

Features

Powerful Notification Rules:

Notification rules can be created using simple comparisons, Statistical Quality Control pattern tests or user defined equations. PI Notifications can also use the results of more complex calculation logic including PI Advanced Computing Engine™ (PI ACE) and PI for StreamInsight™.

Actionable Information:

Notification content is fully customizable and can be configured to include a variety of information. For example, data values, hyperlinks, files, links to a PI WebParts™ trend and more. Notified of problems and armed with the information they need to quickly investigate the issue, your users are able respond more quickly when critical events occur.

Notification Escalation:

When a critical event occurs, you want someone to respond. An escalation hierarchy can be configured to define groups of recipients. If an alert is not acknowledged, another notification is sent to the next recipient(s) in the escalation hierarchy. This process can be repeated until the alert is acknowledged.

Excursion Auditing:

PI Notifications records the alert history, acknowledgement and user entered comments to support electronic reporting requirements.

Notification Management:

With PI Notifications templates, users define the monitoring and alerting rules once for a single asset. They can then automatically apply the template to all similar assets throughout the enterprise. This simplifies the creation and implementation of notifications.

High Availability:

If one notification scheduler fails, notifications are automatically started on a different notification scheduler. This ensures the continuous availability of the notification environment.

Business Challenge

Increasingly businesses are required to do "more with less". Businesses can generate up to thousands or even millions of important data values every day. Manually monitoring these values to detect significant events is impractical and often impossible. Events that need attention can happen at any time making it critical to alert the right people wherever they are.

PI Notifications Overview

PI Notifications™ monitors for critical events, so you don't have to. When events occur that need attention, alerts are sent to the right people wherever they are, so they can act. The notifications do not simply tell you there is a problem; information can be included to assist with finding the root cause. If a notification is not responded to, PI Notifications can send the alert to the next person in an escalation team, repeating until acknowledged.

Benefits

Intelligent Monitoring:

Define rules to determine events that should trigger a notification. PI Notifications supports everything from simple comparisons to Statistical Quality Control tests to multi-tiered logic. PI Notifications rules are created using easy to understand configuration, not coding, and can be quickly created or updated. With PI Notifications, your users can be in control of implementing their own business needs.

Extensible Delivery:

Today's workers are increasingly mobile and alerts must reach the right people wherever they are. PI Notifications alerts can be sent to your workers PCs, instant messenger and mobile devices. Users can create custom delivery channels to extend their notification delivery options.



PI Notifications alerts are delivered to the right people wherever they are.

Valuable Insights:

When and why critical events occurred and how they were solved is important and valuable information. PI Notifications stores users' comments which are saved along with the alert and alert acknowledgement. Months or years later, this captured insight can be leveraged by users for forensics, auditing, analysis and problem solving.

Technical Components

PI Asset Framework: PI Notifications is built on the PI Asset Framework™ (PI AF) providing data access to PI AF and the PI Server™ for use in notification rules. PI AF provides support for templates allowing users to define notification templates that are configured once and used many times.

Notification Scheduler: Notifications can be scheduled for periodic or event based execution. To provide redundancy and high availability, multiple schedulers can be run.

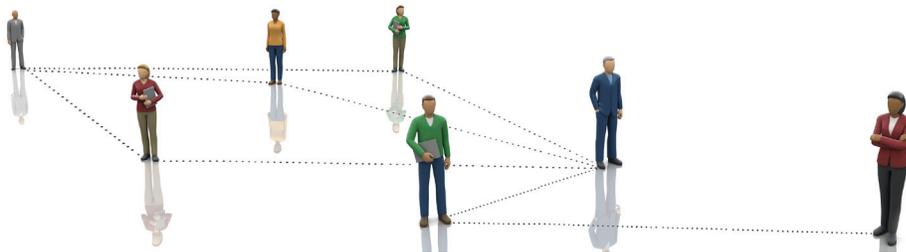
Microsoft® Active Directory® Integration: Recipients can be selected directly from Active Directory allowing integration with existing IT infrastructure.

Extensible Delivery: Custom notification delivery channels can be written in Microsoft .NET to seamlessly integrate notifications with third party applications such as workflow, ERP and asset maintenance systems.

Compatibility with PI Client Applications: The Notification Viewer Add-In, a .NET control, shows notification history, allows quick acknowledgement of notifications and enables notification related analysis in PI ProcessBook and PI DataLink.

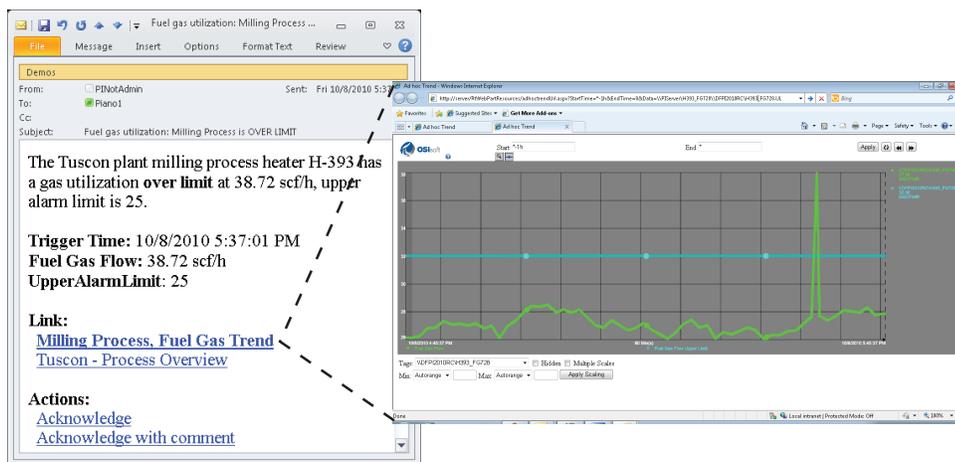
.NET Software Development Kit: PI Notifications SDK enables new .NET applications to be built on top of PI Notifications. The PI Notifications SDK includes both programmatic and user control interfaces.

Escalation Management: Critical events need to be acted upon. With PI Notifications, alerts can be escalated throughout your organization until action is taken.



Define escalation paths to ensure notifications are acted on.

On Demand Visualization: Valuable time can be lost while people try to find the information they need to investigate an alert. With PI Notifications information comes to you. Alerts can include relevant data and links to help quickly investigate the issue. Alerts can easily link to other OSIsoft visualization products including PI ProcessBook™, PI DataLink™ and PI WebParts which provides users with more in-depth detail. Armed with information, your workers can make quicker decisions.



Link directly from the notification to web visualization of the event.

About OSIsoft, LLC

OSIsoft (www.osisoft.com) delivers the PI System™, the industry standard in enterprise infrastructure, for management of real-time data and events. With installations in 110 countries spanning the globe, the PI System is used in manufacturing, energy, utilities, life sciences, data centers, facilities and the process industries. This global installed base relies upon the PI System to safeguard data and deliver enterprise-wide visibility into operational, manufacturing and business data. The PI System enables users to manage assets, mitigate risks, comply with regulations, improve processes, drive innovation, make business decisions in real-time and to identify competitive business and market opportunities. Founded in 1980, OSIsoft is headquartered in San Leandro, California, with operations worldwide and is privately held.

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