



SOLUTION SHEET

Octave Tempo Alarm Management



Key benefits

Improves operator detection and response to abnormal situations

Avoids upset conditions that may impact production

Enables immediate, significant reduction of nuisance alarms

Facilitates regulatory compliance

Simplify and optimize alarm management to increase safety, amplify operator performance and improve profitability

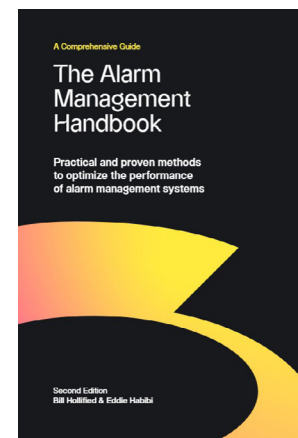
Challenge

Alarm management is a key element of managing the operational risk of every facility. Poorly performing alarm systems – plagued by alarm floods, inaccurate alarms and suppressed alarms – diminish situation awareness and negatively impact plant production and safety.

Solution

An effective alarm system optimization strategy, one that leverages a proven methodology enabled by software automation, addresses these challenges, making operators more effective during abnormal situations. Octave has defined industry best practices for effective alarm management in The Alarm Management Handbook. For more than 20 years, we have helped processing and power plants around the world optimize their alarm systems using a proven, comprehensive, seven-step methodology comprising these steps:

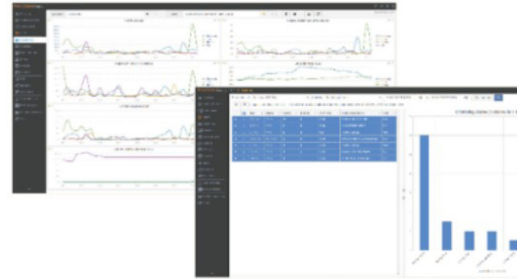
1. Alarm philosophy
2. Data collection and benchmarking
3. Bad-actor alarm resolution
4. Alarm documentation and rationalization
5. Alarm audit and enforcement
6. Real-time alarm management
7. Alarm system control and maintenance



Our leadership and extensive experience have produced the industry's most widely accepted alarm management software, Octave Tempo Alarm Management (formerly PAS AlarmManagement). Tempo Alarm Management helps you implement industry-wide best practices to optimize alarm systems, improve operator effectiveness and achieve compliance.

Improved operator situation awareness

With Tempo Alarm Management you gain critical insights into the performance of your alarm systems. All the elements that plague poorly performing alarm systems - alarm floods, chattering alarms and other bad actors - become easy to identify and fix. By reducing the noise of your alarm system, you increase the visibility of your alarms and increase operator trust in notifications and responsiveness.



Tempo Alarm Management includes:

- **Alarm and event analysis:** Captures and analyzes alarms, events, operator interventions, system logs and parameter changes. The alarm mechanic feature calculates settings to reduce nuisance alarms.
- **Documentation and rationalization:** Facilitates sessions to engineer alarms and capture the information on setpoints, priorities, severities, causes, consequences and corrective actions in a master alarm database. Flexible query builder supports operational excellence and Industrie 4.0 applications.
- **Audit and enforce:** Enables real-time notification and captures changes, audit reporting and configurable enforcement of alarm setting changes.
- **Alert director:** Provides notifications in real-time based on configurable triggers.
- **Dynamic alarming:** Modifies engineered alarms based on current operating state, temporarily disables nuisance alarms and generates reports to facilitate corrective actions.

Comprehensive operations risk management

Tempo Alarm Management is part of Octave Tempo Control System Effectiveness (formerly PAS PlantState Integrity), which provides a single platform to deliver unique insights into process safety risk. The solution uses a single data capture layer to monitor the performance of control loops, operational limits and independent protection layers (IPL). By combining these metrics into a single pane of glass along with exception-based reporting, Tempo Control System Effectiveness provides actionable insights to ensure companies operate their facilities effectively while improving safety and environmental performance. To learn more about Tempo Alarm Management or Tempo Control System Effectiveness, please visit octave.com



About Octave

Octave is a leader in enterprise software, turning data into decisive action and intelligence into your edge. Our software solves for and simplifies complexity, from the design and build to operations and protection of people, property, and assets— for any scope, at any scale. For decades, we've partnered with customers to sharpen performance, elevate efficiency, and amplify results. From factory floors to entire cities, our solutions are tuned to scale up what's possible from day one onward.

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