

INVENSYS ALARM MANAGEMENT

Invensys Performance Services

AVANTIS • FOXBORO • SIMSCI-ESSCOR • TRICONEX

BENEFITS

- ▶ Reduces nuisance alarms and alarm floods
- ▶ Improves operator decision support
- ▶ Reduces operator loading
- ▶ Designs and implements advanced alarming in control system
- ▶ Reduces risk of excursions, releases, shutdowns and regulatory incidents
- ▶ Increases plant utilization, productivity and profitability
- ▶ Captures knowledge of experienced personnel
- ▶ Reduces startup time for new plants and units
- ▶ Measures and monitors performance



ABOUT US

Invensys Process Systems Performance Services integrates your strategic business and technical initiatives by providing value-added implementation and support services that will improve your plant performance and operator effectiveness. Our team of professionals offers plant-wide, platform-independent solutions through a project-oriented or ongoing service delivery as well as master plan development and rollout.

Invensys Process Systems Performance Services ... improving your plant asset availability and utilization!

CHALLENGE

Managing process and system alarms is a mission-critical task that can help ensure plant profitability by avoiding abnormal situations. Ideally, a distributed control system (DCS) alarm system provides operators with the correct sequence that helps them to respond quickly and effectively to problems before they have a negative impact on the process or plant.

Two reoccurring alarm problems that occur with most computer-based control systems are the high percentage of nuisance alarms and alarm system floods. While nuisance alarms typically have no substantial impact on the plant other than wasting the operator's time, alarm system floods are typically caused by abnormal situations.

INVENSYS PROCESS SYSTEMS OFFERS EFFECTIVE ALARM MANAGEMENT WORK PROCESSES AND SOLUTIONS

Your process and operations engineers are the experts in your plant's operation while Invensys application engineers are the experts in applying effective control systems alarm management strategies. Together, we can jointly define and implement an alarm management

methodology that maximizes your plant's reliability, availability and safety. This expertise is leveraged by the power of the Invensys Alarm Monitor tool, which is a collection of powerful statistical analysis tools and utilities.

The primary goal of Invensys Alarm Management is to reduce incident risk and improve plant profitability by reducing operator overload from alarms. Our alarm management services model is implemented in a phased approach:

Alarm System Performance Study and Report

- Generate a baseline report of alarm system performance
- Establish a performance target based on best practices, as outlined by EEMUA
- Recommend alarm system improvement methodology

Alarm Performance Improvement

- Develop alarm system philosophy
- Perform alarm rationalization
- Implement alarm system changes in control system
- Implement advanced alarming in control system
- Develop HMI philosophy per the human factors engineering and design specification
- Implement HMI modifications
- Issue final report documenting the resultant alarm system performance

Life Cycle Alarm Maintenance

- Invensys field service technicians maintain alarm system performance as one of their standard site support activities via service agreement

GET MORE FROM ONE WITH INVENSYS

Invensys Alarm Management helps to improve customers' asset availability and utilization which, in turn, drives economic benefits. This solution is part of the Base Asset Management level, which includes discrete entities in lower levels of the plant, such as field instruments, pumps, motors, control loops and control systems. Invensys Alarm Management can operate as a stand-alone service or can work together with other Invensys solutions.

Invensys® Process Systems

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FOR MORE INFORMATION

Ask your Invensys sales representative how Invensys Alarm Management can improve your plant's asset availability and utilization while driving optimal ROI.

Visit www.invensys.com/ps
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