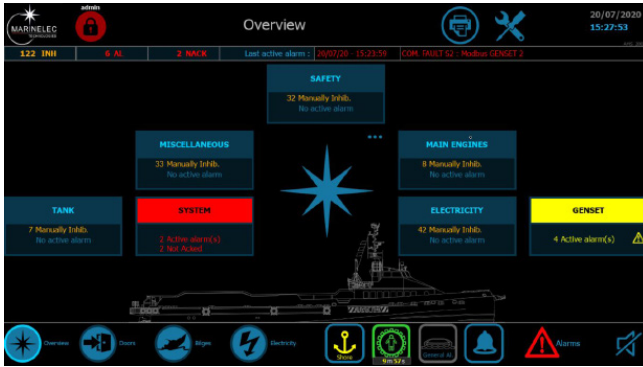# M.TASK
Alarm and monitoring system

PRESENTATION

M.TASK is the powerful Marinelec Integrated Alarm, Control & Monitoring System.

Our solution has been developed to meet the shipowners new challenges:

▶ Scalable modular system

▶ Reliable & secure access

▶ Modern & intuitive interface

▶ Analysis assistance

▶ Customizable (functions, mimic, language)

FUNCTIONAL CHARACTERISTICS

Main functions

▶ Alarm monitoring (bilge, doors, engine, etc...)

▶ Tank level measurement

▶ Remote control (lighting, pumps, valves, fans, etc...)

▶ Engine watch alarm management

▶ Duty officer alarm management

Marinelec integrated functions

▶ Navigation light control

▶ Fire detection monitoring

▶ Emergency order telegraph

Advanced functions

▶ Analytic Econometer «Ecomer»

▶ Conning

▶ Battery management system

▶ Power management system

▶ Video management

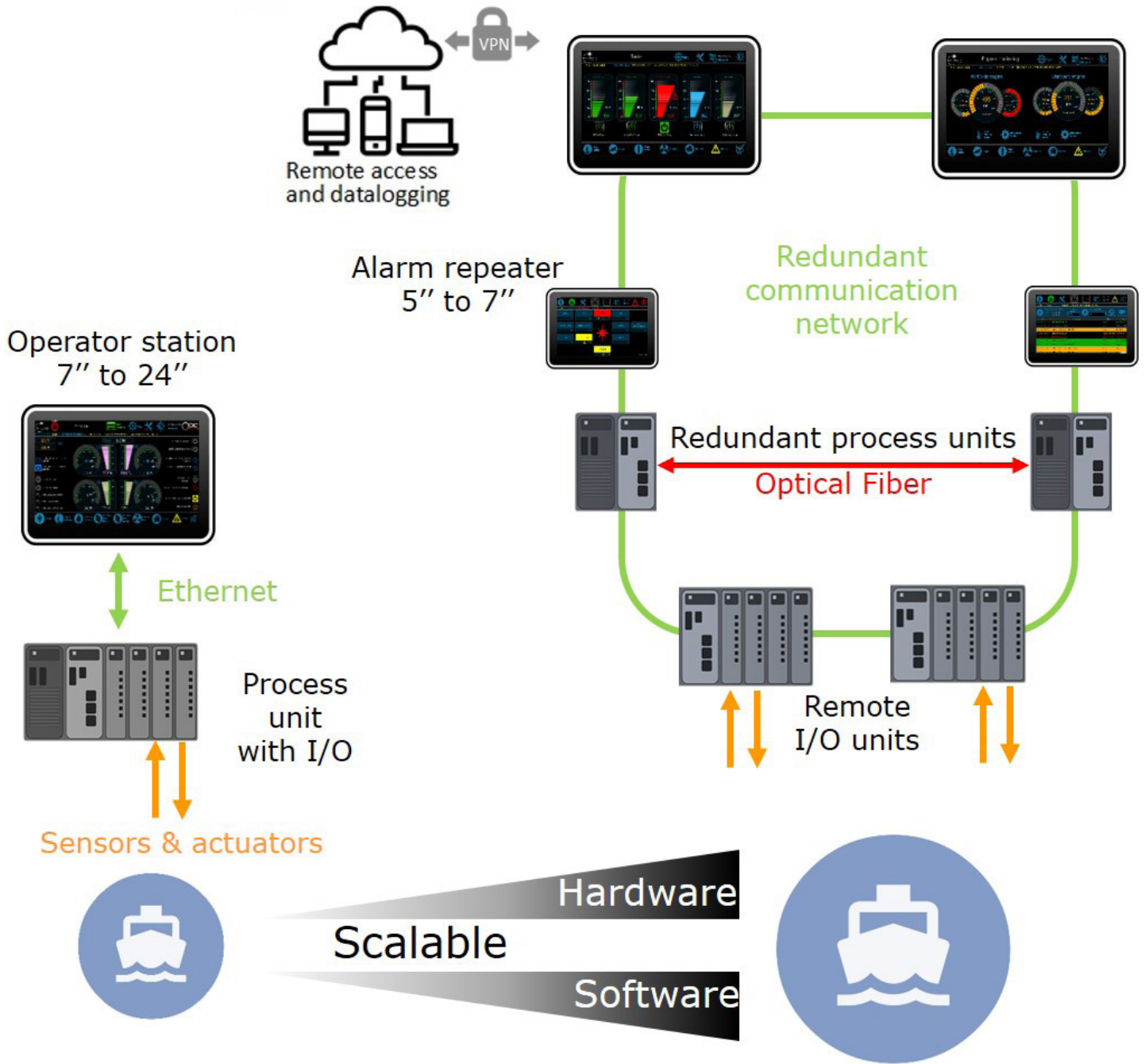### Marinelec tools

▶ Curves

▶ Hour counters

▶ Alarm & page printing

▶ Data selection for VDR

▶ Remote alarm transmitter (sms/email)

Shore connectivity

▶ Web viewer

▶ Secure remote support

▶ Data shore analysis «Ecomer TC»

I/O interface

▶ Digital inputs & outputs

▶ Analog inputs (0/10V, -/+10V, 0/20mA, 4/20mA, PT100/1000, thermocouple)

▶ Analog outputs (0/10 V, -/+10V, 0/20mA, 4/20mA)

Gateways

A large range of industrial communication protocols to interface with embedded systems:

▶ Navigation network over NMEA0183 or NMEA2000

▶ Engines over J1939

▶ Power management system over Modbus RTU or Modbus TCP

▶ Battery management system over CANopen

▶ ETC...

APPROVALS

▶ Meets all maritime standards

MARINELEC TECHNOLOGIES

Remote access and datalogging

Alarm repeater 5" to 7"

Redundant communication network

Operator station 7" to 24"

Redundant process units

Optical Fiber

Ethernet

Process unit with I/O

Remote I/O units

Sensors & actuators

Hardware

Scalable

Software

M.TASK SOFTWARE REFERENCES

▸ M.TASK_LICENCE_100IO
▸ M.TASK_LICENCE_200IO
▸ M.TASK_LICENCE_400IO

▸ M.TASK_LICENCE_600IO
▸ M.TASK_LICENCE_800IO
▸ M.TASK_LICENCE_1000IO
▸ M.TASK_LICENCE_1500IO

▸ M.TASK_LICENCE_2000IO
▸ M.TASK_LICENCE_2500IO
▸ M.TASK_LICENCE_4000IO

MARINELEC TECHNOLOGIES

sail safely