

125
YEARS



HAZARD AND OPERABILITY

HAZOP & SIL

SAFETY INTEGRITY LEVEL

ANALYSIS

Sargent & Lundy ^{LLC}

Sargent & Lundy has provided comprehensive development, permitting, high-level consulting, engineering, design, procurement, construction management, and commissioning services for electric power generation and power delivery projects—1,581 clients in 92 countries—since 1891. We are dedicated exclusively to the power industry and are one of the oldest, largest, and most experienced power generation engineering companies in the U.S. headquartered in Chicago with regional U.S. offices, S&L also has operations in Toronto, Canada, and Abu Dhabi, U.A.E.

COMPLETE HAZOP SERVICES

- Planning
- Facilitation
- Scribing
- Complete power plant detailed design, which allows for a comprehensive understanding of systems being evaluated within the HAZOP analysis
- All engineering disciplines applicable to HAZOP studies available from S&L in-house staff of engineers (i.e., mechanical, electrical, and I&C)
- HAZOP reporting and follow-up

COMPLETE SIL SERVICES

- Evaluation of hazards and risks via Layer of Protection Analysis (LOPA)
- Design of Safety Instrumented System (SIS) to meet required SIL
- Analysis of SIS to verify SIL is achieved

WHY CLIENTS CHOOSE SARGENT & LUNDY

Sargent & Lundy delivers proven, effective, and knowledgeable support to our clients for the following phases of the HAZOP analysis:

- HAZOP and SIL Planning
- HAZOP Execution
- HAZOP Follow-up
- SIL Determination and Verification

We know how energy systems work because we design power plants and provide complete operations, maintenance, and plant engineering support for them.

Our engineers are experienced in HAZOP and SIL analyses—specifically for the power industry. The full breadth of our knowledge in power plant design generates meaningful, beneficial, and comprehensive analyses.

- Proven service
- Verifiable quality
- Long history of meeting and exceeding clients' needs and expectations
- Unmatched technical depth—full access to technical specialists
- Immediate response to client requests and issues

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