

A Powerful Combination

j5 Operations Management Software and OSIsoft® Event Frames

What are PI Event Frames?

Events are important processes or business time periods that have an impact on industrial procedures or operations. Those in the process industries often need to analyze the OSIsoft PI System® data in the context of these events, rather than by continuous time periods.

Examples of different types of events include asset downtime, process excursions, equipment start-ups and shut downs, environmental monitoring excursions, product tracking batches or paper grades, operator shifts or any other event type that has start and end times.

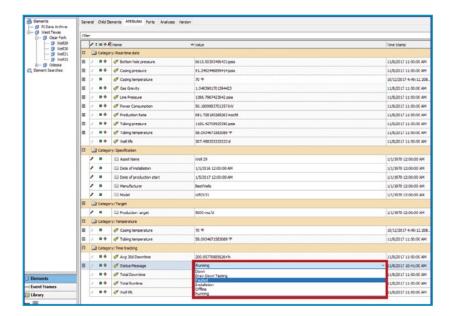


The OSIsoft PI System has a feature called PI Event Frames, which captures critical event contexts for users. The PI Event Frames feature allows OSIsoft PI System users to capture a name, start time, end time and a series of related information - such as event attributes - that are useful for analysis within the OSIsoft PI System.

The Powerful Combination of PI Event Frames and j5 Operations **Management Software**

PI Event Frames and their attributes can be synchronized to j5 Operations Management Software from a PI Asset Framework server and database. Attributes can also be updated in j5 Operations Management Software and written back to the PI Asset Framework. PI Event Frames can be locked and acknowledged from j5 Operations Management Software.

Using the j5 IndustraForm® Designer, PI Event Frames and PI Asset Framework element templates can be converted into j5 IndustraForm Templates automatically. Functionality such as Flags, Notes, Approvals, Conditional Visibility, Email Alerts can be associated with PI Tags to provide a powerful combination of human procedures with real-time data, allowing for better situational awareness across an industrial site.



1. In this example, Well 29 goes offline.

Well29 Downtime 2017-11-08 11:52:44

Well Downtime

Admowledge

11/8/2017 11:52:44.635 AM

General Child Event Frames Referenced Elements Attributes

Well29 Downtime 2017-11-08 11:52:44

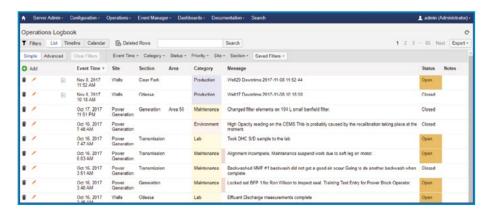


Name:

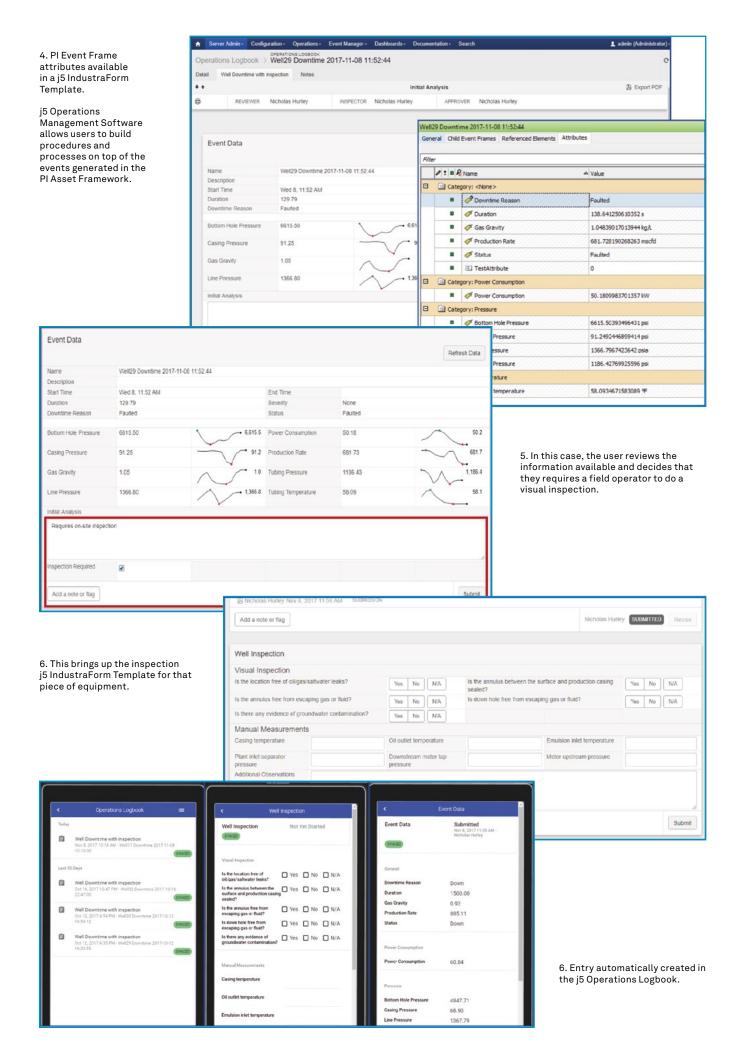
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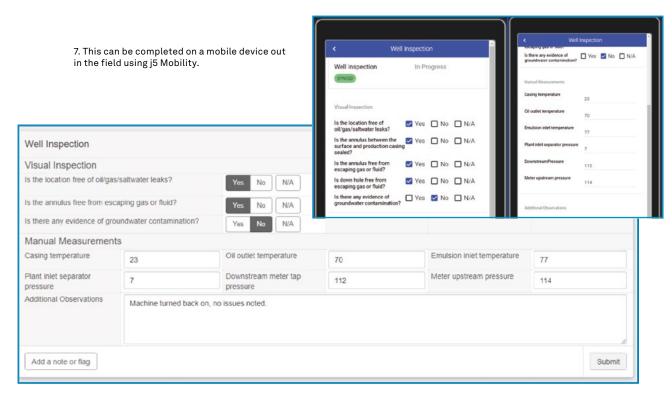
Start time:

2. PI Event Frame created in PI Asset Framework.



3. Entry automatically created in the j5 Operations Logbook.

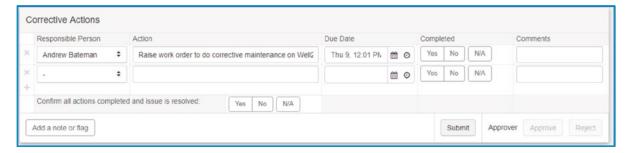




9. That information is automatically synced back to the desktop version of the j5 IndustraForm Template, so the operator in the control room can have visibility of the information without the need for radio calls or waiting for the field operator to return.



10. Data collected can also be written back to PI Tags or PI Asset Framework attributes.



11. The final part of this example workflow is adding corrective actions to resolve the issue. This could be adjusted to fit any process. Different procedures and j5 IndustraForm Templates can be lined up with different PI Event Frames.

About Hexagon

Hexagon is a global leader in sensor, software and autonomous solutions. We are putting data to work to boost efficiency, productivity, and quality across industrial, manufacturing, infrastructure, safety, and mobility applications.

Hexagon's PPM division empowers its clients to transform unstructured information into a smart digital asset to visualize, build and manage structures and facilities of all complexities, ensuring safe and efficient operation throughout the entire lifecycle.

Hexagon (Nasdaq Stockholm: HEXA B) has approximately 21,000 employees in 50 countries and net sales of approximately 3.9bn EUR. Learn more at hexagon.com and follow us @HexagonAB.