Wheelhouse

Cargo Control Room

Accommodation

IAS
I/O station
BCC

Graphic Workstation 3

IMCS
process
server

- Panel PC 24”

Chief Engineer
XAPX_03
- Panel PC 12”

2nd Engineer
XAPX_04
- Panel PC 12”

Electrical Engineer
XAPX_05
- Panel PC 10”

Crew Messroom
XAPX_06
- Panel PC 12”

Other public rooms
XAP

Engine Control Room

XAR

Extension Alarm
Distribution

Remote
Communication
Gateway

Alarm, Event
Printer / print
to pdf, csv

- Visualization Client 27”

- Visualization Client 27”

screenshot
Printer, print
to pdf, csv

Redundant process control LAN
(100 BaseT Ethernet)

Extension Alarm System Bus

IMCS
process
server

Graphic Workstation 1

Graphic Workstation 2

IMCS
process
server

Communication interfaces
to third party systems
Like PMS, LGS, VRCS etc.

to VDR

to Light signal devices

to paging system etc.

Engine Room

IAS
I/O station
#1 PS

IAS
I/O station
#2 PS

Remote controlled PS
Pumps,Valves, fans, compressors

IAS
I/O station
#3 PS

Machinery AMS
I/O station
PS

Machinery alarm & monitoring

- Panel PC 15”

GO Manifold

Machinery AMS
I/O station STB

IAS
I/O station
#3 SB

IAS
I/O station
#2 SB

Remote controlled SB
Pumps,valves, fans, compressors

IAS
I/O station
#1 SB

ROCKSON AUTOMATION

IMCS Blockdiagram

EVOLUTION V5
Integrated Alarm Monitoring & Control System

Document: 2.1_IMCS_blockdiagram_example_20241022.odg