

AlarmInsight

Take control of alarm chaos safely and efficiently

A well-designed and well-operated alarm system is essential to a safe, efficient operation. However, alarm systems are often not configured optimally. This can lead to a high number of nuisance alarms and result in an increased workload for the control room operator. When alarms do not draw attention to what should have been top priority, catastrophe can strike. AlarmInsight® enables operators to effectively respond to process disturbances by helping make sense of alarms.

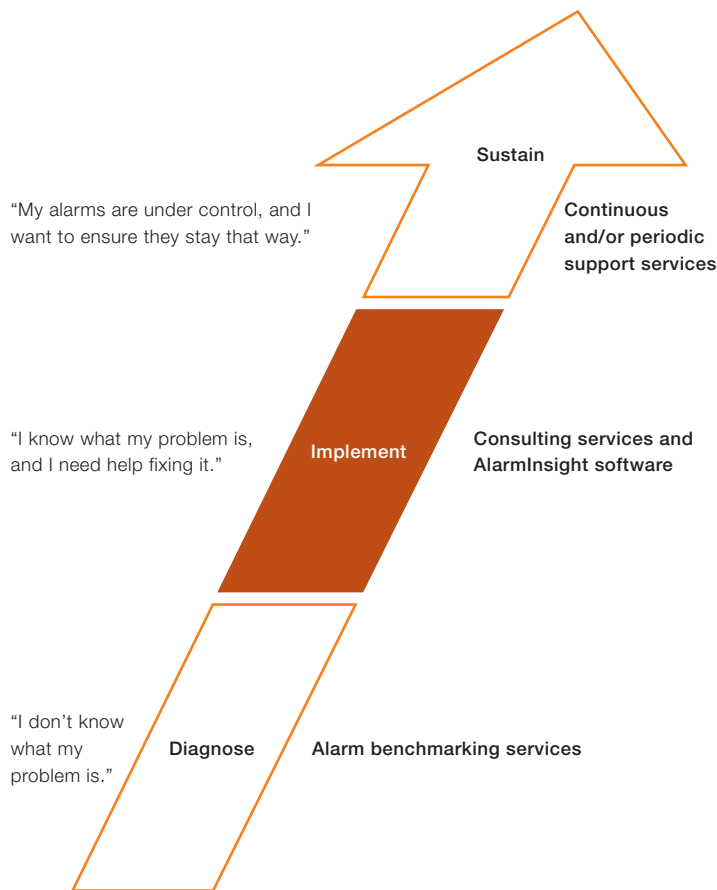


Figure 1: AlarmInsight is part of the ABB comprehensive lifecycle approach to alarm management. ABB consulting services and software can help you develop, implement or improve your alarm strategy.

AlarmInsight: The cornerstone of your complete solution set for alarm lifecycle management

Information overload can make operator rooms unmanageable and chaotic, creating an environment of stressed operators, ignored alarms and unsafe conditions.

AlarmInsight provides scalable software applications that empower operators to make decisions in high-intensity situations. By helping to document, rationalize and maintain appropriate alarm levels, operators focus on the alarms that require attention and can respond accordingly with the appropriate corrective actions.

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Benefits:

- Improved safety and environmental performance
- Increased production and equipment availability
- Smoother start up and shutdown
- Reduced operator stress
- Increased operational efficiency
- Improved operator confidence
- Ensured compliance with industry standards and best practices

Features: available software applications

Alarm monitoring and analysis

- Generate KPI reports automatically – daily, weekly or monthly
- Generate and analyze reports through customized filters
- Capture event logs
- Determine root cause and sequence of events
- Support ongoing improvements with deep-dive analysis tools

Alarm management

- Rationalize and prioritize alarms
- Optimize alarm settings and operator response texts
- Track changes to alarms that occur during operations
- Monitor changes to alarm attributes / values in the DCS

Real-time information

- Inform operators on how to respond to alarms and avoid production interruptions
- Collect feedback from operators for continuous improvement

Compliance to standards

Government regulations as well as internal company alarm philosophies often require documentation on current alarm system status and alarm system design. AlarmInsight generates mandatory reports, is compliant with ISA 18.2 and adheres to the EEMUA 191 guidelines.

Why choose ABB for alarm lifecycle management?

AlarmInsight is one piece of a comprehensive package. No matter the status of an alarm strategy, ABB can determine where to start by pinpointing problem areas with benchmarking services. Or, if customers already know where their alarm system needs improvement, ABB can enable confident operators with software, training or consulting services that reduce alarm rates and prioritize alarms. If alarms are under control, ABB can ensure they stay that way with ongoing services and support. Contact your ABB representative for more information.

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