

OASIS

Operationally Advanced Super Integrated System

JRCS CORPORATION

Tomorrow's Technology Today



OASIS

Operationally Advanced Super Integrated System

System Compatibility with High Specification Vessels

- A full complement of monitoring functions
- Enhanced summary & history functions
- A wide variety of trend functions
- User-friendly operation
- Extensive control functions
- Interface Integration Platform (IIP) provides comprehensive single point control

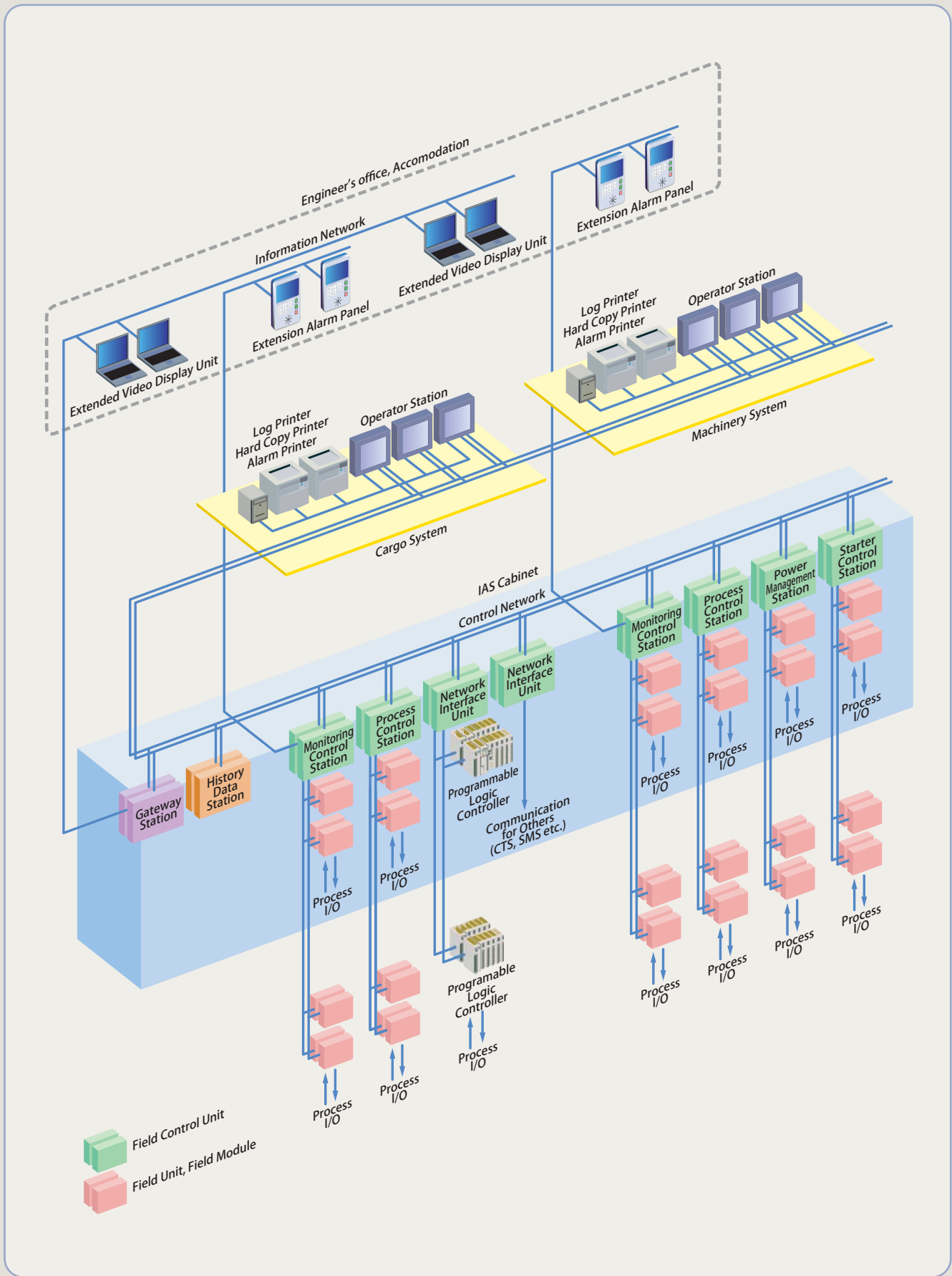
System with Open Concept, Adaptability, Zero-obsolence

