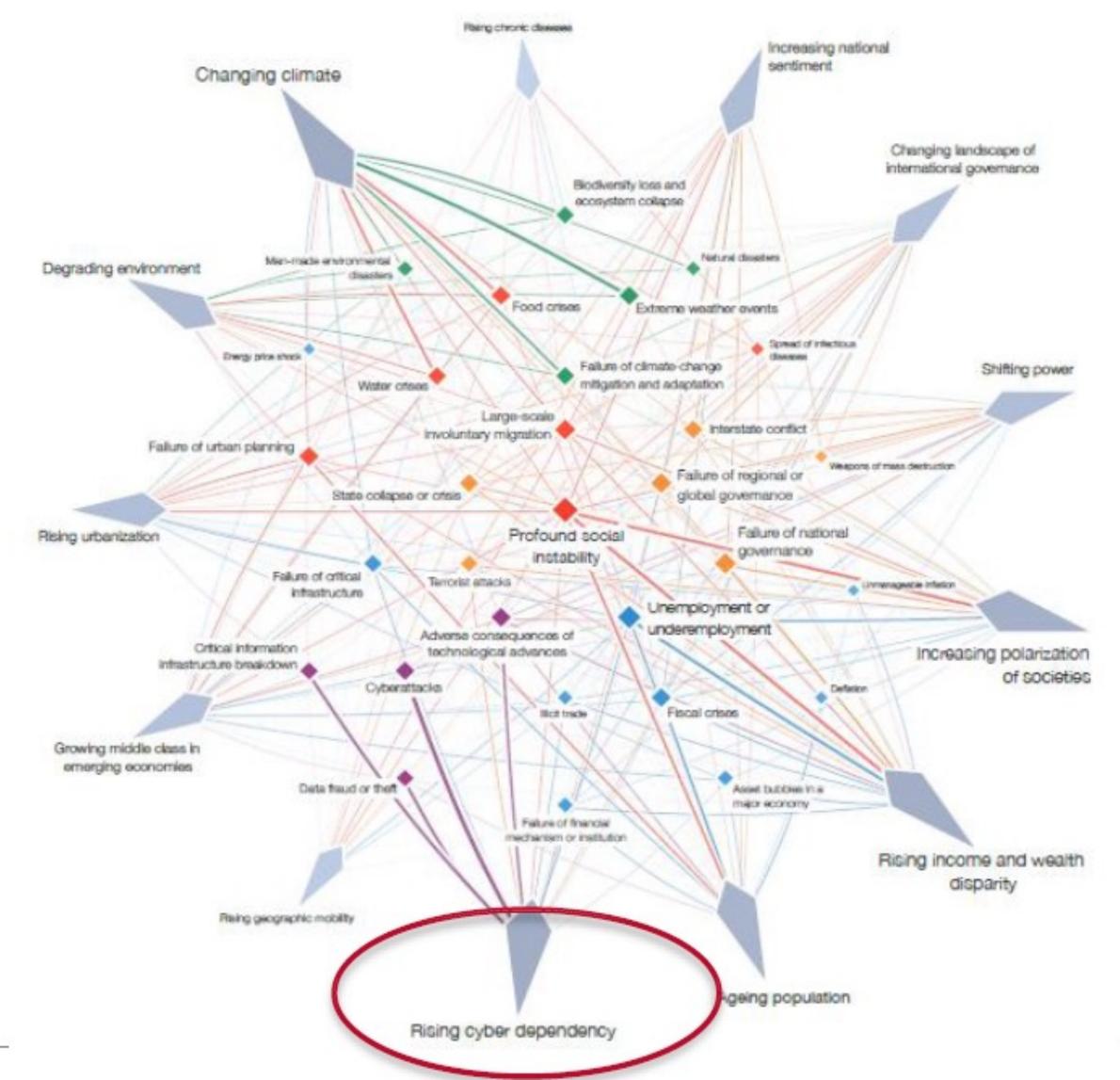
Maritime Cyber Attacks
Increase by 900% in
Three Years



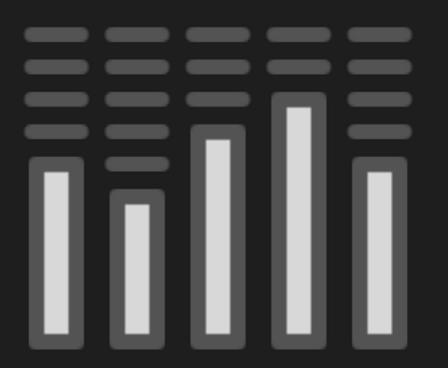
Cyber-Attacks: The new type of piracy in the Maritime World

