VRCS 1000
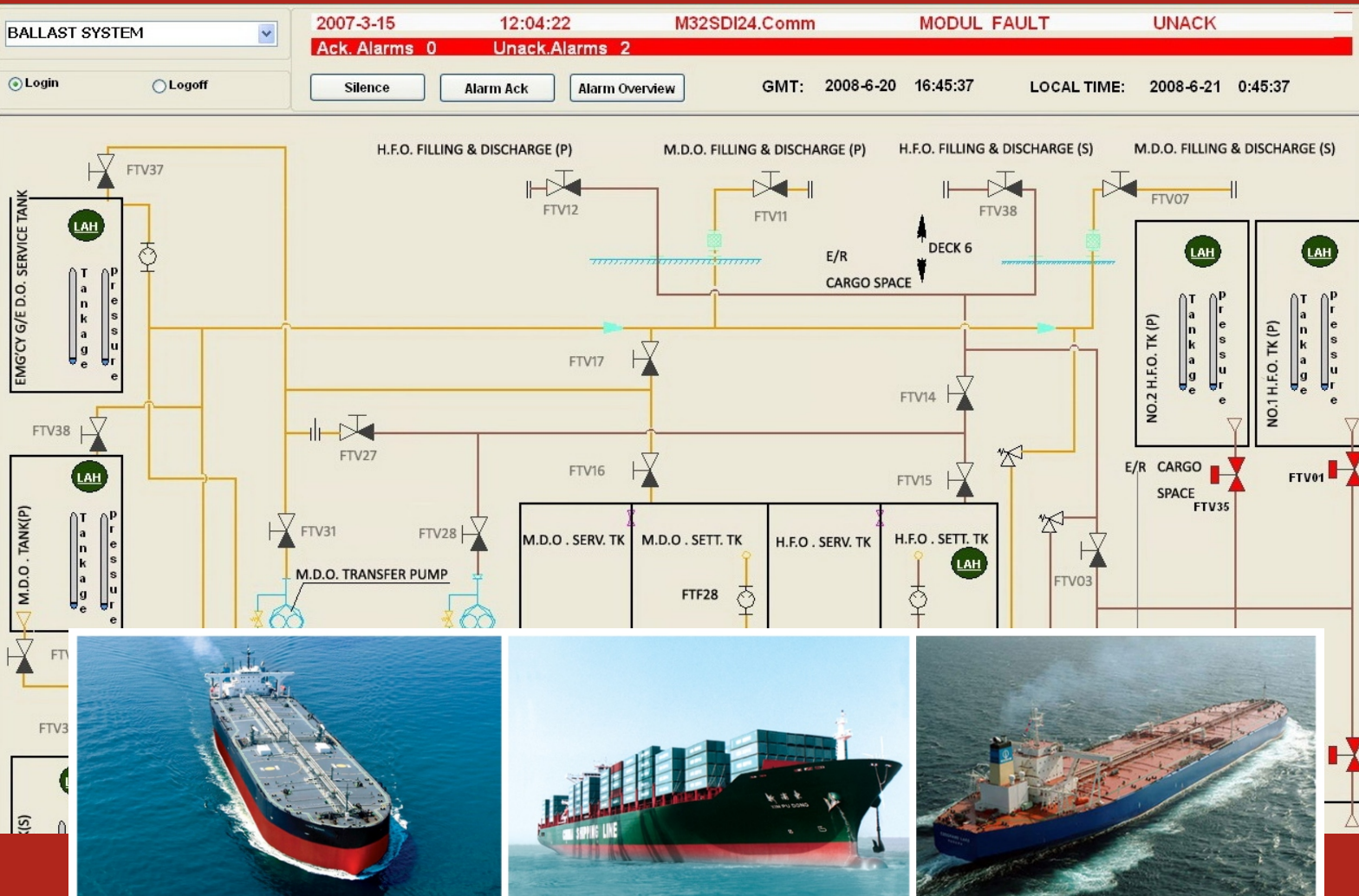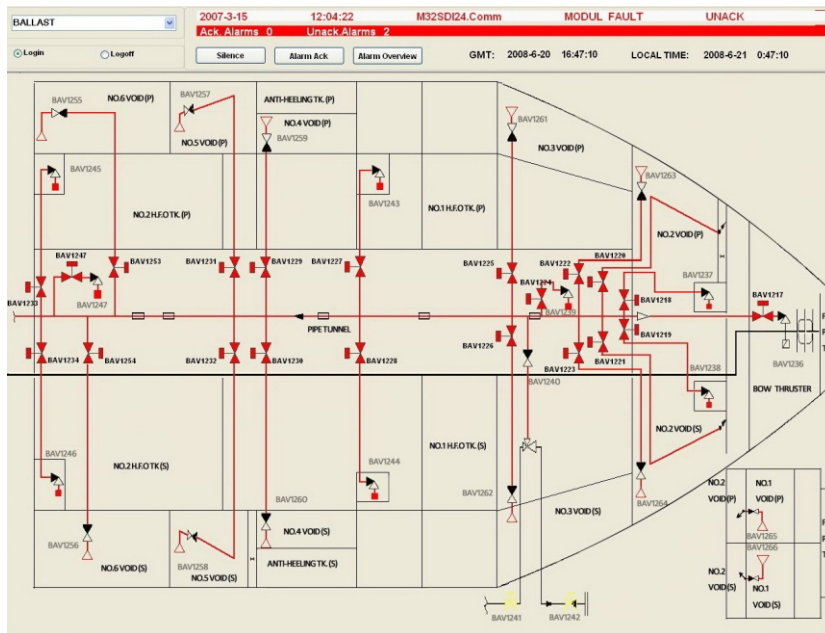## Valve Remote Control System

