OpenEnterprise™ v2.83 Features

EMERSON
Process Management
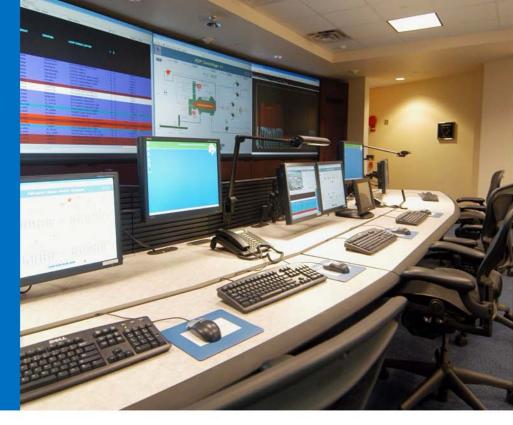
Remote Automation Solutions OpenEnterprise v2.83 is the latest release of Emerson's leading-edge SCADA and process control package. It is designed for the customer who requires more than a basic Human Machine Interface (HMI). OpenEnterprise provides unrivalled flexibility and connectivity, and is the tool that links plant, operations and management. It truly makes SCADA a part of the business process.

Alarms and Events
- Support for remote or server-generated alarms
- Distribute alarm system across servers
- Comprehensive alarm filtering options
- Historical event viewer
- Export alarm summary to Microsoft Excel/Microsoft Word
- Alarm summaries accessible via ODBC
- Logs all critical user activity (signal changes, alarm, login, etc.)
- Alarms printers; configurable to print all or filtered alarms
- Send to email, pager, cell/smart phone
- Acknowledge from cell/smart phone
- Alarm escalation included

Architecture
- Support for Microsoft Windows 7, XP, Windows Server 2008
- Client/server based
- Fault-tolerant configurations

Data Access
- ANSI SQL and ActiveSQL
- ODBC/JDBC/OLEDB
- DDE
- OPC/OPCHDA
- OPC Alarm and Event Server
- OSIsoft PI Historian Connectivity
    - Ability to directly export historical data collected from an RTU to a PI historian

Data Collection
- Native ROC/ROCPlus
    - Real-time
    - Historical
    - Alarms and events
    - ROC and FloBoss support

Data Collection (cont'd)
- Native Allen Bradley/RSLINX
- OPC data access
    - Modbus
    - DNP3
    - FOUNDATION™ fieldbus
    - Echelon

Database
- Object-oriented
- Relational interface
- Event driven
- Memory resident
- User-definable schema
- Optional CL scripting
- Triggers external applications (including Microsoft VB)
- No tag or I/O licensing restrictions

Historical
- Polled or exception logging
- Any objects may be logged
- Auto-archiving
- Automatically retains archives on-line
- Built-in compression algorithms
- Support for non-standard collection periods
- Historical DB backfill after communications loss
- Historical editing for ROC products

Integration with DeltaV DCS System
- Bi-directional real-time data transfer between OpenEnterprise and DeltaV
- Back-fills historical and alarm data from RTU directly into DeltaV's Plantwide Historian
- Timestamp preservation of stored RTU data into DeltaV
- Enables sending commands from DeltaV down to the RTU

Mimic displays
- OPC compliant
- Animate color, size, location, rotation, value, flash, hide, and disable
- Extensive object library
- Dynamic gradient fills
- Imports BMP, JPG, GIF, DXF
- Support for third party clip art
- Display and object aliasing, global editing of all objects across all displays
- Global text edit/replace across all displays
- User-configurable tool tips
- User-configurable menus
- Built-in Microsoft VBA
- ActiveX Container (embeds other controls)
- ActiveX control (embedded in other applications)
- Zoom, pan, and declutter supported
- Development tools included with all runtime licenses
- All WS features supported in Internet Explorer Thin Client

Network Support
- TCP/IP throughout
- Ethernet
- Internet
- Radio and satellite
- GSM/CDMA/GPRS
- No DCOM required

Reporting
- Text-based and graphical reports
- Supports PDF, XLS, HTTP, XML
- Publish via email, web servers, and print
- Supports OpenEnterprise real-time, historical, alarm, and diagnostic data
- Reports can include data from third-party databases, including SQL Server and Oracle
- Manually select and publish any report for a particular date/time

Security
- User group-based security
- Control access to all database objects
- Control access to configuration functions
- Areas of responsibility
- Support for SQL Grant and Revoke

Trending
- Real-time update of historical trends
- Mix real-time and historical data on single trend
- No limits on pens per trend
- Data quality and alarm limits
- Gradient shading and image background
- Microsoft Excel, JPG, and BMP export
- Drag-and-drop trending from display mimics
- Right click on an alarm or SQL Query for quick trending

Trending (cont'd)
- Trend templates allow operations staff to quickly create and save their own trends
- Trend overlay allows for comparison of older and current data for the same pen
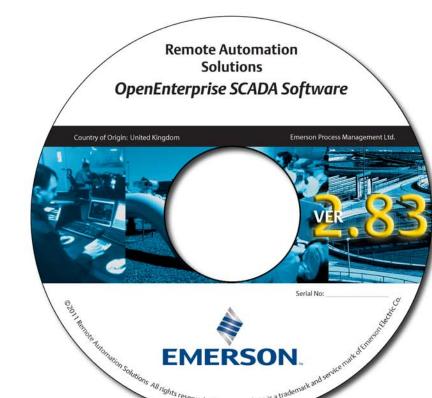- Performance mode increases performance on wireless networks

Webview Thin Client
- Support for third party web tools within operator WS
- Improved security: built-in web browser limits users to pre-configured web sites and does not require access to Internet Explorer
- Access controlled by OpenEnterprise security
- Use for GIS, CMMS, and other intranet applications

WEBTOOLKIT
- Set of .NET controls for building web pages
- Ideal tool for building corporate portals and diagnostic tools
- Full AJAX support
- Web-based visualization of all OpenEnterprise data
- ncludes real-time and historical trending and reporting
- Integrate data into Google Maps
- Support for Microsoft Visual Web Developer (Free Edition) and Visual Studio

This document is intended to provide a high level overview of the features provided within the product. If you need more information, please refer to the product documentation located on our website (www.EmersonProcess.com/Remote) or contact us at OpenEnterprise@EmersonProcess.com.

Remote Automation Solutions
OpenEnterprise SCADA Software

Country of Origin: United Kingdom   Emerson Process Management Ltd.

VER 2.83

Serial No:

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