World Economic Forum Report – last 3Y Top concern +COVIDx

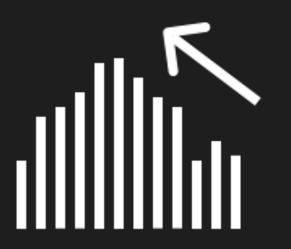








DIGITAL ERA



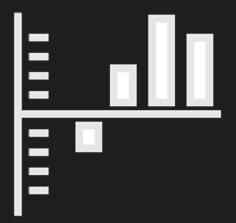




Limited Headcount & Budget



Digitalization & Compliance



Data analytics & Fleet Performance



Cybersecurity



Crisis onboard



- Crew rotation affects operation
- *Cyber awareness close to zero!
- *Bandwidth (business critical)
- *Inadequate measures and procedures

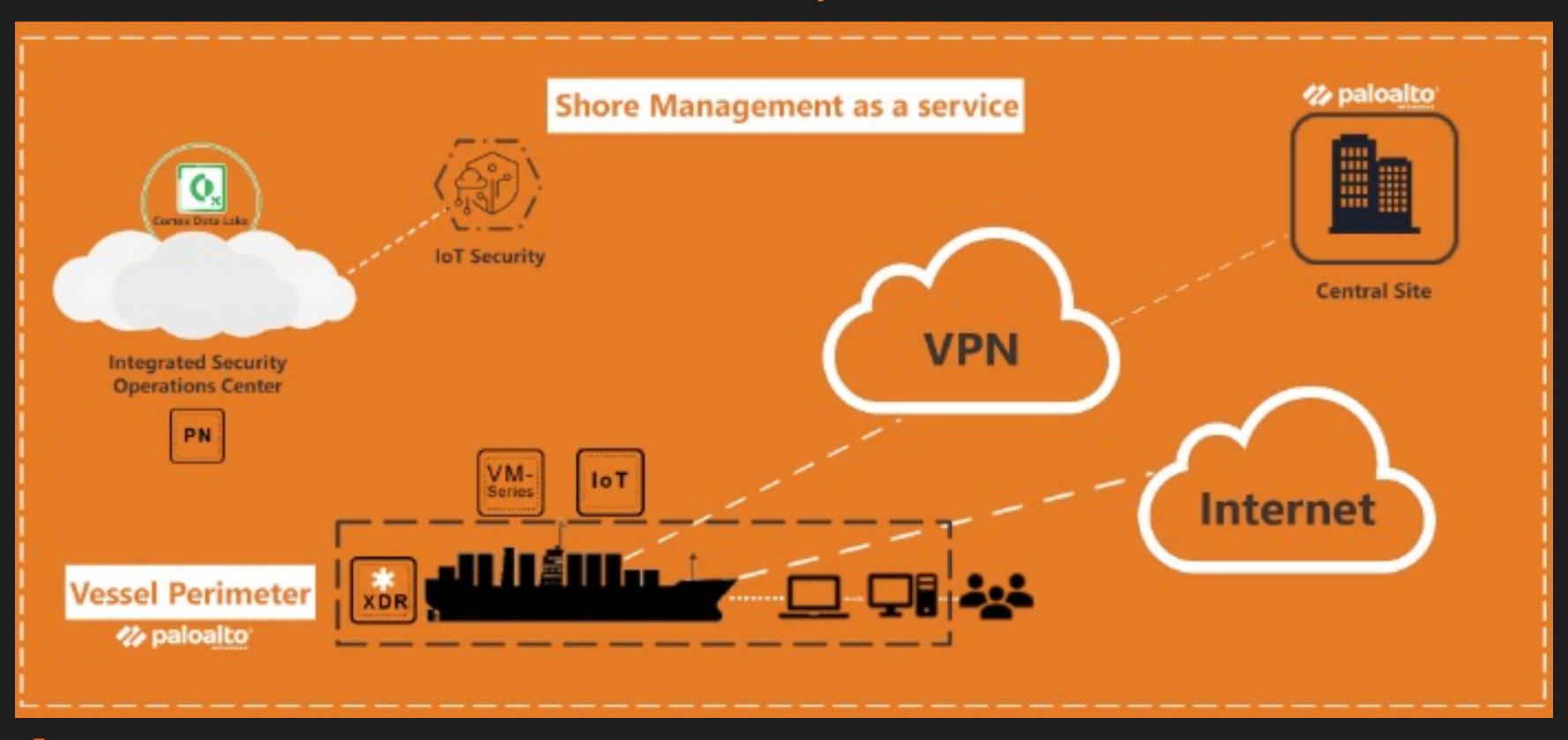






SHORE to VESSEL

SAFEGUARD as a SERVICE | GLOBAL PROVISIONING



- MULTI-VECTOR PROTECTION [IT, TERMINAL, MOBILE, OT, 10T, ICS] COMPLETE RISK VISIBILITY
- NATIVE OPERATION 🗱 OFFLINE OPERATION & BREAKPOINT 🜟 NATIVE OPERATION
- CYBER FLEET TIMELINE 🗱 AIR TIME AWARENESS 💢 COMPLIANCE VISIBILITY







Achieve efficiency with less workload



Integration with SIEM



Daily Workload







Low TCO, no need for extra headcount



Limited
Headcount &
Budget

- ***** Low TCO
- ***** High ROI
- * Enterprise solution & functionality
- Within budget limits



New Habits



Compliance has never been easier

* One click compliance report per fleet (or per vessel, you choose!)



Digitalization & Compliance

| Table 1: Identify (ID) | | | |
|--|---|---|--|
| Category | Subcategory | Palo Alto Networks | Products and Subscriptions |
| Asset Management (ID. AM): The data, personnel, devices, systems, and facilities that enable the organization to achieve business purposes are identified and managed consistent with their relative importance to organizational objectives and the organization's risk strategy. | ID.AM-2: Soft- ware platforms and applications within the organization are inventoried | Palo Alto Networks can support this requirement with our native App-ID™ technology. Multiple identification techniques are used to determine the exact identity of applications traversing your network. Applications using encryption or that attempt to masquerade as legitimate traffic are also correctly identified, assisting with the inventory process. In addition, Prisma™ SaaS is a multi-mode cloud access security broker (CASB) service that allows you to govern sanctioned SaaS application usage across all users in your organization and prevent the risk from breaches and noncompliance. | Next-Generatio Firewall, VM-Series, Prisma Access Prisma SaaS |
