

On-Ship Monitoring

Sizing and Configuration Questionnaire



Shipyard/Country :	Type of vessel :
Build number(s) :	Number of ships :
Ship's name(s) :	Owner :
Classification :	Refit Y/N :

Alarm, Monitoring and Control System.

FOR ALARM AND MONITORING:

As in main engine, generators, cargo tank, bilge, ballast tank etc.

Number of Analog Alarm points (mA interface)	.....
Number of Analog Alarm points (Volts interface)	.....
Number of Analog Alarm points (PT100 interface)	.....
Number of Analog Alarm points (TC interface)	.....
Number of Analog Alarm points (other / specify)	.....
Number of Digital Alarm points (Contacts, Switches etc.)	.....
Number of Analog Alarm outputs	.....
Number of Digital Alarm outputs	.....

FOR CONTROL:

Number of remote controlled "Digital on/off " Pumps	.....
Number of remote controlled "Stand-by" Pumps (per group of 2 or 3)	.....
Number of remote controlled "Digital on/off " Valves	.....
Number of remote controlled "Analog proportional " Pumps	.....
Number of remote controlled "Analog" proportional Valves	.....
Number of remote controlled "Digital on/off " Fans	.....

*If the number of I/O points **for control** purposes is known, please fill in below:*

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- Number of **Analog Inputs** (mA interface)
- Number of **Analog Inputs** (Volts interface)
- Number of **Analog Inputs** (PT100 interface)
- Number of **Analog Inputs** (TC interface)
- Number of **Analog Inputs** (other / specify)
- Number of **Digital Inputs** (Contacts, Switches etc.)
- Number of **Analog Outputs**
- Number of **Digital Outputs**

Serial link interfaces

As in main engine, generator sets, fire alarm system, tank sensors VDR etc.

- Serial link interface no.1 to Protocol: Number of channels:
- Serial link interface no.2 to Protocol: Number of channels:
- Serial link interface no.3 to Protocol: Number of channels:
- Serial link interface no.4 to Protocol: Number of channels:
- Serial link interface no.5 to Protocol: Number of channels:
- Serial link interface no.6 to Protocol: Number of channels:

Note that Modbus and NMEA are standards, other protocols are optional.

Tank gauging system

- Number of **Tanks** (Ballast/Bilge/Cargo) requiring automatic tank level gauging. : No.
- Including Trim/List correction (Yes/No)

System Software

- Data Acquisition (**Yes** – included as standard to the system)
- Computation/Analysis Intelligence (Yes/No):
- Interface with Data Comm to On-Shore H/Q (Yes/No):

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Operator Work Stations

Number of Operator **Work Stations**:

Location 1:	TFT size: ”
Location 2:	TFT size: ”
Location 3:	TFT size: ”
Location 4:	TFT size: ”
Location 5:	TFT size: ”
Location 6:	TFT size: ”

Number of Alarm/Log **Printers** required:

Number of **Monitoring Mimics**:

Number of **Control Mimics**:

Engineer Calling System / Extension Alarm System

Number of Extension **Alarm Panels** required for:

- Bridge :
- ECR :
- Accommodation :

Dead Man Alarm System

Number of **Watch Entrance** Units

Number of **Timer Reset** Units

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Generator / Electrical Power-plant Automation System

Number of **Diesel** driven generators requiring PMS

Number of **Shaft** driven generators requiring PMS

Number of **Bus tie breakers** requiring remote control by PMS

Compressors and Fans

Number of **Compressor** Units

Number of **Fan** Units

Uninterrupted Power Supply

An uninterrupted power supply required (Yes/No)