- Design Infrastructure adaptable for future requirements
- System construction from high speed & high performance hardware
- Complete distribution & security enhancement
- Introduction of general-purpose products available for peripheral equipment

System Reliability with Assured Through Life Support & International Service Network

- Excellent support system as experienced marine manufacturer
- Established product supply policy
- Solution Support

System Configuration



Display Examples

User-friendly Operation

- No need to memorize tag number when switching the related MIMC screen
- Simple display configuration (Free display, Trend display, Favorite display)
- Help function with useful operation data base stored in the system (The past alarm record is saved/reflected on help function.)
- Visualized system diagnosis display

Enhanced summary & history functions

- Group search function, group print function
- Event summary, event history
- Message summary, message history
- Sensor abnormal summary, sensor abnormal history
- Repose summary, repose history
- Operator action history

A wide range of trend functions

- Extension/reduction of measuring range and time span
- Simple operation of assigning trend pens
- Hair line cursor
- Saving of long-term trend data

Over View



Event Log

NO.	CH No.	AREA	NAME	OCCURRENCE TIME	STATUS	EVENT TYPE
881	1	FE234	FE234 #1 CTR #1 CARGO PUMP AUTO SEQUENCE	2015/03/09 15:44:22	OK	MESSAGE
882	1	FE234	FE234 #1 L/O COMP L/O COMP 10.0	2015/03/09 15:44:22	OK	ALARM/ACK
883	1	FE234	FE234 #1 L/O COMP L/O COMP 10.0	2015/03/09 15:44:22	OK	ALARM/ACK
884	1	FE234	FE234 #1 L/O COMP L/O COMP 10.0	2015/03/09 15:44:22	OK	ALARM/ACK
885	1	FE234	FE234 #1 L/O COMP L/O COMP 10.0	2015/03/09 15:44:22	OK	ALARM/ACK
886	1	FE234	FE234 #1 L/O COMP L/O COMP 10.0	2015/03/09 15:44:22	OK	ALARM/ACK
887	1	FE234	FE234 #1 L/O COMP L/O COMP 10.0	2015/03/09 15:44:22	OK	ALARM/ACK
888	1	FE234	FE234 #1 L/O COMP L/O COMP 10.0	2015/03/09 15:44:22	OK	ALARM/ACK