| | ID.AM-3: Organiza- tional communica- tion and data flows are mapped | Palo Alto Networks App-ID enables visibility into the applications on the network, so you can learn how they work and understand their behavioral characteristics and their relative risk. This application knowledge allows you to create and enforce security policy rules to enable, inspect, and shape desired applications and block unwanted applications. When you define policy rules to allow traffic, App-ID begins to classify traffic without any additional configuration. The mapping is key to creating Zero Trust networks. Palo Alto Networks provides a redundant and able architecture to maintain continuous organization's services and information of the services and information of the services are services and information of the services and information of the services are services as services are services and information of the services are services are services are services and information of the services are services as services are services and information of the services are services as services | Next-Generation Fire |
| Business Environment (ID.BE): The organiza- tion's mission, objec- tives, stakeholders, and activities are understood and prioritized; this information is used to in- form cybersecurity roles, responsibilities, and risk management decisions. | ID.BE-5: Resilience requirements to support delivery of critical services are established for all operating states (e.g. under duress/attack, during recovery, normal operations) | Palo Alto Networks provides a redundant and able architecture to maintain continuous organization's services and infravirtualized firewalls can be provided and a with redundant components and a security processing nodes in a location, the nodes of the by default in a high availability active/passive design. You can configure both service connections and remote network connections to use a secondary WAN IPsec tunnel, and a second internet connection on your on-premises device to use the secondary WAN. If the primary WAN IPsec tunnel fails, the secondary WAN IPsec takes tunnel over as the active tunnel. This design uses an active/passive method. | Next-Generation Firewall, VM-Series, Prisma and Cortex cloud- delivered applications and services |
| Commence (ID CV). IIIb a | | Palo Alto Networks offers Prisma™ Cloud, a cloud native security platform that provides comprehensive visibility, | |





