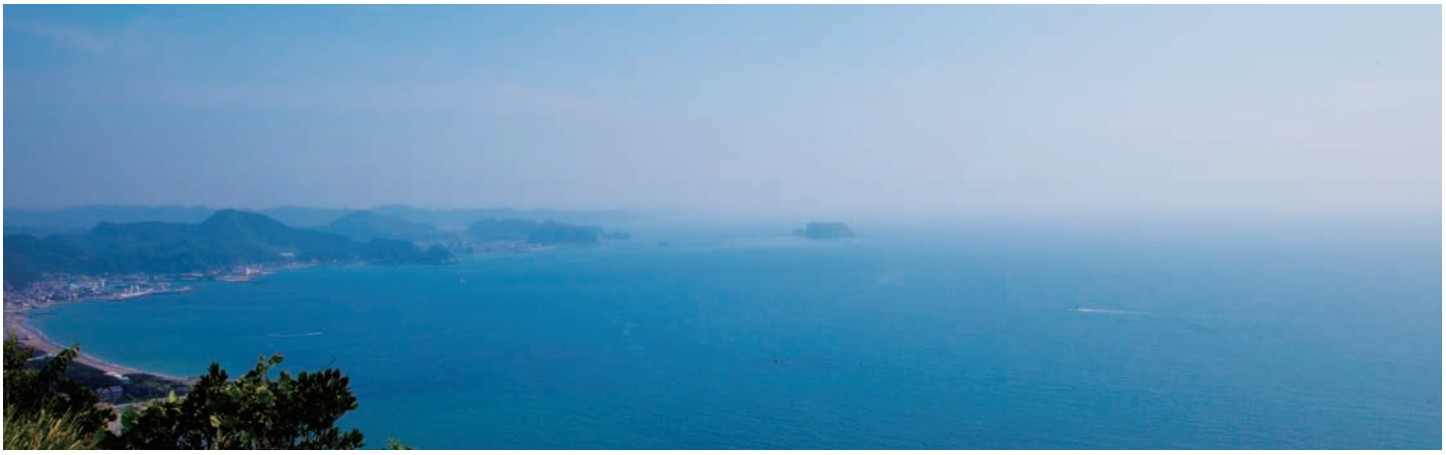
SMS-55
Alarm Monitoring & Control System



www.jrcs.co.jp

SMS-55

Alarm Monitoring & Control System

SMS-55 responds to your concerns about the safe and efficient operation of your vessels

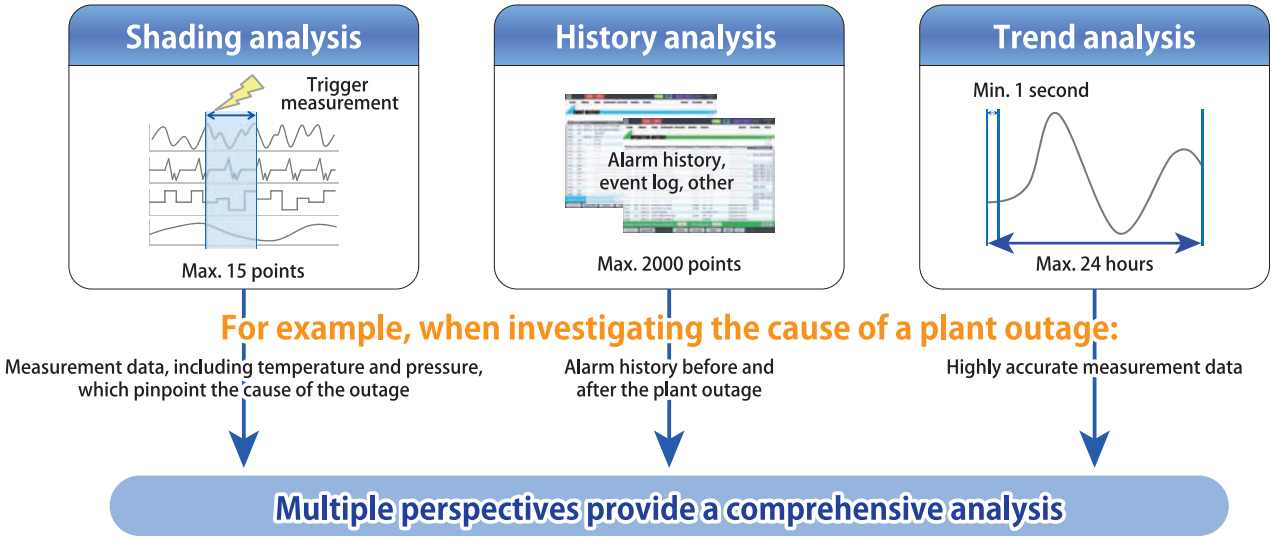
Concern How can we visualize the best way to reduce costs, improve fuel efficiency, and comply with environmental regulations?

