

Life Is On

Schneider
Electric

eDNA Event Manager

Right information to the right people at the right time.

eDNA Event Manager supports the creation of user-defined event notifications and sends urgent process and sensor data to the people responsible for diagnosing and solving potential problems.

wonderware.com/industrial-information-management/edna

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The Challenge

Organizations are facing an ever-increasing volume of real-time industrial sensor, process and IT-related data. Monitoring this data manually to find exception events is both impractical from a resource standpoint and virtually impossible to manage when time-critical issues must be acted upon immediately. With today's business culture, organizations must get the right information to the right experts with less time and more accuracy.

The Solution: eDNA Event Manager

The Event Manager uses existing eDNA product suites to alert users to potential concerns. The user-friendly module offers point-and-click configuration of simple or complex rules based on any data source, email or text notification of events and the ability to attach trends or reports to notifications.

Name	Instance	Start Date	End Date
High Flow Alarm	InStep Power ColSolder FieldUnit 2ICT 2IFuel	8/26/2011 8:24:26 PM	
High Flow Alarm	InStep Power ColSolder FieldUnit 1ICT 1IFuel	8/26/2011 8:24:26 PM	
High Flow Alarm	InStep Power ColSolder FieldUnit 2ICT 2IFuel	8/26/2011 8:24:25 PM	8/26/2011 8:24:26 PM
High Flow Alarm	InStep Power ColSolder FieldUnit 1ICT 1IFuel	8/26/2011 8:24:25 PM	8/26/2011 8:24:26 PM
DuctBurner Energy Flow	InStep Power ColComiskeyUnit 1MSSG 1Ductburner	8/26/2011 8:24:25 PM	
DuctBurner Energy Flow	InStep Power ColComiskeyUnit 2MSSG 2Ductburner	8/26/2011 8:24:25 PM	
Soldier Ambient Temp		8/26/2011 8:24:25 PM	
High Flow Alarm	InStep Power ColHogleyUnit 1ICT 1IFuel	8/26/2011 8:24:14 PM	
High Flow Alarm	InStep Power ColHogleyUnit 2ICT 2IFuel	8/26/2011 8:24:14 PM	
DuctBurner Energy Flow	InStep Power ColComiskeyUnit 1MSSG 1Ductburner	8/26/2011 8:24:05 PM	8/26/2011 8:24:26 PM
DuctBurner Energy Flow	InStep Power ColComiskeyUnit 2MSSG 2Ductburner	8/26/2011 8:24:05 PM	8/26/2011 8:24:26 PM
Soldier Ambient Temp		8/26/2011 8:24:05 PM	8/26/2011 8:24:26 PM
DuctBurner Energy Flow	InStep Power ColHogleyUnit 1MSSG 1Ductburner	8/26/2011 8:24:00 PM	8/26/2011 8:24:20 PM
Soldier Ambient Temp		8/26/2011 8:23:45 PM	8/26/2011 8:24:05 PM
High Flow Alarm	InStep Power ColHogleyUnit 1ICT 1IFuel	8/26/2011 8:23:40 PM	8/26/2011 8:23:50 PM
High Flow Alarm	InStep Power ColHogleyUnit 2ICT 2IFuel	8/26/2011 8:23:40 PM	8/26/2011 8:23:50 PM
DuctBurner Energy Flow	InStep Power ColComiskeyUnit 1MSSG 1Ductburner	8/26/2011 8:23:40 PM	8/26/2011 8:24:00 PM
High Flow Alarm	InStep Power ColComiskeyUnit 1ICT 1IFuel	8/26/2011 8:23:38 PM	
High Flow Alarm	InStep Power ColComiskeyUnit 2ICT 2IFuel	8/26/2011 8:23:38 PM	
High Flow Alarm	InStep Power ColComiskeyUnit 2ICT 2IFuel	8/26/2011 8:23:38 PM	

Key Features

- **Powerful Event Rules** – Create these using limit or expression rules. Or leverage even more complex calculation logic, such as eDNA CalcServ.
- **Actionable Information** – Notifications include customizable information on why the event happened, how it can be resolved and what recent data trends may help quickly resolve the issue.
- **Notification Groups** – Send simultaneous notifications to multiple recipients to ensure events are not missed.
- **Auditing** – Information about events is recorded—including acknowledgements and user comments—to meet your reporting and auditing requirements.
- **Template-based Event Management** – Apply templates to similar assets to simplify the process.
- **High Availability** – In the event of an Event Scheduler failure, the event is automatically passed to another scheduler. This ensures that all events are processed. Greater value and insight into process data.

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Technical Components

- **Configure a Schedule**

Configure event evaluation schedules (once, interval, daily, weekly, monthly). Set up an interval schedule to help prevent spam. Auto-Archive functionality is also available.

- **Microsoft® Active Directory® Integration**

Active Directory integration lets you select event recipients from your existing IT infrastructure.

- **Extensible Delivery**

Integrate or create your own event workflows seamlessly, accessing event information in a text file.