JUMHO
章和电气

VRCS 1000
Valve Remote Control System

Main Benefits

- **Cost Efficient**
- **User-Friendly**
- **Safe and Reliable**
- **Modular and Flexible**
- **Easy Installation**

Valve Control

The VRCS 1000 is designed to meet the high demands of marine applications.

- Valve control for tank, bulk, container
- Valve status display and alarm monitoring
- Integrated level measuring system

System Architecture

The VRCS 1000 is divided into four parts, the architecture is as follows:

- Software: Human Machine Interface
- Reporting
- Remote Display Unit
- Solenoid Valve Control Cabinet

General Information

Jumho Electric Valve Remote Control System represents experience, well-proven technology, and new up-to-date features. It can control up to thousands of valves simultaneously with easy-of-use PC human interface (HMI).

Software: human machine interface
Jumho Electric designed universal valve control system using graphical programming language and provide easily operations to different valves.

Software: HMI

Main functions:
Valve Control, Status Display
Sequence or Single Control
Level Gauging
Alarm Management
Tank Overview
etc.

Reporting

Alarm & Event Printers for:
Alarm and Event Data
Real-time and History Data
Graph and Overview
etc.

The Modular
Cost Efficient Solution

Reporting

An alarm and event printer is connected with the computer for data logging. Software is based on high performance database design and printer can easily choose different report to print.

