



Success Story:

SIS-TECH delivers a Diamond-SIS in (1) week.

SIS-TECH delivered a SIL rated Diamond-SIS in 7 days.

First quarter 2013 - Pete Fuller, Applications Advisor with SIS-TECH, received notice from a customer in the Oil & Gas industry that their site was in need of a Safety Instrumented System (SIS) for a barge loading operation with a very aggressive delivery date.

SIS-TECH notified the client that a SIL rated Diamond-SIS could be delivered in 7 days. The response from customer was "Let's do it!" The start time was Friday afternoon.

SIS-TECH completed the design and had the drawings ready for delivery and approvals on Monday morning. To expedite delivery, the client opted to waive the witnessed factory acceptance test (FAT) and opted for SIS-TECH to perform an internal quality control (QC) check and internal FAT. The Safety Requirement Specification (SRS) was completed Wednesday; the User's Manual was assembled on Thursday; and everything, including the panel, was delivered via "Hot Shot" to the gulf coast site on Friday. A SIS-TECH Automation Technical Specialist arrived at the plant site the following Wednesday morning to commission the SIS panel and execute the site acceptance test (SAT).

The scope of work:

Procurement, design, panel integration, internal FAT, onsite commissioning, and complete documentation package including Safety Requirement Specification (SRS).

The expedited delivery was completed in (1) week.

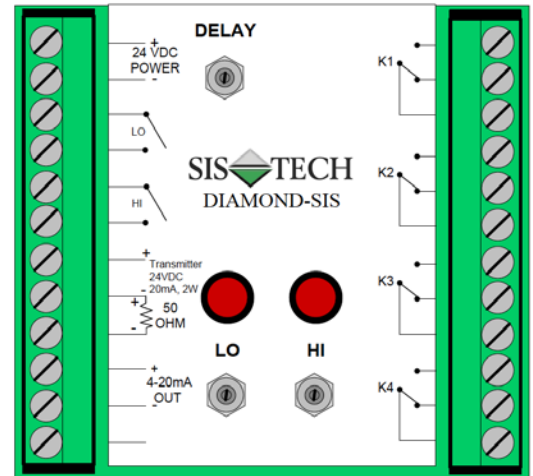
The benefits of the Diamond-SIS:

- Prompt project execution met the end user's critical timeline
- SIS-TECH personnel drove the project with minimal time commitment from customer site.
- Small footprint and rugged design enabled the enclosure to be mounted in the field without the requirement of purge or cooling, reducing installation cost.
- Proper design SIS with complete ISA compliant documentation ensures future needs are addressed.

The **DIAMOND-SIS®** is a simple, intuitive non-programmable logic solver for process industry applications.

The DIAMOND-SIS® requires no software or programming. It provides high integrity and process reliability, and it meets the fault tolerance and PFDavg requirements of any application. The modular design supports any configuration. Single (1oo1) is rated for SIL 2, dual (1oo2), and triplicated configurations (2oo3) are SIL 3.

The DIAMOND-SIS® is rated for -30C to +75C and constructed using Class I Div II components; it can be installed in the field in the harshest conditions.



Applications:

- Automatic Independent Backup (AIB)
- Automated Overfill Protection System
- High Integrity Protection System (HIPS)
- Heater or Boiler Protection System
- Coker De-heading & Switching
- Flare Load Mitigation
- Pipeline Over-Pressure Protection
- Vessel Over-Pressure Protection
- Quench Water System
- Low Flow Protection



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We're Proven-In-Use

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