

Introduction to OpenEnterprise™ Product Overview





Remote Automation Solutions OpenEnterprise is Emerson Process Management's leading-edge Supervisory Control and Data Acquisition (SCADA) package. This document provides a brief introduction to the functionality and features of the product.

Overview

OpenEnterprise is a client / server based SCADA package, targeting the requirements of the oil & gas production, distribution and transmission industries. The product is supported on current Microsoft operating systems, and incorporates support for a wide range of industry standard database interfaces and communications protocols.

Communications

OpenEnterprise has been designed to meet the needs of the SCADA user with challenging communications requirements, retrieving data from remote locations via a wide variety of communications media (radio, satellite, cellular and hardwired media).

When combined with Emerson's range of RTUs and flow computers, OpenEnterprise provides a system fully-equipped to meet the challenges of low bandwidth, high latency and poor quality networks.

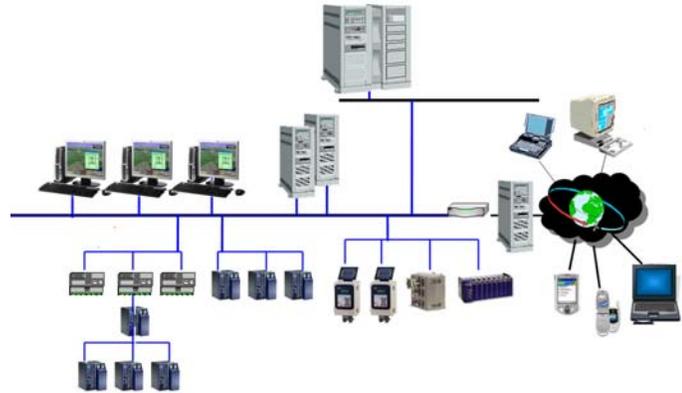
As well as supporting Emerson's primary SCADA protocols (BSAP and ROC™ / ROC Plus), OpenEnterprise provides access to a wide range of third-party protocols via an OPC Remote Device driver, which can be configured via a simple 'drag-and-drop' interface. OPC Servers are available to provide access to the vast majority of industry standard SCADA protocols, including Modbus, Fieldbus and DNP3.



Data Access

A SCADA system is of little use unless it can be used to integrate the data into your Business Management Systems. Many existing systems require manual transcription of data from the User Interface into business systems. OpenEnterprise avoids this error prone (and time-consuming) task by providing full 'open' access to all real-time, historical, and configuration data via a wide range of industry standard interfaces – ODBC, OPC, OPCHDA, JDBC, DDE, and SQL, to name just a few.

These interfaces can be used to connect your corporate applications to your SCADA system, often in a matter of minutes. There is no need to purchase proprietary middleware, connectors or APIs – direct 'application to application' links are usually possible. Many of our customers are exporting data to SQLServer, Oracle, PI, Infoplus, SAP, and other industry standard platforms via these interfaces. You can also share data with Emerson's DeltaV™ DCS platform.



Fault Tolerance

Reliability and availability are critical for SCADA systems. OpenEnterprise has been designed with a range of fault-tolerant and hot standby options, both for the server hardware and communications links. Emerson's ControlWave platform provides for similar redundancy at the RTU level, allowing for systems that will meet the requirements of the most demanding user.

User Interface

OpenEnterprise is fully supported on both Windows 7 and Windows 2008, and uses the power of these operating systems to provide an intuitive user interface that will be familiar to anyone who has used these operating systems. We provide both 'thick' and 'thin' client options, which use a shared configuration, providing an identical user interface to both local and remote users.

The OpenEnterprise TS Client is compatible with both Windows Terminal Services and Citrix Metaframe. Another option for sharing data with corporate users is OpenEnterprise WebToolkit – a set of .NET / Ajax components that can be used to provide secure access to OpenEnterprise data within most corporate portals, and to share data with your customers.

Configuration of the OpenEnterprise user interface is straightforward and easy to learn, being similar to Microsoft PowerPoint. Great care has been taken to permit the re-use of all application components, reducing significantly the effort needed to build and maintain large systems. Although VBA, VBS, and Jscript are included in the standard package, it is rare that they are needed – the standard product can be configured without programming or scripting.



For additional information, we would recommend the OpenEnterprise Product Data Sheet (http://www.documentation.emersonprocess.com/groups/public/documents/specification_sheets/d301344x012.pdf), or contact us directly.

Find us around the corner or around the world

For a complete list of locations please visit us at www.EmersonProcess.com/Remote



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