



**SIEMENS**



**Totally Integrated Automation**

# Siemens Risk Assessment (SIRA)

**“Support Throughout the Entire Machine Safety Lifecycle”**

Working with the demands and specifications of its customers, Siemens Industry, Inc. in the U.S. is strengthening the collaboration with its Safety Partners to offer Safety & Risk Assessment programs, as a service to meet individualized customer needs. This unique service helps customers identify safety issues in their facilities by identifying potential safety hazards or compliance issues that may result in injuries or OSHA citations.

OSHA’s General Duty Clause requires every employer to provide a safe working environment for all employees.

In addition, most of the new machine standards in North America and Europe, state that the risk assessment shall be done. For example NFPA 79 – 2012, Clause 4.1 states that the risks associated with the hazards relevant to the

electrical equipment shall be assessed as part of the overall requirements for risk assessment of the machine. The risks associated with the hazards identified by the risk assessment shall be reduced such that the safety performance determined by the risk assessment is met.

In this service, these assessments will identify hazards not previously considered, particularly those associated with maintenance activities, teamwork activities, troubleshooting activities, and general access to equipment. The Safety Partner consultant who conducts either of the assessments is an expert in understanding industry practices, OSHA regulations, UL standards, ANSI requirements, and other applicable standards. The Safety Partner consultant will have considerable knowledge of equipment and manufacturing processes.

[usa.siemens.com/safety](http://usa.siemens.com/safety)

## Why Do You Need An Assessment?

OSHA's General Duty Clause requires every employer to provide a safe working environment for all employees.

A safety assessment is the first step to reducing risk to a tolerable level. This assessment examines the selected equipment and processes by evaluating possible hazards of the operations that are measured against the real risks to employees, contractors, visitors, and third-parties who come into contact or are exposed to the equipment. Every business has legal requirements to safeguard its employees.

The savings from this program are exponential:

- Avoidance of OSHA fines
- Hazard identification
- Areas of mitigation
- Written report and automation solution recommendations



Please use reference code: "SIRA" for all correspondence and calls and to inquire about the special price offer for the Safety Assessments.

## Safety Assessment versus Risk Assessment?

### Safety Assessment Description:

- Available within continental US.
- Optional verbal or written report.
- High level identification of potential hazards.
- Lacks full detailed hazard analysis as performed in a Risk Assessment.
- Cost – a flat fee of \$3,500.

### Risk Assessment Description:

- Available within continental US.
- Full detailed written hazard analysis with recommendations for risk reduction referencing safety standards and OSHA regulations.
- Cost – variable based on size, scope, and travel. General range is typically \$5,000 to \$10,000 per machine.

## E.g. – The Total Cost of Work Place Injuries

### Direct Costs of Workplace Injuries

- Lost compensation payments
- Medical and insurance fees
- OSHA fines

### Lost Revenue

- Lost production revenue
- Downtime and repairs
- Training temporary employees

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