Solution

Analyze the data from multiple perspectives and make it easier to understand

Diverse analysis functions

SMS-55's diverse set of data collection, measurement and analysis functions enables the use of multiple perspectives to provide a comprehensive analysis of any problem from the moment it occurs.



User-friendly functions

SMS-55 includes a USB port as a standard data output device.
Data can be saved to a USB memory stick to be viewed on a personal computer or sent by email.

SMS-55

Alarm Monitoring & Control System

by utilizing JRCS's extensive knowledge of LNG vessels and superior technical skills.

Concern **How can we achieve a fixed level of standards for crew operations?**

Solution

Reduce human error through intuitive operation and simple maintenance

Intuitive operation

Touch operation via LCD displays provides direct control.
*In 1994, JRCS became the first company in the world to apply operation via LCD touch panel to marine systems.

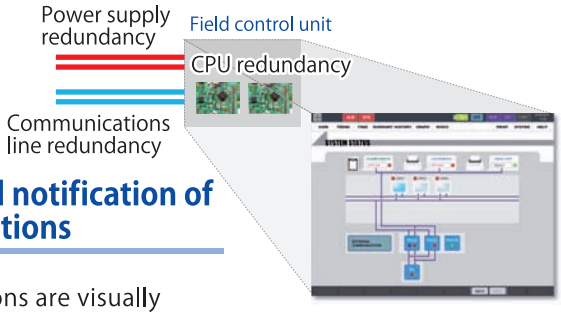
Automatic maintenance notifications

An alarm notifies users about impending maintenance periods for plants and equipment.

Concern **How can we find speedy and reliable solutions? How can we prepare for emergencies?**

Solution

Ensure reliability through redundancy of critical systems and prompt solutions to problems



Detailed notification of malfunctions

Malfunctions are visually illustrated and detailed information is displayed.

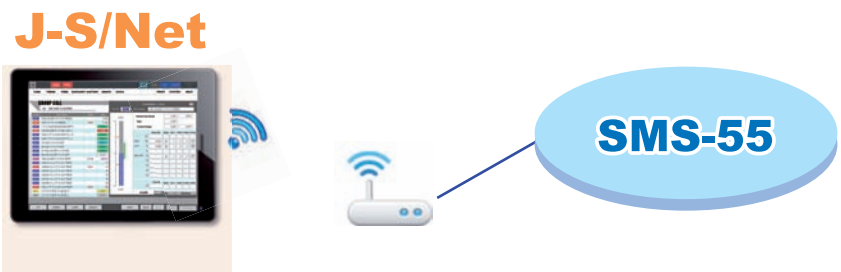
Analysis of errors and malfunctions

The cause of the trouble can be determined by analyzing the relationship between an error or malfunction and system operations.