New Habits

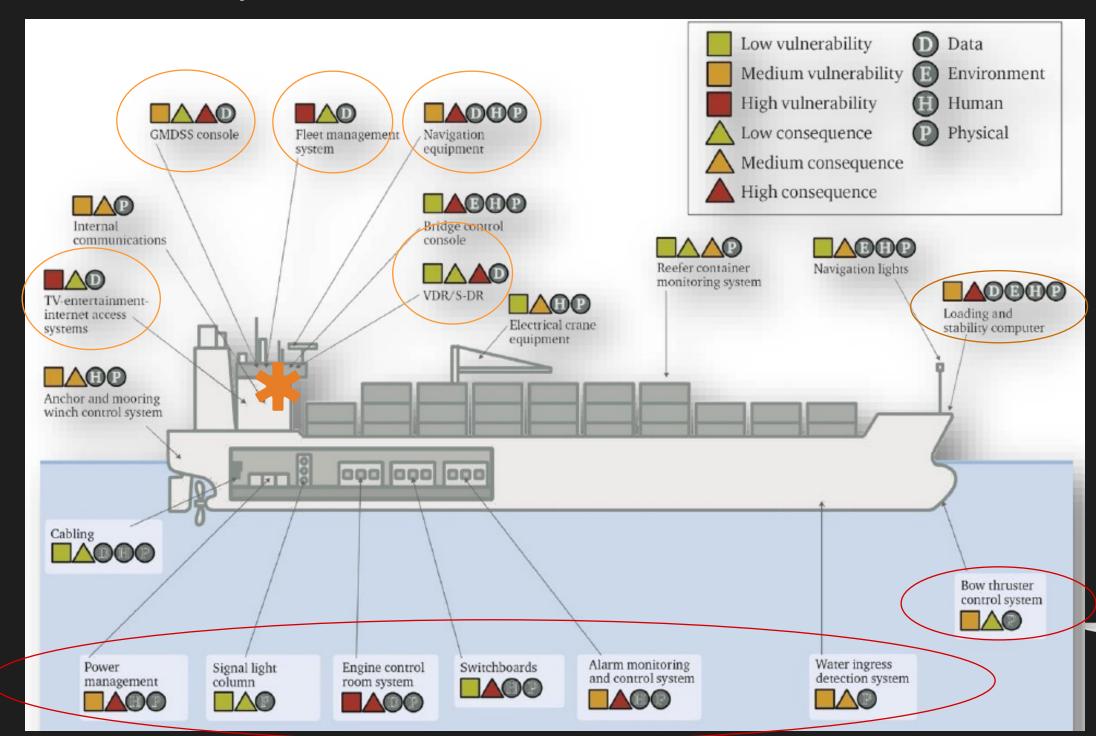


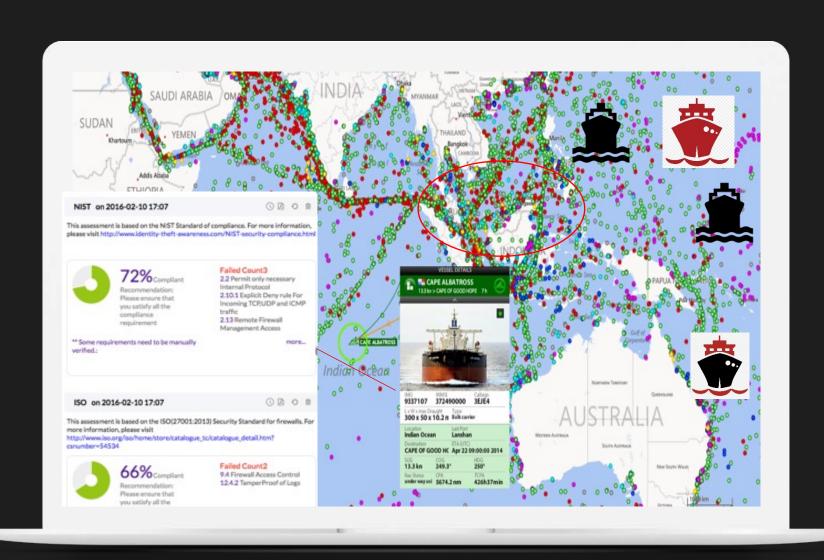
Digestible Info

- Information regarding Cybersecurity heatmap across FLEET
- ***** Full visibility on IT & OT systems onboard vessels



