



Sargent & Lundy

Process Hazard Analysis

AREAS OF EXPERTISE

- HAZOP Planning & Scoping (HAZID)
- HAZOP Execution
- HAZOP Follow-Up
- SIL Planning
- SIL Determination & Verification

CONTACT

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Our engineers are experienced in conducting hazard identification (HAZID), hazard and operability (HAZOP), and safety integrity level (SIL) analyses for the power industry. In addition to power, our experience also extends to industrial systems/processes. Our full breadth of knowledge in power plant design generates comprehensive, meaningful, and beneficial analyses.

Complete HAZOP Services

- Planning & Scoping
- Facilitation
- Record-keeping
- Reporting

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

We know how energy systems work because we design power plants and provide complete operations, maintenance, and plant engineering support for them. Our comprehensive experience with power and industrial design provides for a thorough understanding of the systems evaluated within HAZOP and SIL analyses.

We offer clients:

- Proven service with verifiable quality
- A long history of meeting and exceeding clients' needs and expectations
- Unmatched technical depth using a multi-discipline engineering approach with full access to technical specialists (e.g., mechanical, electrical, I&C)
- Immediate response to client requests and issues
- Assistance with resolving recommendations