Optional features

Tablet compatibility

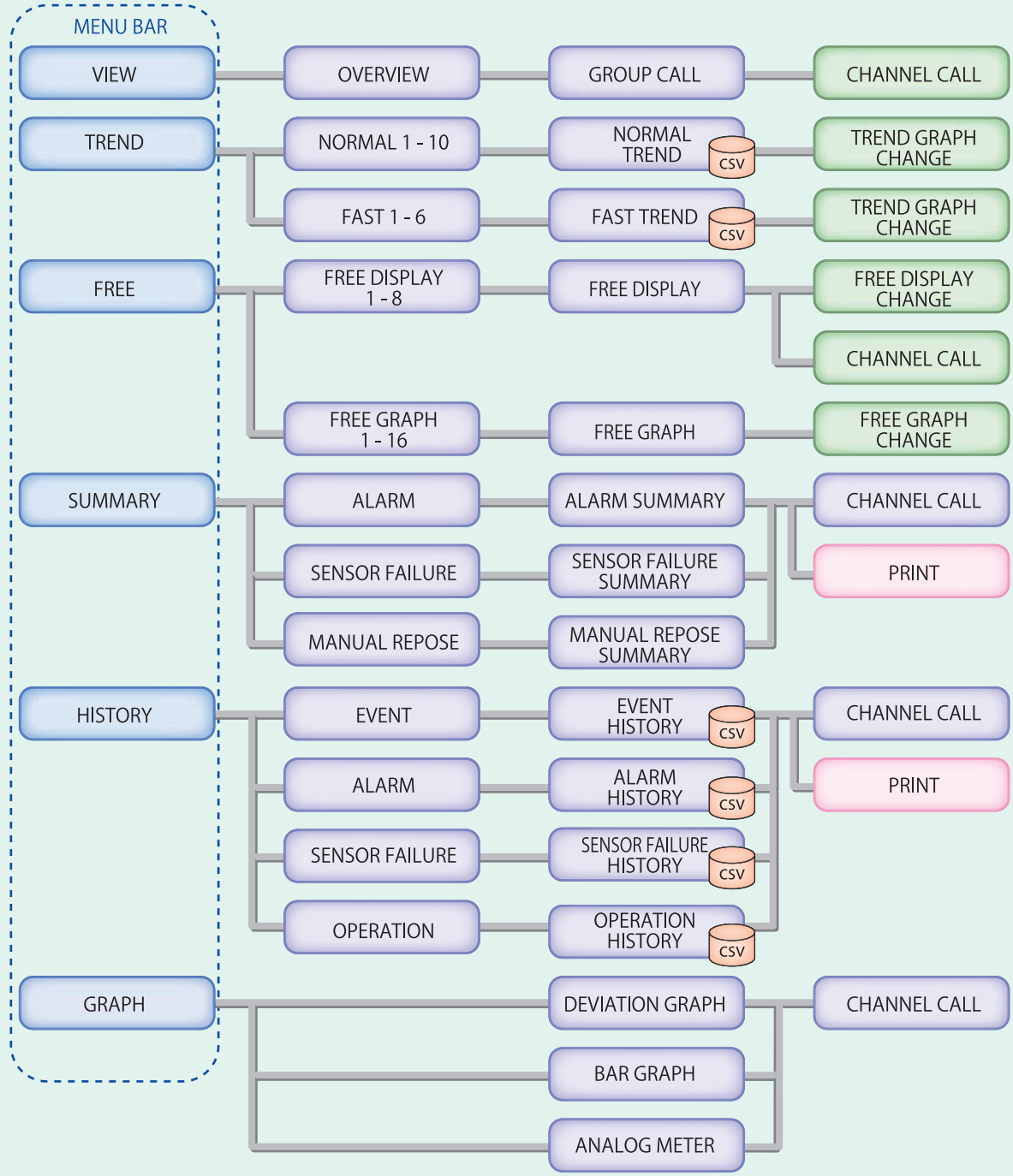
AMS screens can be viewed using a tablet that is linked with JRCS's J-S/Net wireless LAN system.