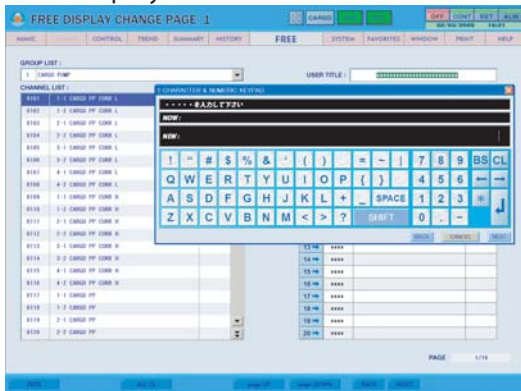
Channel Call



Auto Alarm → Channel Data



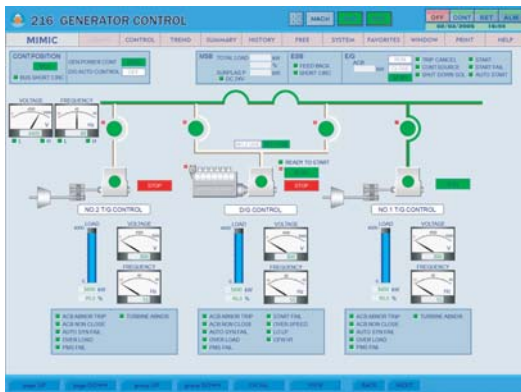
Free Display



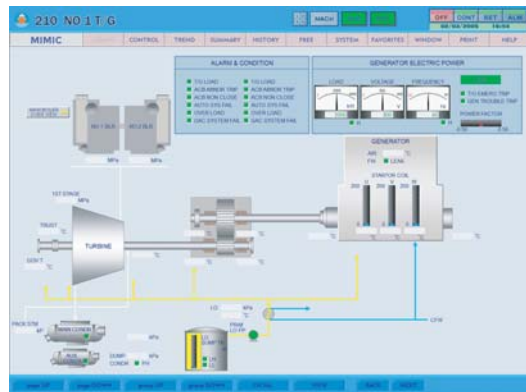
L/D Control



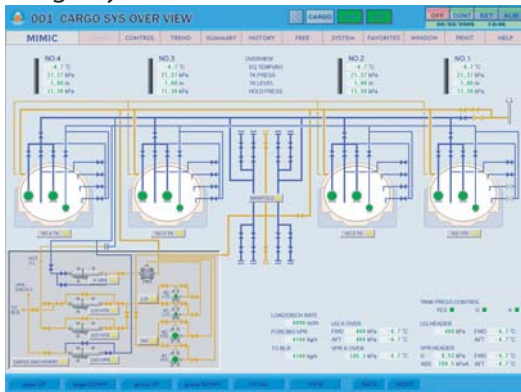
Generator Control



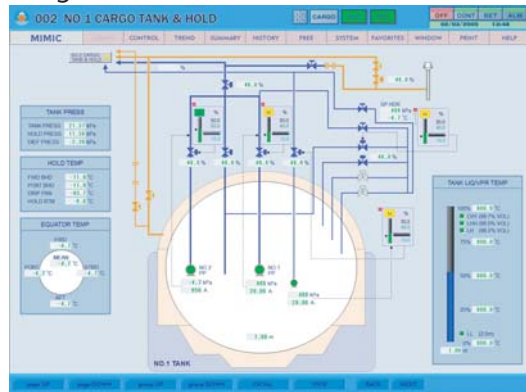
Mimic of T/G



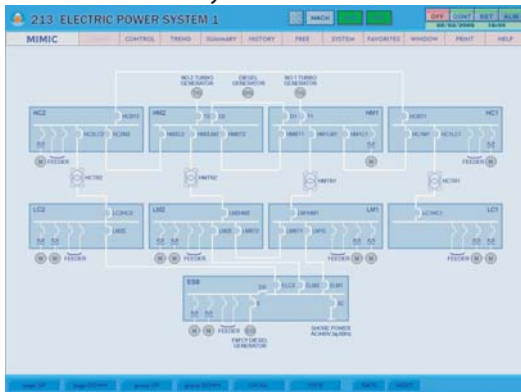
Cargo System



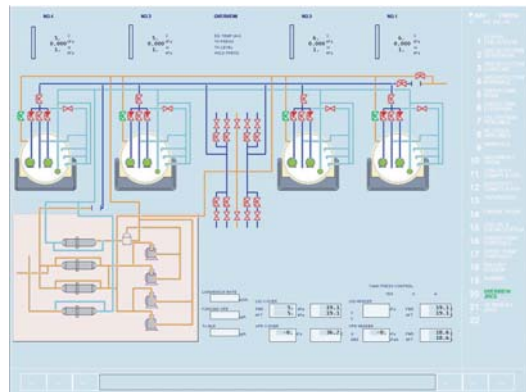
Cargo Tank & Hold



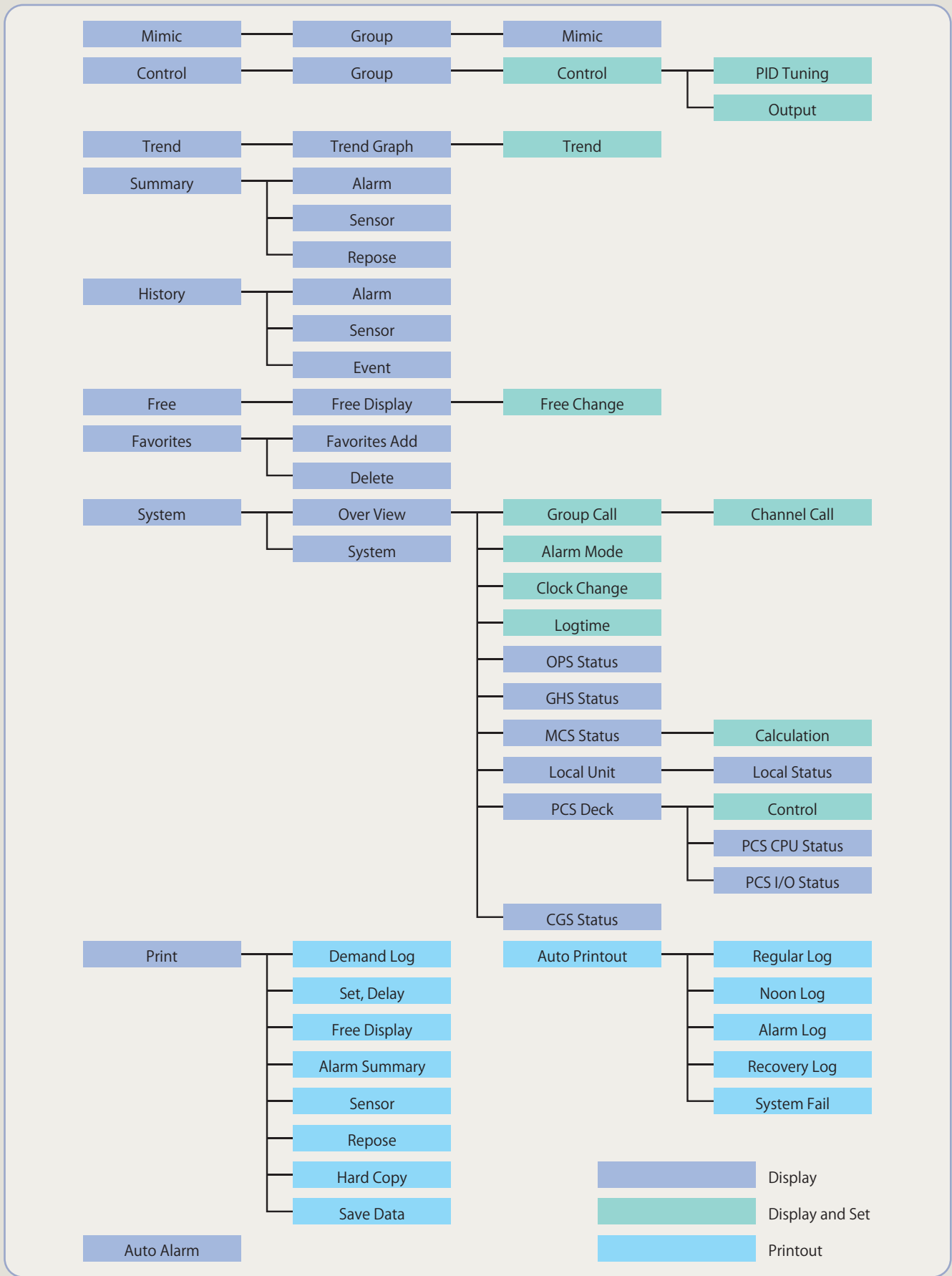
Electric Power System



On Board Simulator



Display / Printout System Chart



Specifications

Network	High speed dual backbone network (Ethernet)
Total System Point	64,000 points
Connection Node	40 nodes
Redundancy	Control Station, I/O Module, Network
Interface Option	Power Management System, Starter Control System, Boiler, Turbine, Navigation Data etc. by Ethernet, Serial Communication
Training Software Option	Integrated

Control Sample	
Cargo	<ul style="list-style-type: none"> Vapour Header Pressure Control (DUMP Mode) Vapour Header Pressure Control (VENT Mode) Cargo Pump Load Control Strip / Spray Line Header Pressure Control Forcing Vaporizer Flow and Temperature Control LNG Vaporizer Flow and Temperature Control Gas Heater Temperature Control High Duty Compressor Control Insulation Space Pressure Control, N2 Supply Pressure