

# SCADA Software Package

## FAST/TOOLS R9.05



The FAST/TOOLS is a supervisory control and data acquisition (SCADA) software package mainly for large-scale and widely distributed applications which gathers data from remote terminal units (RTU) such as FCN/FCJ STARDOM controllers, and accumulates and monitors them.

The newly released FAST/TOOLS R9.05 offers monitoring functions required at plant sites such as remote monitoring, unified monitoring, and monitoring by mobile terminals, and also provides the functions for the communication protocol conforming to the global standard IEC61850.

### FEATURES

- Remote gateway station (RGS)
 

The RGS is a gateway station which is connected to Vnet/ IP and transmits data from the stations of the CENTUM, such as FCS, SCS and UGS, to a remote FAST/TOOLS server. This makes it possible to collect scattered multiple CENTUM data into a remote FAST/TOOLS server through RGS and totally monitor the whole system.
- Collaboration decision support solution (CDSS)
 

Conventionally, multiple display terminals are required to display not only real-time data from each site but also multiple pieces of information such as production supply-demand information, weather information and video images at the field sites at the same time. The new CDSS function makes it possible to display all these pieces of information on a single large screen of, for example, 1920 x 1080 dot resolution, in an organized manner. This assists in making accurate business decisions for such things as production adjustment instructions.
- Mobile terminal support
 

Graphic data of the FAST/TOOLS can be converted into HTML5 format and displayed on compatible browsers such as Safari or Opera. This allows real-time monitoring of process data on mobile or tablet terminals such as iPhone, iPad, or Android devices.
- IEC 61850 standard compliant
 

This release supports the communication protocol defined in the global standard IEC 61850, which is applied in many electric power substations all over the world. This enables direct data communication with intelligent electronic devices (IED) used in electricity transmission and distribution, and in electricity control.

- OPC unified architecture (UA) client
 

This release includes OPC UA client function, a next-generation OPC standard. The OPC UA client of the FAST/TOOLS has been certified by the OPC Foundation for its interoperability and stable performance.
- Alarm system performance analysis (ASPA)
 

The advanced SCADA system tends to generate a number of various alarms. To prevent operators' overload due to the responses to excessive alarms, alarm management based on proper alarm policy is necessary. ASPA delivers functions based on the policy of the EEMUA 191 and ISA 18.2 to analyze the top 10 alarms, long-standing alarms, frequent alarms and others as statistical sets of data. This helps alleviate operators' burden in responding to alarms and reduces the risk of critical alarms being overlooked at the same time.

### SPECIFICATIONS

- Multiplatform
  - Microsoft Windows: Server 2008 R2/7 SP1 (64bit)
  - IBM/RS6000: AIX 6.1L
  - HP: HP-UX 11.3
  - Linux: Red Hat Enterprise Linux 6.3 (x86)
- Communication driver
  - For Yokogawa's products: STARDOM, DAQStation, DAQMaster, FA-M3, ProSafe-RS
  - For industrial protocol: Modbus (slave, master)
  - For other company's products: Rockwell, Siemens, Emerson, etc.

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