SMS-55

Alarm Monitoring & Control System

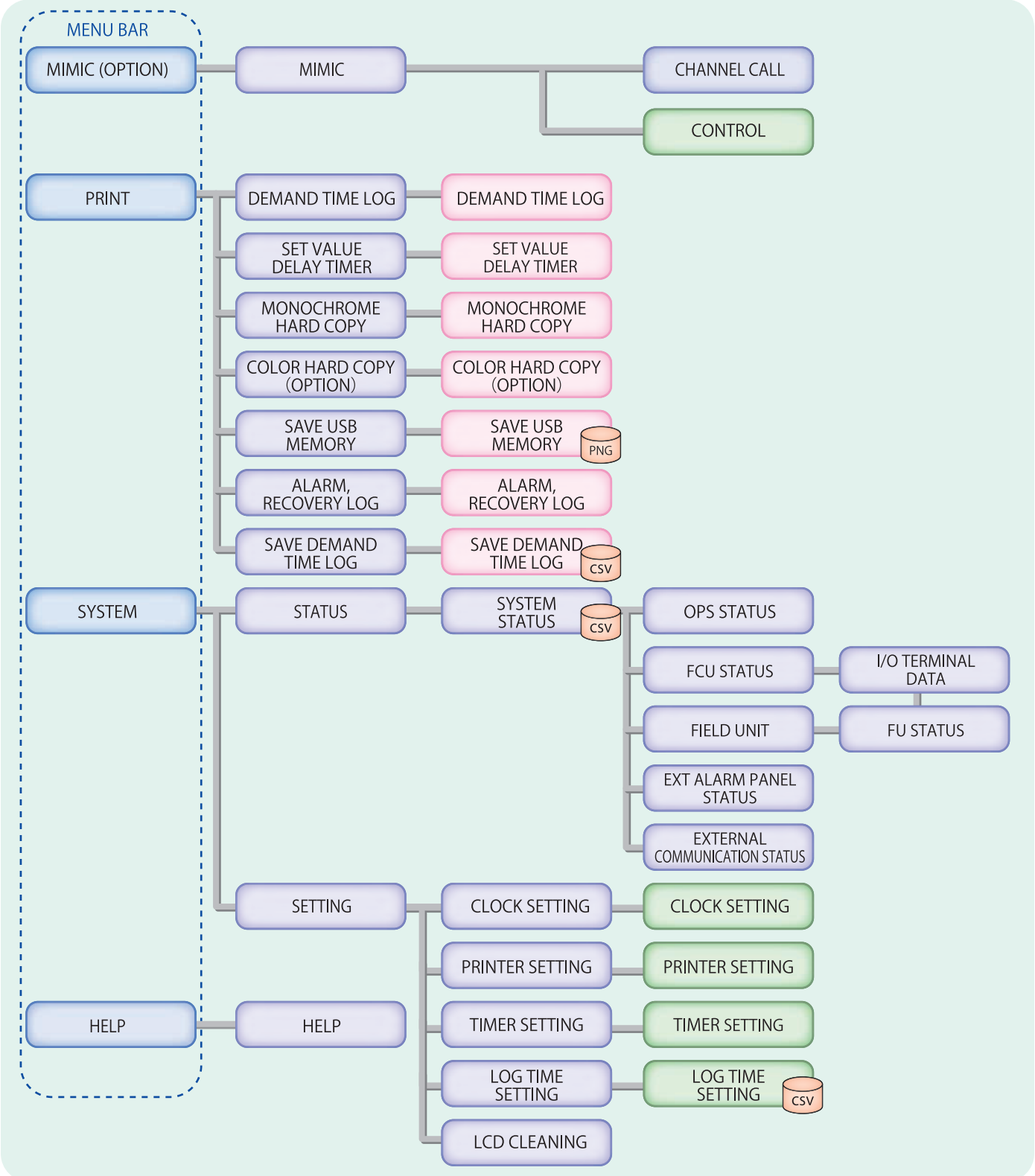
Display System Chart (1)



