Safety System Audits

Is Your Facility Still Operating Safely and Reliably?

Audit your safety system for improved performance. Honeywell provides the expertise and experience to audit your safety instrumented system to ensure it is still operating as required and as expected. A safety system audit can help identify necessary maintenance and updates, avoid costly downtime, improve plant performance and extend the operating life of your system.
Why is an Audit Important?
During the last decades, the process industries have made tremendous investments in safety instrumented systems (SIS) to protect people, the environment and process equipment. These systems require careful preventive and corrective maintenance to ensure the expected level of safety is realized and maintained. To stay competitive and continue to retain regulatory compliance, operators must assess older systems to ensure they are still operating as required and at peak efficiency.

Experience has continuously shown that a poorly maintained safety instrumented system, or a system with insufficient safety integrity, can be costly. Minimizing spurious trips can significantly increase process availability. By optimizing SIS lifecycle performance, process safety and availability, Honeywell can help to:

• Reduce interruptions and upsets to increase process uptime
• Maximize effective and efficient utilization of safety assets while improving SIS integrity and availability
• Decrease testing and maintenance
• Empower operators with actionable and reliable data and safety knowledge

Framework of a Safety Audit
A safety audit should assess whether a site has harnessed its respective technology appropriately in providing a truly effective operating environment. It should consider:

• Overall hardware condition
• Configuration safety and availability checks
• Critical software update checks
• Analyze actual and historical diagnostics

Trust Honeywell’s Safety System Expertise and Experience
Honeywell Process Solutions has a longstanding and reliable reputation delivering industrial process control and safety systems. To realize maximum production and optimal safety levels, Honeywell helps customers implement automation and safety systems, and offers services and expertise to assess hazards and risks, define safety requirements and deliver tools to measure, analyze and optimize these systems.

Honeywell’s service offerings go beyond supplying hardware and software, establishing a unique safety knowledge community located in our expertise centers around the world. More than 200 certified safety engineers in these centers offer a wide range of consulting, project, and lifecycle support services. As a result, Honeywell is a qualified and dedicated partner for sound safety solutions in all phases of the lifecycle – from the definition and conceptual design phase, throughout implementation, and during plant operation and automation.

Managing SIS Health Reduces Downtime and Improves Availability

Poor preventive and corrective maintenance is a primary cause for spurious trips and unscheduled downtime:

• In North America, loss is estimated at $20 billion, or almost 5% of total production per year

• Unscheduled downtime is the largest single factor eroding plant performance

 Unscheduled downtime can result in lost performance and increased expenses:

• 3-15% lost performance due to asset unavailability and incidents
• 20% of incidents are caused by maintenance and testing errors
• 15% of SIS expenses involve maintenance

For More Information
To learn more about Honeywell safety systems, visit www.honeywell.com/ps.
To schedule an audit contact one of the Centers of Excellence for Safety Systems:

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