

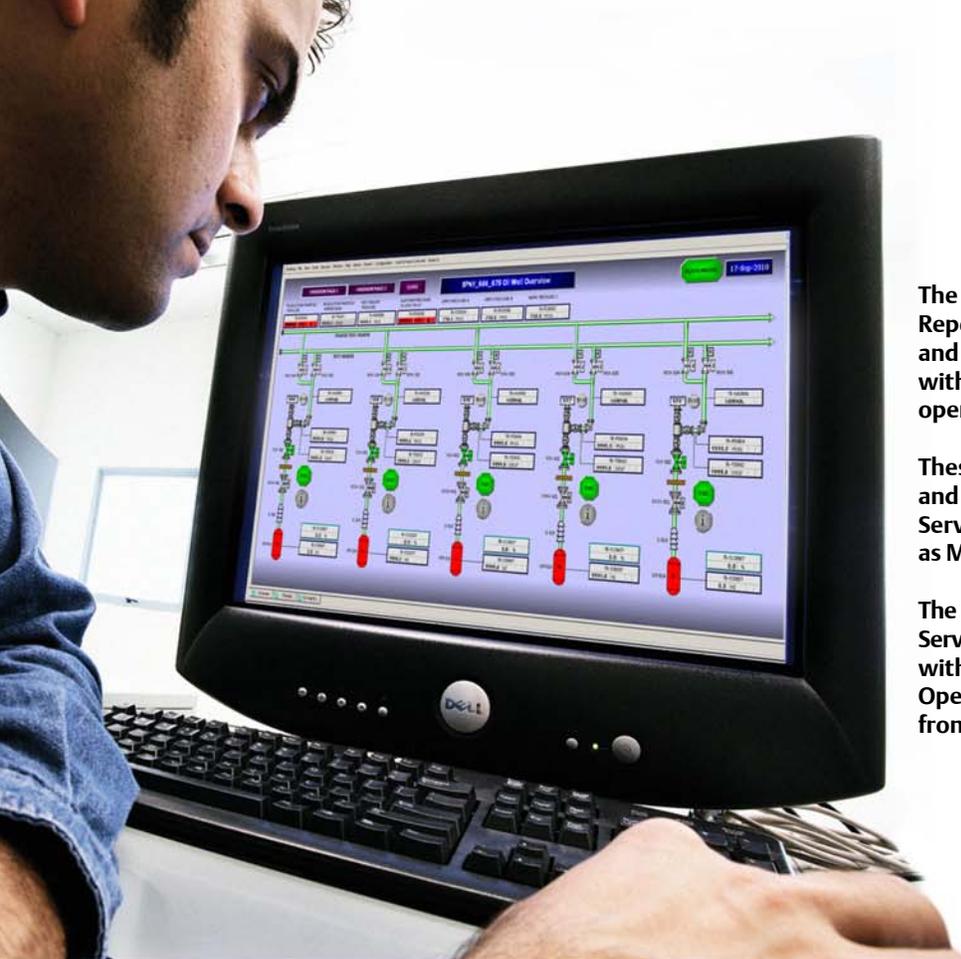


OpenEnterprise™ Reporting Suite



EMERSON™
Process Management

OPERATION



The Remote Automation Solutions OpenEnterprise Reporting Suite is a comprehensive suite of programs and utilities that provide OpenEnterprise customers with all the reporting tools they need to meet operational and regulatory requirements.

These reports can include historical, real-time, alarm, and diagnostic data from one or more OpenEnterprise Servers, and also data from third-party databases such as Microsoft SQL Server or Oracle.

The Reporting Suite can be installed on an OpenEnterprise Server, Workstation, or standalone on a networked PC with access to the OpenEnterprise Server(s). A single OpenEnterprise Reporting Suite can generate reports from multiple servers with a single license.

Suite Components

The OpenEnterprise Reporting Suite contains three separate components, plus an additional workstation component: Reporting Configuration Excel Plug-in, Report Scheduler, Reporting Configuration Tool, and Report Selector.

Reporting Configuration Excel Plug-in

The reporting configuration Excel Plug-in adds the ability to create OpenEnterprise reports to Microsoft Excel 2003, 2007, and 2010. It adds a series of menus and functions that make it easy to add and format report data.

Using the plug-in is as easy as selecting the time period you're looking for (hourly or daily, for example) and the data points you need. Unless you are using a third-party database, there's no need to know SQL or any other programming language – just select the data you want and it appears in Excel. The advantage of using Excel as the report editor is that all the standard Microsoft functionalities are available. In addition to traditional tabular reports, you can include graphics, trends, and pie charts as well as perform calculations on the data. Excel's conditional formatting allows you to highlight areas of the report, perhaps where suspect or out-of-range data is detected.

As with OpenEnterprise displays, you can embed alias within reports. This means that you can re-use a single report for multiple locations without further editing, and even configure reports so that they will automatically include new sites as they are added to the system.

Report Scheduler

The report scheduler automatically creates and publishes the final reports, using the configuration created within Excel and the Report Configuration Tool.

Publish your reports manually, on demand, on a regular schedule, or based on system events such as on occurrence of a system alarm.

The program performs the following actions when publishing:

- Extracts the data from the source databases
- Performs any calculations needed
- Inserts the data into the report templates
- Formats the data, and update any calculated values or graphics
- Saves a backup of the report
- Converts the report to other file formats required for distribution
- Sends the final reports out to their defined destinations

To publish your reports, select from a variety of formats: Excel (.XLS), Adobe Acrobat (.PDF), Comma Separated Variable (.CSV, useful for importing to other systems), XML, and HTML. Once published reports can be distributed in several ways. They can be printed, be emailed out as attachments, or be moved to remote web servers and FTP servers.

In minutes, produce a report package that automatically distributes updates.

Using the Report Configuration tool, select an Excel template. You develop these templates using the OE Reporting plug-in, and specify, for example, that the report runs daily at 8:00 a.m. and includes data from a particular set of filters or gas wells. Report configuration options enable you to send the final report via email (as an attached .PDF) to critical operations staff and post HTML copies on the company in-house web site. You can also generate a CSV version of the same data and transmit it to corporate headquarters for inclusion in a billing package. You can define all these report configurations only once, and the report process then occurs automatically without the need for custom scripting or programming. You control the content, formats, and destinations.

Reporting Configuration Tool

Use this tool, found in OpenEnterprise toolbox, to configure the reporting system. In an easy-to-understand tree view, the system engineer can create, edit, and select individual report templates, recipients, formats, and schedules to produce a complete report package. After configuring your report package, use the Report Configuration tool to manually test and publish reports before scheduling them for automatic publication.

Report Selector

OpenEnterprise 2.80 introduced the Report Selector. This is a workstation component, which allows you to browse a calendar, select a date, and the reports available for that date. If the report has already been published, it can be pulled up for viewing on the workstation. If it has not been previously published for that date, then you can manually publish the report and distribute it using the configuration created in the Reporting Configuration tool.

WebToolkit now includes a web-based Report Selector that gives remote web-based users the same functionality as the workstation-based Report Selector.

Leveraging the data from your OpenEnterprise SCADA system has never been so easy!

Find us around the corner or around the world

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