SMS-55

Alarm Monitoring & Control System

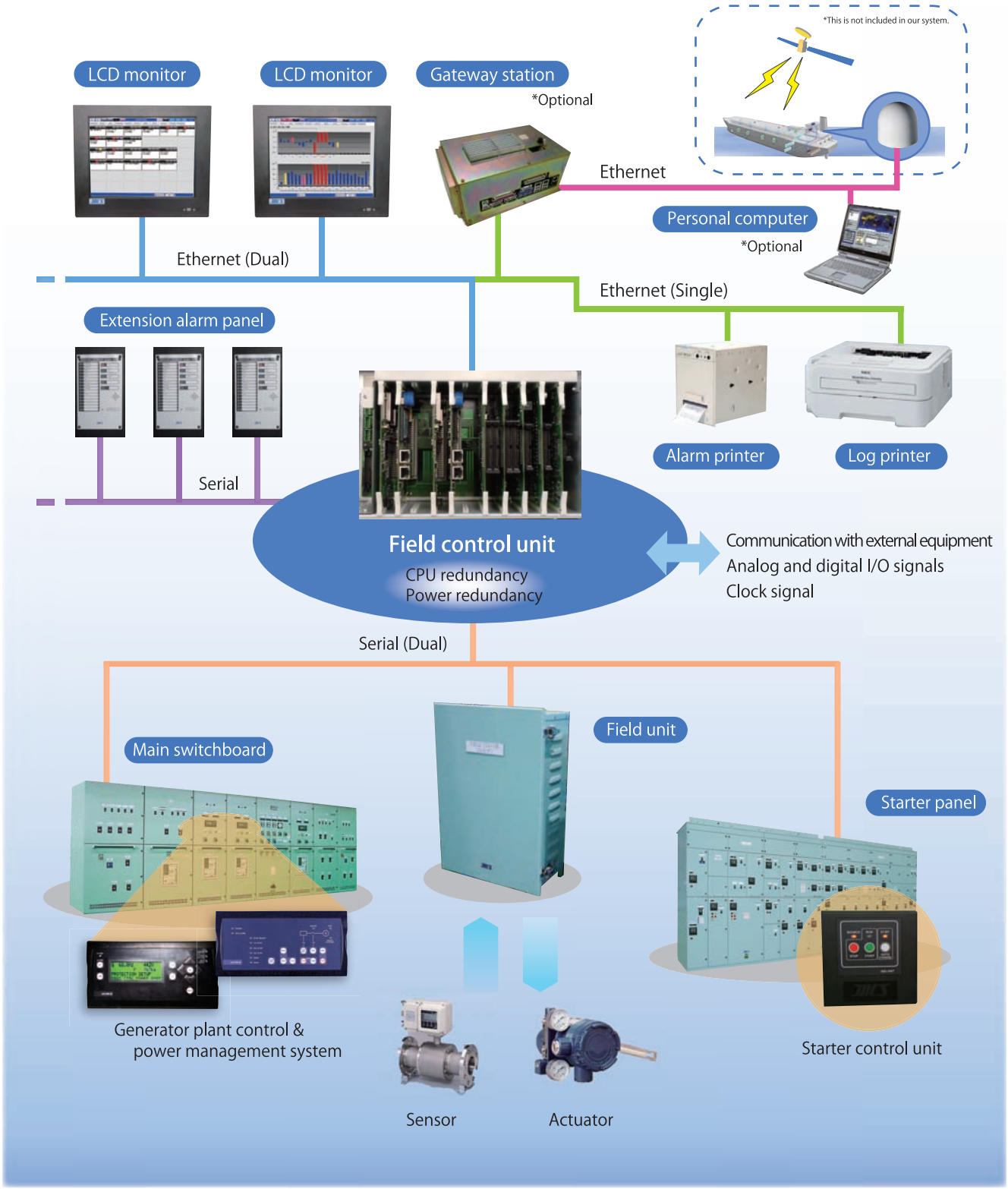
Display System Chart (2)



SMS-55

Alarm Monitoring & Control System

System Configuration



SMS-55

Alarm Monitoring & Control System

Specifications

Item	Specifications
LCD monitor	15-inch color LCD (standard) 19-inch color LCD (standard) Touch panel Input device: Trackball (optional) Keyboard (optional) Maximum connected devices: 10
Total I/O points	Max. 3,000 points including analog and digital
Type of input	Analog Temperature (resistance bulb) Pt100 Ω, 2 wires / 3 wires Temperature (thermocouple) K type Current DC4-20 mA Voltage DC1-5 V Digital Dry-contact DC24 V, 10 mA Pulse (ON 100 msec / OFF 100 msec or more) DC24 V, 10 mA
Type of output	Analog Current DC4-20 mA, load impedance max. 500 Ω Digital Relay (contact) output DC24 V, 0.5 A / AC125 V, 0.2 A / AC220 V, 0.5 A Transistor output DC24 V, 0.2 A
Communication ports	Serial communications RS-422 4 ports (standard) Extension 5 ports (optional) Ethernet communication 2 ports (optional)
Field unit	Maximum connected devices: 20
Extension alarm panel	Maximum connected devices: 20 LED type (standard), LCD type (optional)
Printers	Log printer (monochrome laser) Alarm printer (dot matrix) Hard copy printer (color laser, optional)

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