

# EVOLUTION IAS

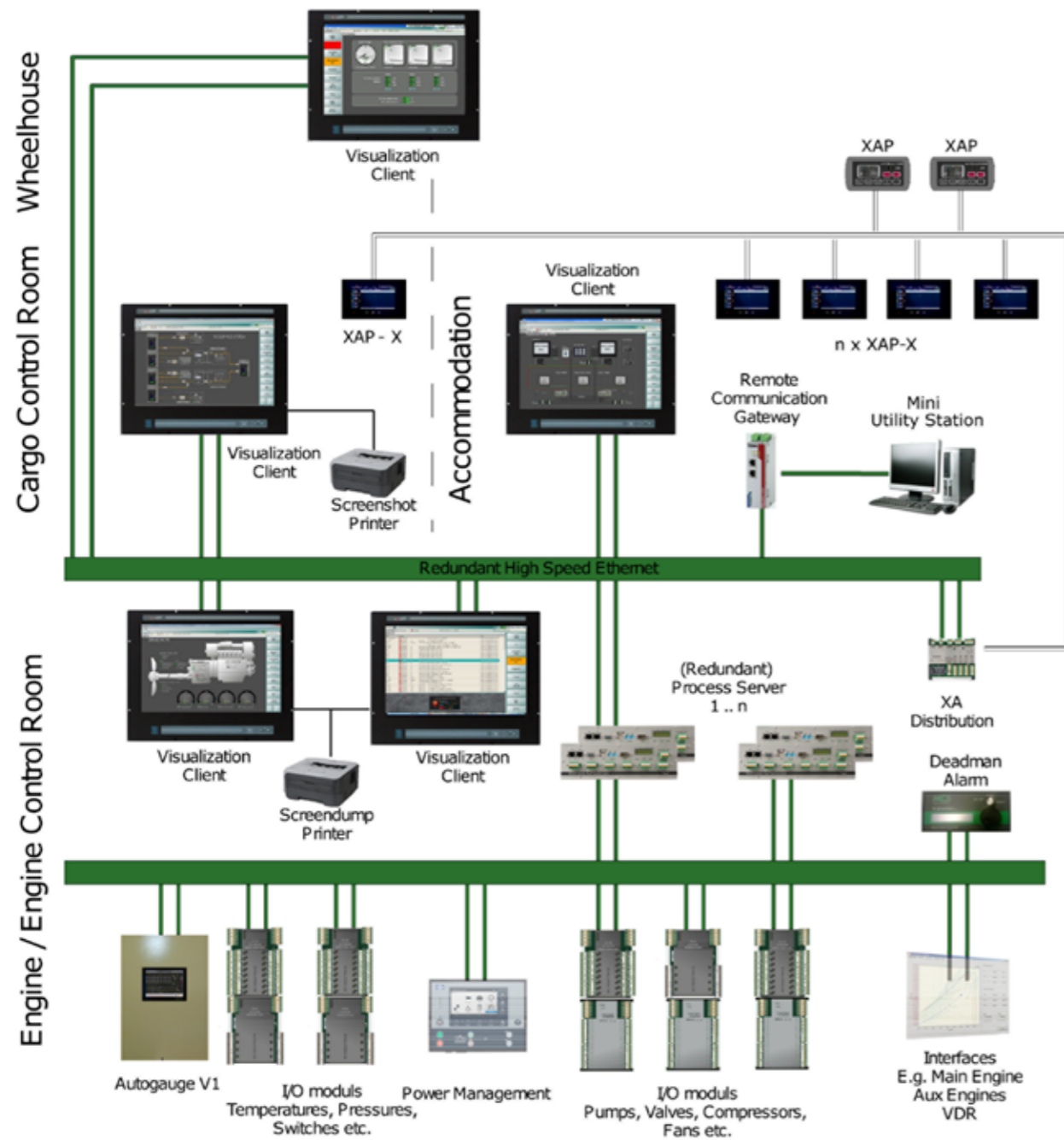
INTEGRATED AUTOMATION SYSTEM FOR THE FUTURE!



ON DUTY FOR THE CHIEF ENGINEER

**MCS** marine  
control services

## SYSTEM CONFIGURATION



### STANDARD FEATURES

- Standardized alarm visualization with
- List of all active alarms with time stamp
  - List of unacknowledged alarms with time stamp
  - List of suppressed alarm
  - List of disabled alarms
  - Alarm/event indication
  - Trend and historical data
  - MP selection with detailed parameter facilities



### MIMICS - CUSTOMIZED PROCESS MIMICS

- Customized piping diagrams
- Customized realistic gauge panels
- Clear process data indication and control
- Based on scalable vector graphic technology
- Automatically adapting to different monitor sizes and format
- User definable zoom factor for each workstation



### HARDWARE - STANDARD

- 35mm DIN Rail modules with rugged stainless steel cover
- Galvanic isolated I/O design
- Integrated earth-fault monitoring on I/O
- Fanless process server with redundant solid state disk
- Compact XAS system



### APPLICATIONS

- Basic monitoring functions
- Exhaust gas mean value supervision
- Historical reports and alarm statistics
- Level gauging, volume calculation, trim correction
- Standby pump control
- Valve control
- Automatic functions
  - Bilge
  - Ballast transfer & exchange
  - Fuel transfer and filling
  - Auto heeling
- FO consumption and performance monitoring
- Liquid cargo management
- Power Management
- Interfaces
- Deck light control





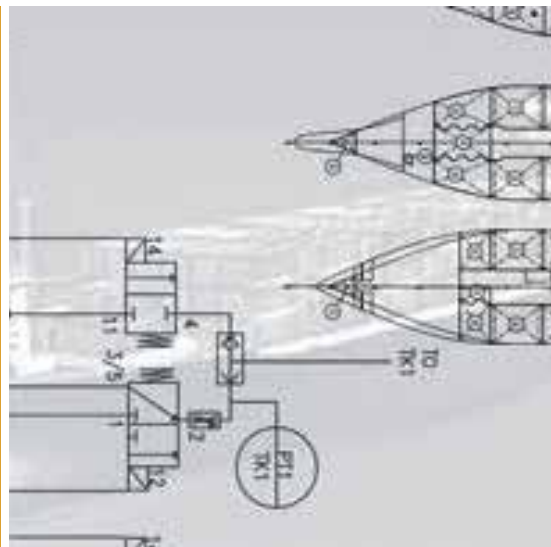


### Life cycle support

In MCS we give our commitment to serve our deliveries through the entire lifetime of the customers assets. With delivery of Vista Automation from 2003 followed by Evolution V5 from 2011 our reference list counts several hundred systems. Our service offering covers spare part deliveries, technical support & troubleshooting, system updates and retrofit. With our well proven Remote Assistance solution, system check and modifications are done in the most economical way and without any delay.

### Components for integration

- Dead Man System
- GSM Alert System
- Emergency Telegraph System
- Signal Light Column
- AutoGauge V1 Level Gauging
- Mobile phone Access
- CCTV Integration
- Pocket Paging
- Navigation Light Controllers
- Energy management System
- Power management System



# ON DUTY FOR THE CHIEF ENGINEER