



Why Alarm Management?

1. Improve Operational Performance
2. Enhance Product Quality and Consistency
3. Comply with Applicable Best Practices, Standards and Regulations
4. Reduce Maintenance Costs
5. Lower Incident Risk
6. Enable Employee Efficiencies

TiPS has a proven history of helping clients better manage alarms and achieve these benefits. We provide flexible, proven alarm management solutions required by the diverse process operations of our customers.

At TiPS, we simplify alarm management by:

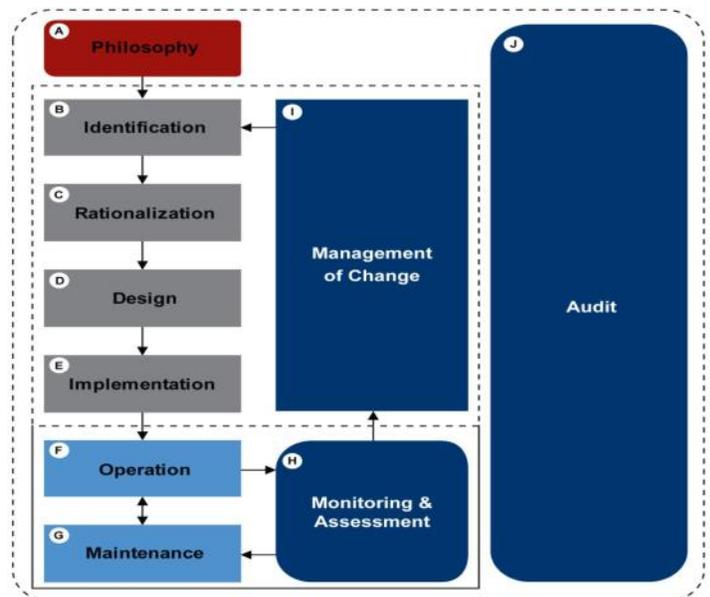
- Employing extensive connectivity options to a wide array of control systems and other equipment
- Providing powerful out-of-the-box analysis tools and reports with easy-to-use customization features
- Using an adaptive services model that is based on each customer's individual needs
- Leveraging industry recognized Subject Matter Experts (SME's) to provide best-in-class services

About Us

TiPS has been known as the Alarm Management Company since first introducing our LogMate alarm management software solution in 1990. Over time, our solutions have continued evolving to fully address the ANSI/ISA 18.2

Standard Alarm Management Lifecycle Stages. Whether you need alarm management software or services, we can help address your need.

We believe that alarm management is not about any single aspect of the lifecycle but instead requires tools, documentation and support for all of the components on an ongoing basis. That is why alarm management is not just one of the things we do, it is our focus! Contact us at sales@tipsweb.com or call us at (512) 863-3653 to learn more about our alarm management solutions.

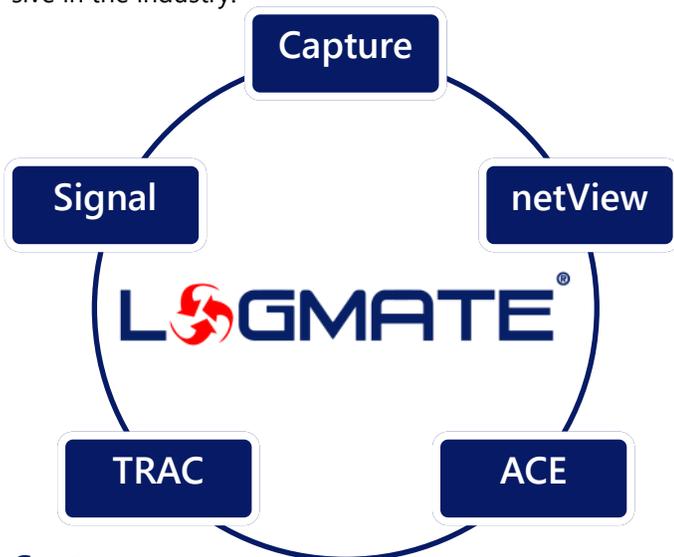


TiPS supports key activities defined by ISA 18.2 Alarm Management Lifecycle Stages.

LogMate is an integrated alarm management software solution with a complete set of tools for comprehensive alarm management functions. Key modular functionality within LogMate includes:

- Data Connectivity, Collection and Processing
- Alarm and Configuration Analysis
- Rationalization/System Design
- KPI and Alarm Performance Trending and Reporting
- Management of Change Auditing Safeguard
- Operating Notes/Action Logbook
- Automated Event Notification Management

LogMate provides a tremendous amount of architecture flexibility and can be easily configured for a single user system or an enterprise solution as needed. The TIPS control system connectivity portfolio is also among the most extensive in the industry.



Capture

Capture can be thought of as the gathering and processing system within LogMate. The Capture module collects alarm and event data through a variety of connections to a multitude of systems and then processes that information into a consolidated database.

netView

netView is an open web browser visualization tool for grid style monitoring of alarm and event data. The netView module allows users to quickly search, filter, and view alarm and event information.

ACE

The Alarm Configuration Expert (ACE) is an advanced alarm visualization and analysis tool. The ACE module is used to perform a number of functions:

- analyzing configured alarms and alarm activity
- alarm rationalization and documentation, and
- Management of Change and auditing.

ACE has a library of predefined alarm activity analysis categories based on industry standards such as frequency, duration, chattering, flood, nuisance, alarm state and related alarms. Configuration of user preferences for these analysis types is easy and straightforward, speeding time to meaningful analysis.

