

How to shape a Marine IT Department in 2022



Agenda



Team



Technology



Compliance



Future

Marine ICT

*Same
as
any
IT,
but*

Several remote “offices” moving around the world & without on-site ICT

Specialized communication methods

Quite heavily regulated

More “colleagues” onboard than at the office

Lots of proprietary or specialized software

(usually) Financial flexibility

Team

- ✓ Priorities
- ✓ Work distribution & sharing
- ✓ Streamline
- ✓ Benchmark

Office vs.
Vessels

Remote
work & on-
premises

- ✓ Work from everywhere
- ✓ Laptops vs. PCs
- ✓ Communication
- ✓ Flexibility & mobility

- ✓ Trust
- ✓ Confidence
- ✓ Enabler
- ✓ Training

Department
“image”

Outsourcing
vs.
insourcing

- ✓ Workloads
- ✓ Cost
- ✓ Experience
- ✓ Importance

Technology



Backup/ Restore

- ☐ *The A and Z*
- ☐ *Quick & easy*
- ☐ *Remote*



(Cyber) Security

- ☐ *Physical*
- ☐ *Logical*
- ☐ *Proactive*
- ☐ *Reactive*
- ☐ *Open*



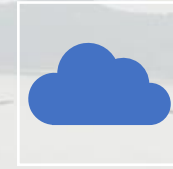
Comms

- ☐ *Commodity*
- ☐ *Lean*
- ☐ *Collaboration*
- ☐ *Remote audits, messaging, support*



Virtualization

- ☐ *Savings in money, electricity, space, administration*
- ☐ *Quick deployment*
- ☐ *Fail-safe*



Cloud

- ☐ *Move it*
- ☐ *Save time & stress*



Reporting

- ☐ *Value of data*
- ☐ *Mngmt visibility*
- ☐ *Decisions*

etc. etc...

Compliance



Cyber Security

- Cyber Risk Management
- Audits
- Vettings



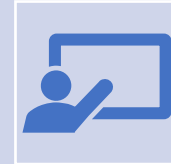
Regulatory requirements

- Ensure compliance
- More coming up



GDPR, TMSA, BIMCO/IMO etc.

- Acronyms which equal quite a lot of work



Training

- Train office & crew
- Raise awareness
- Prove the above

Next steps (some of them...)



Reporting, data analysis and even more reporting



AI, Big data, blockchain



Augmented reality, automation



Autonomous shipping???



Software, software, software / interfaces / communication



Thank You