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## FT NavVision™

### Engine Viewers

FT NavVision™ is a modular, integral software solution for the maritime industry. It replaces all instrumentation, switchboards and alarm panels, and allows computer control and monitoring of all data and equipment such as engines, generators, pumps, refrigeration and hydraulic systems, the list is endless. It is possible to use each module as a stand-alone or in combination with other modules.

**FT NavVision™ Engine** gives “real-time” information about engines, generators, tanks and other ship’s equipment.

### Viewers

The user interfaces, for one or for two engines, are different. As well, it is possible to have the option of a complete switchboard with the Single Engine viewer.



Engine data may be shown on the standard Single or Dual Engine Viewers. Custom views like the RPM Viewer and Analogue may be added.

The Single Engine Viewer (for one engine and one generator), shows seven analogue and two digital instruments and four indicators, while the Dual Engine Viewer (for two engines and two generators), shows six analogue and two digital instruments and twelve indicators.

### Available data

Engine manufacturers have different ideas about the quantity and format of engine data required. As a result the program has the capabilities of showing more than forty engine parameters and almost fifty generator parameters.

### Communication

To receive and send data FT NavVision™ will use up to 16 COM Ports, as well as Ethernet and USB.

The following protocols are supported:

- NMEA
- SAE - J1587/J1708
- Cat-Link
- Can-bus
- 485-bus
- nke-bus
- Advantech I/O
- WAGO I/O
- Mod bus

### Alarms

For all available instruments it is possible to set up minimum and maximum alarms. General and personal alarms may be set up independently.

Further the program has the possibility of an independent shut down alarm, allowing engines, generators or other ship’s equipment to be shut down automatically.

### Logbook

All alarms, on and off switch occurrences and abnormal situations will be recorded in a logbook viewable from within the program. This logbook records the program history from the moment of installation.

### Standard

The Engine Viewers will be delivered with a standard layout. It is possible for each user to adapt set ups and instruments to their own wishes, just by pushing one button. Custom configurations will be saved. Passwords may be used to protect the layouts.

### Instruments

Instruments may be configured, at the push of a button, to Analogue, Digital and Graphical views.