TRAC

TRAC is a powerful KPI generator with an integrated graphics engine and flexible trending visualization tool. Use TRAC to specify, calculate and track critical alarm performance metrics. TRAC also enables consolidated trending of process data with alarm and event information improving troubleshooting and forensic analysis.

Signal

Signal is a real-time logical event detection and notification system. The Signal module provides users with the ability to monitor alarms, events and messages for predefined conditions and then take designated actions such as sending an email or other notification to appropriate personnel.



Flexible Alarm Management Services

TiPS has developed an extensive service offering that complements our software suite and expands our ability to address all aspects of effective alarm management programs for our customers.

At TiPS, we believe that services should not be an “all or nothing” or “one size fits all” proposition. We take the time to understand your specific circumstances and propose a service solution that delivers optimal value for your specific needs.

Subject Matter Expertise

TiPS engages industry-recognized Subject Matter Experts (SMEs) as partners in some of these areas to provide the best possible solution for our customers. Our SMEs are involved in developing best practice guidelines and standards, as well as writing thought leadership articles and books. They understand how to practically apply best practices within industry-specific operations to help optimize alarm management and situational awareness programs.

Software Installation and Training

TiPS provides LogMate software installation, configuration and training services designed to get you connected, collecting data and leveraging the benefits of LogMate as quickly as possible. We configure filters and views to get you started. We also provide user and administrative training enabling you to maximize the alarm information benefits and effectively maintain your LogMate system.

Alarm Philosophy Development

Good Alarm Philosophy Documents (APDs) are the foundation of an effective alarm management program. Across industries we see APDs in various stages of completeness. As a result we have created several alarm philosophy services to meet diverse needs. If you are starting from scratch we can develop a comprehensive APD. If you have an APD,

but aren't sure where it fits with recommended best practices and standards, we can provide an APD gap assessment. If you want to develop your own APD, we offer an APD workshop that guides you through the development process.

Alarm Rationalization

Alarm rationalization is a critical step in the alarm management lifecycle. Whether you are using a “starting from zero” approach or a “starting from where you are” strategy, TiPS provides a rationalization workshop to help you get started. An expert resource will guide you through the alarm rationalization process and you will begin rationalizing your alarms. An alternate approach is to use our alarm rationalization consulting services which give you access to a rationalization SME to review your rationalization process and results, or answer questions as you go through the rationalization process.

TiPS Services





Diverse Industry Knowledge & Experience

Industries We Serve

Alarm management challenges across industries have many similarities, but also have unique requirements. TiPS leverages the knowledge gained through our diverse industry experience to deliver world class alarm management solutions across process industries.

Pipeline

The Pipeline and Hazardous Materials Safety Administration (PHMSA) 49CFR Parts 192 and 195 require pipeline companies to comply with control room management and human factors regulations including alarm management. TiPS is the industry leader in helping pipeline companies address these requirements and reduce the alarm management workload on pipeline controllers.

Pharmaceuticals

Alarm management is vital for effectively tracking Critical Process Parameters (CPPs) as part of cGMP. TiPS understands the challenges of a regulated environment and we work to simplify compliance for our customers. For example, our technology supports 21 CFR Part 11 compliance requirements and we work with you to help support validation responsibilities.

Chemicals

TiPS started our business in the chemical industry and continues to provide alarm management solutions to support bulk chemical, specialty chemical and polymer companies.

Oil and Gas

Our Oil and Gas industry expertise includes upstream, mid-stream and downstream applications. Our definition of Oil and Gas upstream industry includes both onshore and offshore drilling and production operations. We have LogMate customers in each of these areas and work with individual clients to understand and meet their specific requirements. For instance, we understand that the offshore industry has unique communication challenges and we are experienced at evaluating requirements and recommending the best technical solution.

Power

Many of our earliest customers were from the power industry. Whether you are a coal-fired steam turbine plant, a hydro-electric facility, or a renewable power company, our alarm management solutions can help identify and eliminate troublesome alarms.

Others

We have many other industries with active LogMate installations that we support such as:

- Metals, Mining, and Cement
- Food and Beverage
- Pulp and Paper

We also continue to expand our industry expertise so we can deliver effective alarm management solutions wherever they are needed.





One Source for Optimizing Alarms & Improving Results



Alarm Management information for diverse users.

Summary

When alarm management is designed and implemented properly, our customers realize many benefits. Beyond compliance with applicable standards and regulations, common benefits include:

- Improved Operational Performance
- Enhanced Product Quality and Consistency
- Reduced Maintenance Costs
- Incident Risk Reduction and Avoidance
- Employee Efficiency Gains

We have helped enable these and many other benefits across industries when companies focus on the alarm management lifecycle using TiPS products and services.

Why TiPS?

The effectiveness of our solutions is best proven by our rich 30 year history. We have continued to expand the capabilities of our software and the alarm management

related services we provide to meet evolving process industry needs.

What are some other factors that make us unique?

- Leadership Participation in Alarm Standards Committees
- Dedicated Alarm Management Focus
- Comprehensive Alarm Management Software Solutions
- Adaptable Services Model
- Flexible and Extensive Software Connectivity Portfolio
- Broad Industry Experience
- An Established Team of Subject Matter Experts

Check out TiPS' Alarm Management Lifecycle series:

<https://tipsweb.com/alarm-management-lifecycle/>

Contact Us

Please visit our website at www.tipsweb.com for additional information regarding our alarm management solutions

To have an actual discussion of alarm management with TiPS, whether it be in the early investigative stages or a revamp of existing methods, contact us at:

sales@tipsweb.com

(512) 863-3653