Remote display unit

Remote display units are distributed around the ship according to your specific requirements.
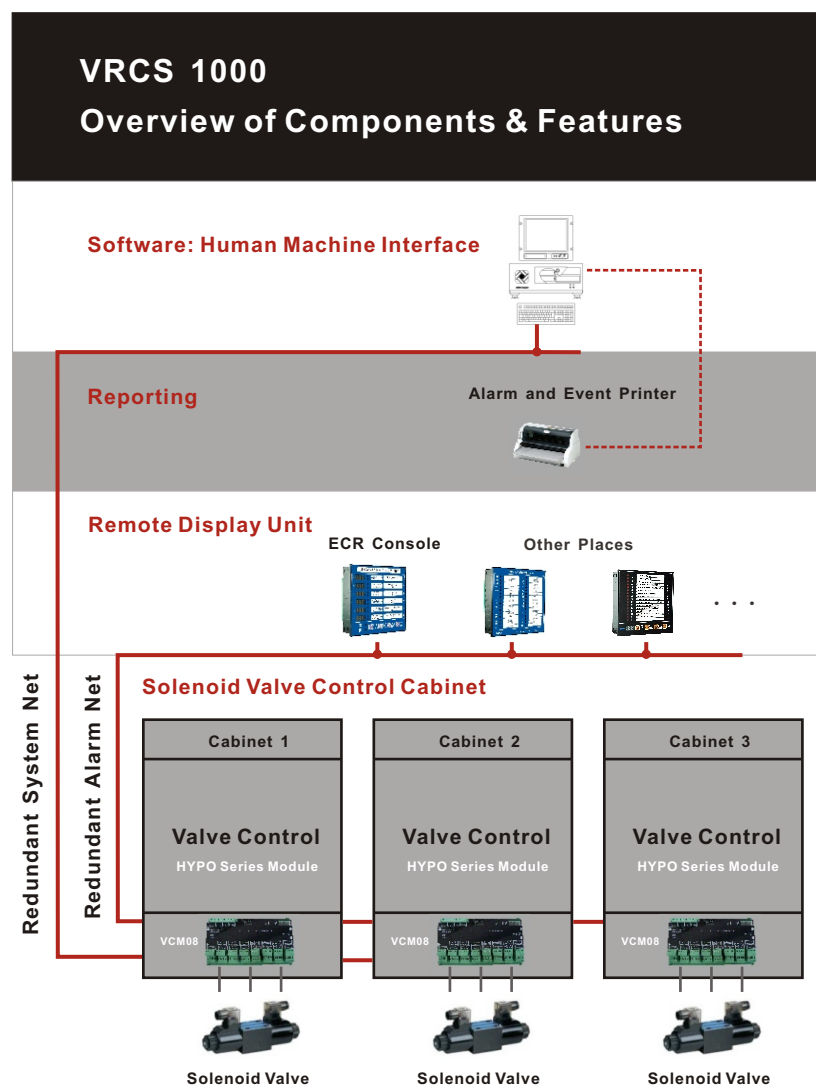
Solenoid valve control cabinet

The solenoid valve control cabinet receives control signals from the computer system which activates the solenoid valves. The cabinet consists of VCM08 and other I/O modules.

VCM08 is 8 channel remote valve control module using embedded technology, each module can control 8 solenoid valves separately and make total system very easy to connect or debug.

Modular and Cost Efficient

The VRCS 1000 is a module based system. The hardware is formed by HYPO series standard modules minimizing the spare parts and reducing cost for your ship.

VRCS 1000
Overview of Components & Features

Software: Human Machine Interface

Reporting
Alarm and Event Printer

Remote Display Unit
ECR Console   Other Places   . . .

Redundant System Net
Redundant Alarm Net

Solenoid Valve Control Cabinet

Cabinet 1	Cabinet 2	Cabinet 3
Valve Control HYPO Series Module	**Valve Control** HYPO Series Module	**Valve Control** HYPO Series Module
VCM08	VCM08	VCM08

Solenoid Valve   Solenoid Valve   Solenoid Valve

Remote Display Unit

Intelligent Instrument
Data Remote Display
Alarm Management
HYPO-D2200, X2200, X3200, X4200 Optional
Redundant Communication
etc.

Solenoid Valve Control Cabinet

Independent Units
Embedded Valve Control Module VCM08
HYPO series Analog I/O Module, DIO Module
Distributed Control
Redundant Communication
etc.

Competence in Marine Automation

Partnership

Jumho Electric provides innovation, high-quality products and system solutions for marine and industrial applications worldwide.

Jumho Electric is always keen on new innovations.

Jumho Electric Marine's product lines consist of

- Alarm and Monitoring System
- Valve Remote Control System
- Electro-pneumatic Level Gauging System
- Vapour Alarm System
- Remote Data Acquisition Module
- Intelligent Instrument

all with strong positions on the market.

Company Culture

- Honesty
- Innovation
- Never give up!

Company goal

- To be the global leader in the industry

Our opening platform combines different products together and also provides customized solutions.

We strive to give our customers highest possible benefits.

UKAS QUALITY MANAGEMENT

IAF MEMBER OF MULTILATERAL RECOGNITION ARRANGEMENT

ISO9001:2000   GL   CCS   高新技术企业证书

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