IMS SIS
Tempo Safety System Performance

The solution for managing end-to-end independent protection layer (IPL) lifecycle in compliance with International Electrotechnical Commission (IEC) 61508/61511. Gain insight into risk and make more informed decisions through data-driven analysis.

Cenosco IMS SIS offers hazard and operability (HAZOP), layers of protection analysis (LOPA) and safety instrumented function (SIF) design verification modules that can be used as stand-alone modules or fully integrated with data linking and syncing between those modules. IMS SIS gives users a greater sense of control over the SIS lifecycle activities they are involved in while simultaneously saving time.

Octave Tempo Safety System Performance (formerly PAS IPL Assurance), part of the Octave Tempo Control System Effectiveness (formerly PAS PlantState Integrity) platform provides insight into the operational performance of IPLs by measuring and tracking demands, bypasses, sensors and element faults. Understand leading indicators and address weaknesses before they escalate.

With IMS SIS you can:

- Create your own HAZOP and LOPA documents to perform your HAZOP and LOPA studies
- Integrate existing HAZOP and LOPA documents into your site database by importing them
- Build your SIF designs and perform design verification calculations to determine the required testing intervals for your SIF equipment

With Tempo Safety System Performance you can:

- Automate collection and categorization of demand, bypass and sensor data
- Track, analyze and understand bypasses
- Analyze performance of inputs, functions and elements
- Take test credit for successful demands

Integrated systems benefits

- Automatic processing, metrics and reporting for demands, bypasses and instrument failures
- Evaluate performance against the design assumptions including demand rates, failure rates and trends of performance over time
- Identify discrepancies by sharing data between Tempo Safety System Performance and IMS SIS to note deviations or potential problem spots between assumed and actual performance
- Identify bad actor protective layers that require review of LOPA outcome including SIFs, elements, alarms, control loops and other safeguards
- Gain visibility through comprehensive performance dashboards that highlight areas of elevated risk and opportunities for improvements with the greatest return

Learn more about:

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