

# CitectSCADA Reports V4.1

What's  
NEW

CitectSCADA Reports, Citect's powerful historian, is a plant-wide reporting tool that collects, historizes and delivers reporting data from multiple, disparate systems. Unlike other historians, it utilizes 100% Microsoft SQL Server 2005 as its embedded historical data store, bridging the gap between plant and business systems and enabling Citect to deliver a fully integrated decision analysis solution.

CitectSCADA Reports provides Plant and Operations Managers and IT and System Engineers with secure, familiar, easy-to-use reporting technology whilst delivering meaningful and relevant reports in a familiar format to users for strategic decision-making.

With the release of CitectSCADA Reports V4.1, installation and configuration have become even easier. Implementation time is reduced and administering the system does not require special training as our standard set of reports makes CitectSCADA Reports usable out of the box. You can choose from a whole range of report templates, including alarm management reports. Yet customization to the individual requirements of your site is just as easy by modifying report templates.

## ENHANCEMENTS IN VERSION 4.1

### Simplified installation

The new Installation and Configuration Guide incorporated in the installation wizard makes it much easier to get started.

### Updated schema import

Benefit from the re-engineered schema import procedure - add a data source manually or import it into the Server Manager and it will be interrogated based on its type. With the new Importing Schema dialog, gain visibility of:

- the location of the data source
- the tables detected and
- the progress of the import.

The dialog also allows you to cancel an import, while still making the partial import data available.

### Support for tag arrays

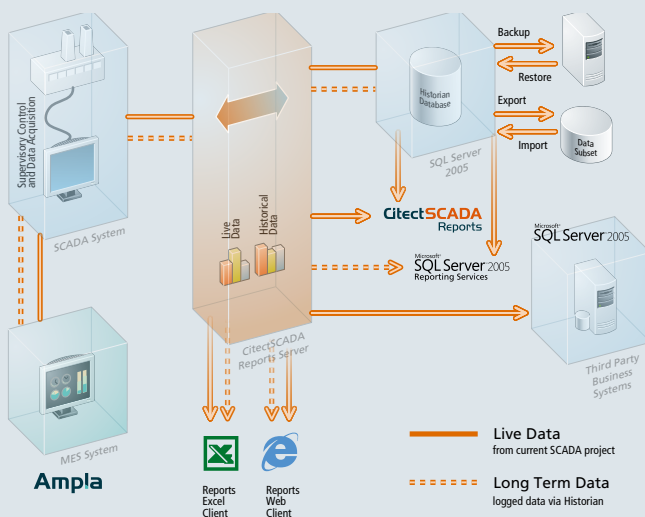
A tag array is a collection of variables of the same type that is stored across consecutive memory registers in an I/O device. Arrays allow multiple variables to be configured as a single tag within a SCADA project. With CitectSCADA Reports V4.1, each element in an

## WHAT'S NEW IN V4.1

- Simplified installation
- Updated schema import
- Support for tag arrays
- Support for time stamped tag data
- Support for clustered SCADA systems
- Out of the box sample reports
- Alarm minimization & alarm management reports
- Data Integrity Checker
- Free OPC HDA Server

## BENEFITS AT A GLANCE

- Powerful reporting tool across the enterprise
- Easy to install and configure
- Functionality out of the box
- Fully integrated solution for reporting and decision analysis



LEFT: CitectSCADA Reports V4.1 Architecture

# Collects >>> Historizes >>> Reports

CitectSCADA Reports V4.1 is the industry's 'most open' historian with a powerful standard reporting package designed to help you improve plant operation and management. By utilizing an integrated decision analysis solution such as CitectSCADA Reports V4.1, businesses can analyze performance and more effectively manage changing demands.

array is addressed individually within the Server Manager using an index number.

## Support for time-stamped tag data

Time-stamped data is typically cached and pushed into a SCADA system at a time later than the data is acquired, resulting in the loss of the original time-stamping as the time polling takes precedence. CitectSCADA Reports V4.1 now includes a "historical" data acquisition method, allowing tag value changes to be time-stamped in your historian database. Using this historical mode, data is acquired based on the last read sample time for each time-stamped tag.

## Support for clustered SCADA systems

Clustering refers to the grouping of server components within a single SCADA project, allowing multiple systems to be monitored and controlled simultaneously through a single node. When importing a schema for a CitectSCADA project created with version 7.0 (or higher), you will encounter a clustered system. The Import Schema dialog in CitectSCADA Reports V4.1 will automatically detect a clustered system and indicate the number of clusters identified. Once the Reports Server Manager is populated with the data from a clustered system, the detected clusters appear as an additional level in the data hierarchy.

## Out of the box sample reports

CitectSCADA Reports V4.1 now comes with a standard set of pre-configured reports, simplifying basic alarm and tag reporting. Alternatively, you can build customized reports to your individual requirements. Choose from:

- Standard reports
- Developer reports
- System reports
- Custom reports

## Focused reports

CitectSCADA Reports V4.1 comes with pre-configured alarm rationalization reports based on the EEMUA 191 alarm management guidelines. More industry-specific reports will be added continuously to assist you in complying with government regulations.

## Data Integrity Checker

The new Data Integrity Checker is an embedded tool to help you verify that there are no unbound CitectSCADA attributes (variable tags, alarms and trends) located in the Published Information and Historian folders. It can be invoked at any time and can also be used to check all configured tasks, events, and trends under a data source node. If unbound attributes are found, the tool allows you to restore bindings on an individual or grouped basis.

## Free OPC HDA Server

CitectSCADA Reports V4.1 now offers OPC HDA Server as standard, closing the gap between systems by connecting 'freely' to Manufacturing Execution Systems (MES) such as Citect's Ampla and thus enabling Citect to deliver a fully integrated solution, giving you the opportunity to get the latest product and services innovations from a single provider.

Using OPC standards allows for:

- the moving of information vertically from the factory floor throughout an enterprise with multi-vendor systems.
- interoperability** between devices on different industrial networks from different vendors.



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OCEANIA +61 2 9496 7300, AFRICA +27 11 699 6600, FRANCE +33 47 215 8450, GERMANY +49 89 319 014 45, GREATER CHINA +86 21 2401 7500, INDIA +91 22 4017 0053, JAPAN +81 3 5821 1124, LATIN AMERICA +1 770 521 7511, MIDDLE EAST +31 71 576 1550, NETHERLANDS +31 71 576 1550, NORTH AMERICA +1 770 521 7511, NORTH ASIA +65 6482 2212, SOUTH EAST ASIA +65 6482 2212, UK +44 1675 466658

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