Control Insulation Space Pressure Control, N2 Discharge Pressure Control Cofferdam and Liquid Dome Temperature Control Steam Heater Outlet Temperature Control Electric Heater Control Auto Ballast Exchange System Ballast Tank Level Control Auto Ballast Exchange System Engine Room Ballast System Fire & G. S. Pump Control Aux. C F W & C S W Pump Stand-by Control Cargo Pump Load Control Sequence Spray Pump Load Control and Spray Header Pressure Control Sequence Discharging Control Sequence
Machinery	<ul style="list-style-type: none"> Steam Pressure Control Main Turbine IP (Intermediate Pressure) Bleed and Exhaust Pressure Control HP Bleed and General Service Steam Pressure Control Main Turbine Lubrication Oil Pressure Control Main Feed Water Pump Discharge Pressure Control Boiler Fuel Oil Temperature / Viscosity Control Main Turbine Lube Oil Temperature Control Steam Dump External De-Superheater Temperature Control Central Cooling Fresh Water Temperature Control Heavy Fuel Oil Deep Tank Temperature Control General Service Steam Temperature Control Diesel Generator Engine FW Cooling Temperature Control Main Condenser Level Control Deaerator Level Control Ion Exchanger By-pass Valve Control Feed Water Drain Tank Level Control LP Feed Water Heater Level Control



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