Data analytics & Fleet Performance









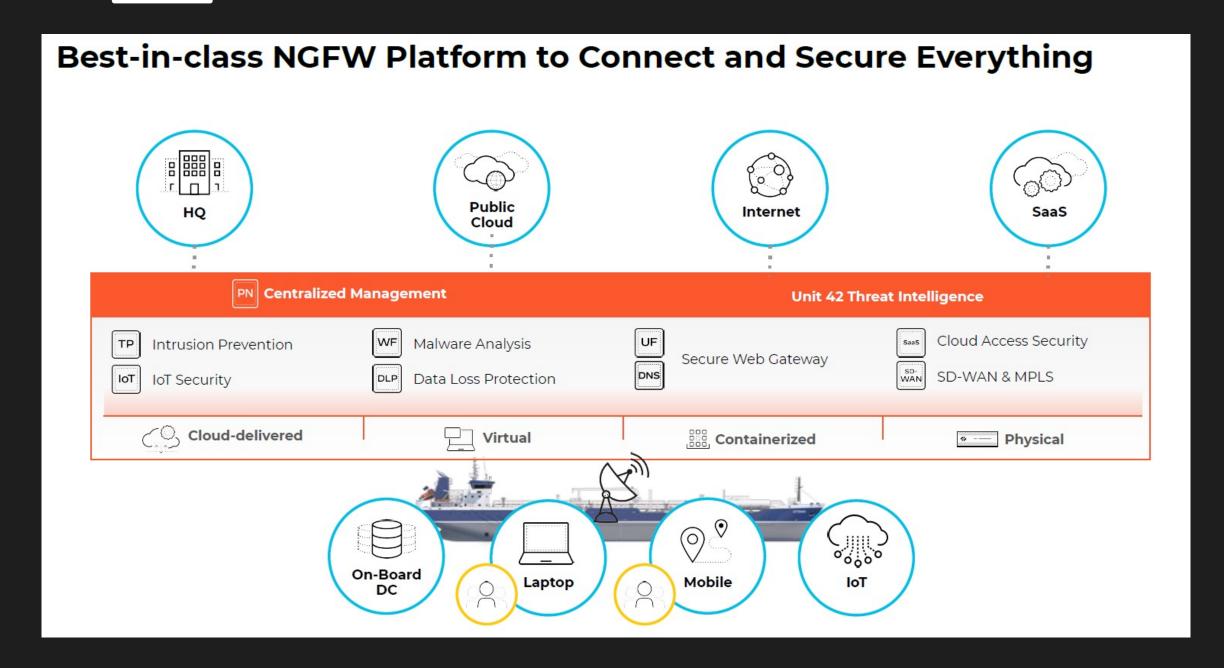
New Habits

Cybersecure your fleet

- Safeguard your IT & OT infrastructure onboard
- * Satcom bandwidth prioritization and utilization
- * transactions Ransomware prevention



Cybersecurity



Pylones at a glance



Turnover: >8.5m Euros (steadily increasing for the past 9 years)



Focuses 95% in Private Sector (Corporate & Enterprise ICT Market)



>45 Full Time Employees (25% more than 10 years with the company)



ISO 9001:2008 ISO 27001:2013





>12 International Projects



40+ vendor certifications (F5 Networks, Palo Alto, HPE, IBM, AWS, Microsoft etc.)



Long term partnership with leading companies in the private sector



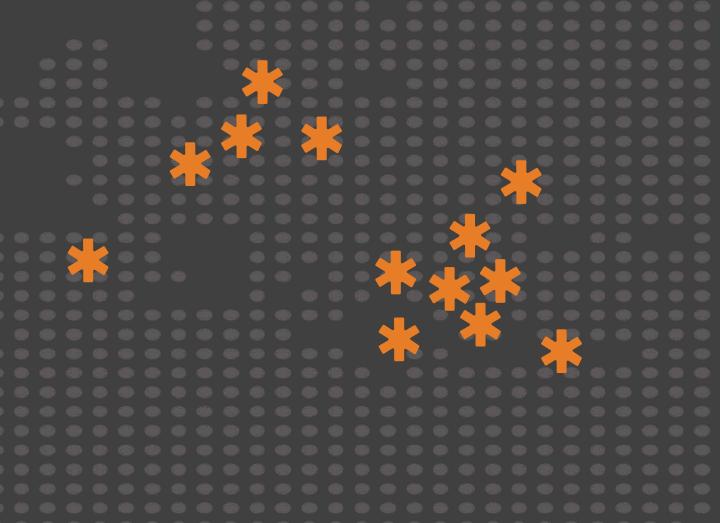
13 International Vendor partnerships

Founded in 1997

Owned by Cyprus based P.M. Tseriotis
Group

Activities in Greece,
Cyprus, Central &
Southern Europe with
numerous projects
internationally

International activity



Trusted clients around Europe - Middle East - Australia

Greece | Cyprus | Australia | UAE | Spain | Germany | France | Estonia | Malta | Poland | Romania | Bulgaria | Albania | Serbia | Croatia)





Telco Banking nsurance































































