- **Compatibility with other eDNA Applications**

View and acknowledge events in eDNA Web and pull up eDNA Web Trends to get to the heart of the problem.

- **Web Services Interface**

Connect to third-party applications to integrate workflows, asset management and ERP systems.

The Benefits

Smart Monitoring

Define custom rules to trigger events by using a simple, step-by-step process with no need for coding. Link the event to an eDNA CHaD instance and categorize it by type (limit rule or expression rule) for simplified configuration of like alerts. Set alarm limits, define alarm levels, configure conditions, and more.

Event Notifications

The heart of the eDNA Event Manager is a set of tools used to quickly deliver information to the right person. The user configures the tools to notify those responsible for acknowledging the alarm by email or mobile device. The user can add notes to an event and attach trends or other files to provide more context.

Actionable Information

In the eDNA Web platform, Event Manager lets users view and process events. Events can be sorted by criticality, time of alarm or whether it has been acknowledged. Located in the Event Manager, each event includes valuable insight about when and why it occurred. Once acknowledged, events can include information on how the problem was solved. The system stores this information for future analysis and reporting.

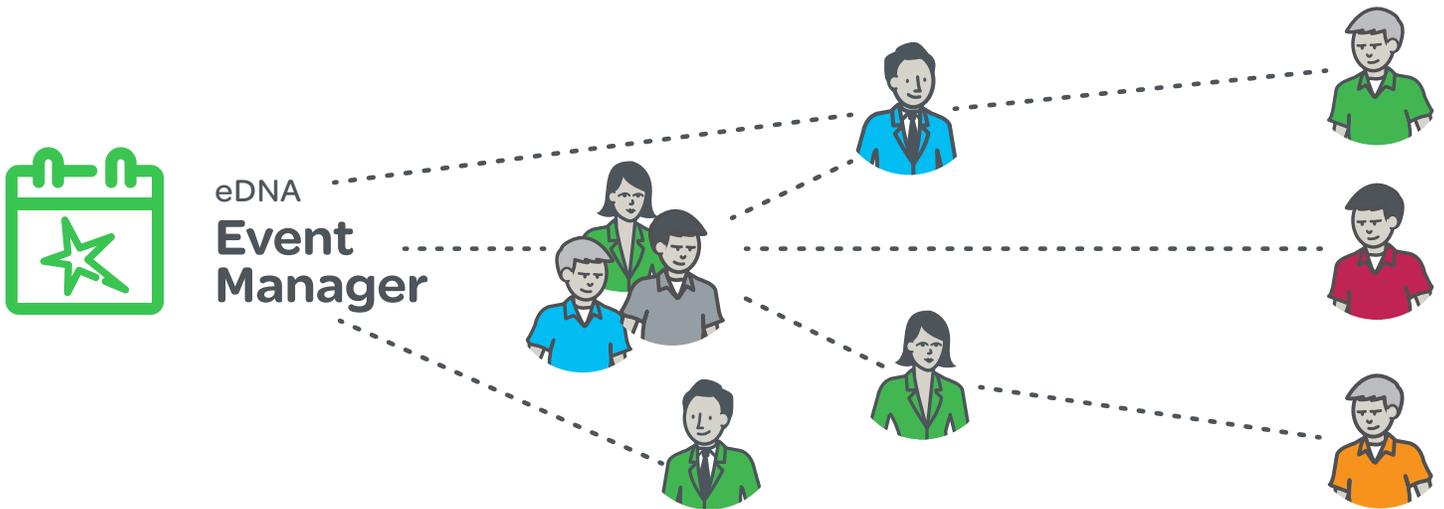
Events History			
Name:	<input type="text"/>	Current Only	Date Range: Last
Instance:	<input type="text"/>		
Name	Instance		Start Date
↑ Soldier Ambient Temp			9/26/2011 6:46:15 PM
↓ DuctBurner Energy Flow	!!InStep Power Co!Wrigley!Unit 1!HRSG 1!Ductburner		9/26/2011 6:46:05 PM
Wrigley Compressor Temp Delta			9/26/2011 6:46:05 PM
↓ High Flow Alarm	!!InStep Power Co!Wrigley!Unit 1!CT 1!Fuel		9/26/2011 6:46:02 PM
↓ High Flow Alarm	!!InStep Power Co!Wrigley!Unit 2!CT 1!Fuel		9/26/2011 6:46:02 PM
↓ High Flow Alarm	!!InStep Power Co!Wrigley!Unit 1!CT 1!Fuel		9/26/2011 6:46:01 PM
↓ High Flow Alarm	!!InStep Power Co!Wrigley!Unit 2!CT 1!Fuel		9/26/2011 6:46:01 PM

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Notification Groups

Configure Notification Groups to ensure that valuable event information reaches the right person or group of people in the organization, regardless of role changes or restructuring.



Notifications can be sent to distribution groups, department managers or direct to individuals to ensure the event is seen by the right person at the right time.