

# What's new in Vijeo Citect 7.30

With a strong focus on improving plant efficiency, Schneider Electric's Vijeo Citect™ 7.30 delivers new features and improvements in the areas of:

- Equipment
- Alarms
- Libraries
- Open Access
- Energy Management

New features and functionality provide improved engineering workflows, resulting in less configuration time and facilitate better ways of accessing, analyzing and managing operational information, enabling quick & efficient responses to information, such as alarms.

## Benefits at a glance

- > Improved efficiency for both engineers and operators
- > Open interfaces for effective information management
- > Process Energy Management
- > Tighter and simplified integration

## New features in v7.30

- > Equipment templates
- > Library controls including data grids, scroll bars and trees
- > Alarm templates
- > Sequence of events view
- > Alarm counts
- > OPC A&E, OPC-DA Server and ADO interfaces
- > Software licensing
- > Tighter integration with Vijeo Historian
- > Time stamping from the source with OFS

Alarm sorting and filtering helps to organize data and to locate information quickly

Columns can easily be resized, added or removed during runtime to display desired information

Equipment tree helps to quickly drill down to identify faults or problems at the equipment level

Active alarm counts can easily be viewed

Vertical and horizontal scroll bars make it easy to navigate through the data

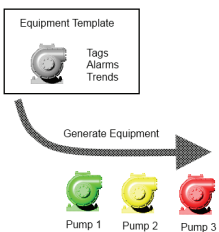
Date	Time	Tag	Name	State	User Comment
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17/10/2012	15:55:01	Mixer_StrawFeed_FAULT	Mixer Strawberry Feeder Fault	OFF	
17/10/2012	16:37:58	Raw_SkimMilkAgit_FAULT	Mixer SkimMilk Agitator Fault	OFF	
17/10/2012	15:16:22	Raw_SkimMilkOutPump_FAULT	Mixer Skim Milk Out Pump Fault	OFF	
17/10/2012	16:38:11	Mixer_MaltFeed_FAULT	Mixer Malt Feeder Fault	OFF	
17/10/2012	13:32:51	Mixer_Line2Pump_FAULT	Mixer Line 2 Pump Fault	OFF	
17/10/2012	13:18:43	Mixer_Line1Pump_FAULT	Mixer Line 1 Pump Fault	OFF	
17/10/2012	16:32:12	Raw_FullMilkAgit_FAULT	Raw Full Milk Agitator Fault	OFF	
17/10/2012	13:42:07	Raw_FullMilkOutPump_FAULT	Raw Full Milk Out Pump Fault	OFF	
17/10/2012	13:08:19	Mixer_ChocFeed_FAULT	Mixer Chocolate Feeder Fault	OFF	
17/10/2012	15:01:53	Mixer_Agitator_FAULT	Mixer Agitator Fault	OFF	

## Equipment

Vijeo Citect 7.30 offers two significant and exciting new features in this area, equipment templates and equipment hierarchy.

Equipment templates simplify and standardize the configuration of equipment across systems. The advantage of using templates is that each type of equipment needs only to be configured once. The equipment type can then be instantiated multiple times throughout projects without requiring further engineering. This reduces engineering time and delivers consistency both within and across projects.

Equipment hierarchy provides the ability to design your process utilizing a hierarchical structure, and can facilitate a customers' transition from a flat tag-based to an object-based system. The equipment hierarchy can be used to browse, sort and filter lists of tags. When combined with the new variable tag browse, a user can search and display lists of tags based on rich data quality information including tag properties such as manual override or control inhibit.



A piece of equipment can be configured once and then reinstated multiple times throughout projects

## Alarms

Vijeo Citect 7.30 introduces new alarm graphics templates which natively incorporate equipment. These new alarm views deliver display flexibility such as supporting scroll bars to improve navigation when moving and interacting with alarms, and collapsing & expanding the equipment tree, as required. New alarm counts also allow the operator to rapidly view and respond to the state of the process.

The sequence of events (SOE) is a complete historical view of all alarm event information. This new SOE view allows an operator to obtain a holistic sequential view of the alarm events in their process. Multiple operator comments are supported for any alarm event, such as state transition, acknowledgement or operator action.

V7.30 also delivers the ability to create named filters. Named filters can be defined for your system and saved for easy reuse by operators. For example named filters can be used for context fields such as "area 1", "crushing", "shipping" or "processing".

Active alarm information is now available via a new OPC A&E Server.

## New Libraries

Commonly required runtime elements such as data grids, scrolls bars and trees are now delivered as standard library controls within Vijeo Citect 7.30. These standard library controls contribute to a reduction in the required engineering time for rapid presentation of data and flexible navigation within operator interfaces.

These libraries are used throughout the product including within the new alarm templates. This provides rich and easy-to-use interfaces for an operator to manage alarm information.

## Open Access

Vijeo Citect continues its commitment of flexible and open connectivity to allow data exchange with other systems.

In v7.30 this is achieved through:

- > Delivering a new OPC DA Server which is fully integrated with the equipment functionality. It is compliant with the OPC Foundation® v2.05 & v3.00 standards.
- > New active alarm connectivity through OPC A&E server and historical alarm information accessibility through open SQL queries with OLE-DB, allowing easy exchange of alarm data with other systems.
- > Microsoft® ADO provides extended functionality for connecting and exchanging information with external databases. Record sets can be returned in both a connected and disconnected state, which provides flexible and scalable data architectures.

The new database library controls also make it easier to present data on a graphics page with little or no code.

## Improved Energy Management

Vijeo Citect's Scheduler provides an innovative and intuitive approach to scheduling functionality. Moving beyond the traditional time scheduler, it is able to integrate with systems including production, facilities and energy scheduling. The Scheduler allows you to optimize your process operations by defining the equipment hierarchy and then setting state-based equipment actions.

Vijeo Citect now incorporates some exciting new product options, Vijeo Citect +PowerConnect™ and Vijeo Citect +Facilities™ to further enhance your ability to manage your process and plant.

Vijeo Citect +PowerConnect provides the ability to bring your power and process information together within your Vijeo Citect system. Having your energy consumption information directly alongside your process metrics allows for comprehensive analysis and a detailed understanding of your energy use.

Vijeo Citect +Facilities provides the ability to connect and control facility services in alignment with process information, within your Vijeo Citect system.

## More Features

### **Time stamping from the source**

Schneider Electric provides a fully integrated system for time stamping from the source. With millisecond accuracy, the time stamp information flows simply from the PAC via OFS, up to Vijeo Citect 7.30, where it is displayed directly on the operators screen.

### **Tighter integration with Vijeo Historian™**

With a new historize selection in the SCADA tag configuration, Vijeo Historian's data configuration can now be set up seamlessly. This significantly reduces engineering time and allows improved consistency of information by having a single configuration data source.

### **Introduction of software licensing**

Now available is a software licensing option eliminating the need for physical dongles for your system to run.

### **Improvements in the translation database**

V7.30 provides improvements in managing runtime translations when working with included projects. Language runtime translations are now easier to maintain as translations can be stored with the specific project. This allows easier portability of the information across projects.

### **Web deployment**

V7.30 allows any custom user defined files to be specified for inclusion in a project. These files are automatically made available and fully deploy with the web client.

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