Yokogawa Electric Corporation

Energy-saving Control for Various Utilities

Features

◆ **High-reliability design controller**

– Design for minimization of failure and long service life in high-temperature range

– Redundancy allowing failed parts to be replaced without stopping control. No maintenance tools are needed.

◆ **Operation monitoring from any place**

– Web-based SCADA software VDS, FAST/TOOLS

◆ **Easy engineering**

– The international standard tool IEC61131-3 enables an engineering system to be built quickly and efficiently.

– High-quality modular programs permit easy reuse.

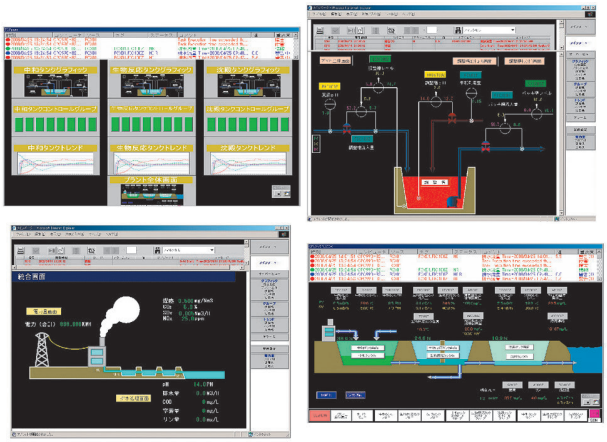
◆ **Open system for free coordination with third party's system**

- Full compliance with international standards/world standard technology

- Seamless coordination with various control equipment and easy system extension

Basic Concept or Summary

STARDOM is basically composed of the web-based SCADA software VDS, FAST/TOOLS (web-based HMI and SCADA software), and autonomous controller FCN/FCJ.



Examples of HMI by VDS

Effects or Remarks

- The web-based operation monitoring is very convenient when controlling utilities of multiple plants in distant places. The login password permits each user to separately use the operator's human machine interfaces (HMIs) and energy controller's HMIs.
- By adding a CPU module, a redundant system can be created when high-reliability control is necessary for large boilers, etc.
- Other options available are: the energy-saving application package InfoEnergy, which supports energy-saving control (sophisticated energy-saving control of many equipment groups, including control of mutual supply capacity among equipment groups); the air conditioning secondary pump energy-saving control system "Econo-Pilot" which won the Energy-saving Award, and other distributable solutions.

Installation in Practice or Schedule

Domestic Major fields of application include electric power (electric power monitoring, boiler control, and remote control of cogeneration system), water (pure water production equipment and water and wastewater treatment plant), and others (in-plant environment monitoring, remote control of energy center, and batch control of electric furnace temperature), etc.

Overseas Major fields of application include electric power monitoring, boiler control, pure water production equipment and water and wastewater treatment plant, petroleum and gas well site monitoring, etc.

Contact: **Yokogawa Electric Corporation**
Renewable Energy, Power & Water Business Center, Energy & Sustainability Business Headquarters
Tel: +81-422-52-5637
E-mail: GPSC-CONTACTUS@yg.jp.yokogawa.com
URL: https://www.yokogawa.com/industries/power/