

RISK ASSESSMENT SERVICE

EVALUATING AND DETERMINING YOUR RISKS WITH SICK SAFETY EXPERTS

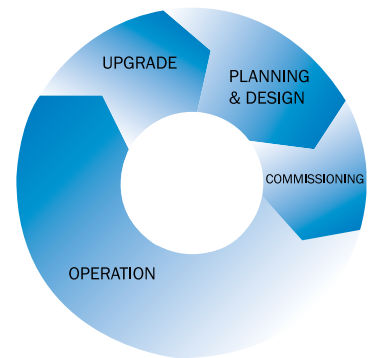
SICK
Sensor Intelligence.

Risk Assessment – on the way to a new safety culture



Safety has a high value – it serves to protect people.

Employees responsible for safety are faced with complex laws, regulations, labeling measures and guidelines, making it difficult to remember the minute details. This is where the safety experts at SICK come in. SICK invests in training, certifications and education to keep our safety experts up to date on the latest standards and regulations, as well as new safety technology on the horizon. We sort through the complex, often difficult to understand requirements to make it easier for you.



SERVICES FOR COMPLETE LIFE CYCLE

For the entire machine life cycle, from planning to commissioning and operation to safety-related modifications, SICK safety experts recommend solutions that protect people and machines from dangerous environments.

BASIS FOR THE DECISION

For the final assessment, we consider:

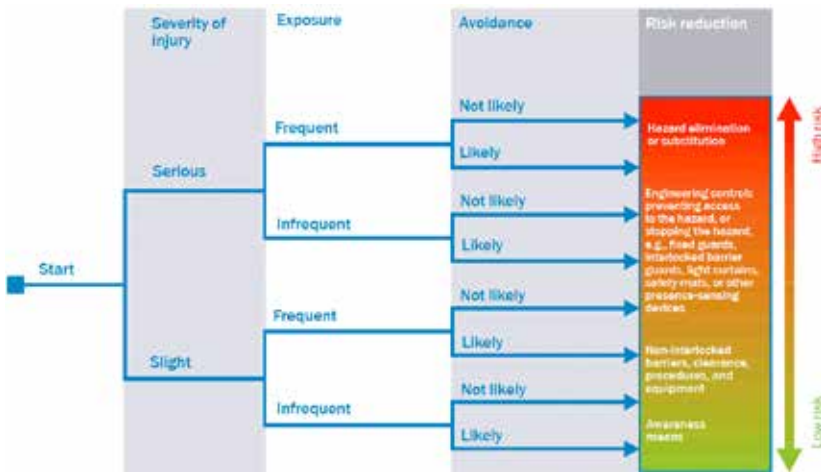
- The integrity of the protection systems
- The priority of the machines
- Organizational measures

RESULT: TANGIBLE ACTIONS

The advantage of this simple approach: For a reasonable cost, you are given the planning resources for internal organization and for collaboration with supervisory bodies. Tangible actions for future safety strategies can be derived from this.



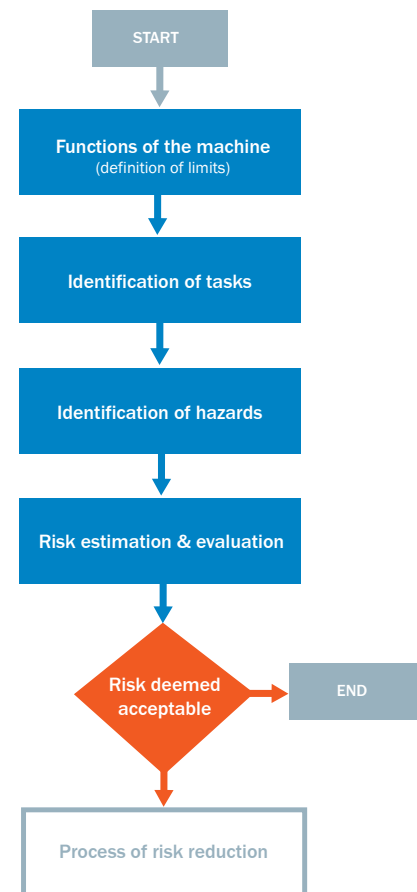
During a Machine Guarding Risk Assessment, a SICK-certified Safety Applications Specialist will analyze and evaluate the hazards and risks associated with machine operation using a proven, task-based methodology in accordance with ANSI B11.0:2010, ISO 12100 and/or a corporate risk assessment process.



Risk Assessment Chart

When designing or using a machine, the potential risks must be assessed and evaluated. Where necessary, additional protective measures must be implemented to protect operators and other individuals from hazards. A risk assessment is a sequence of logical steps based on the systematic analysis and evaluation of risks.

The machine shall be designed and used according to the results of the risk assessment. Where necessary, risk reduction follows a risk assessment by applying suitable protective measures.



This methodology will identify the potential hazards associated with a machine or group of machines and quantify the associated risk by:

- Identifying hazards for a machine work cell or production line during setup, operation, maintenance and cleaning
- Evaluating and categorizing all safety-related parts of the control system
- Assessing circuit architecture and guarding (controls, hard guards)

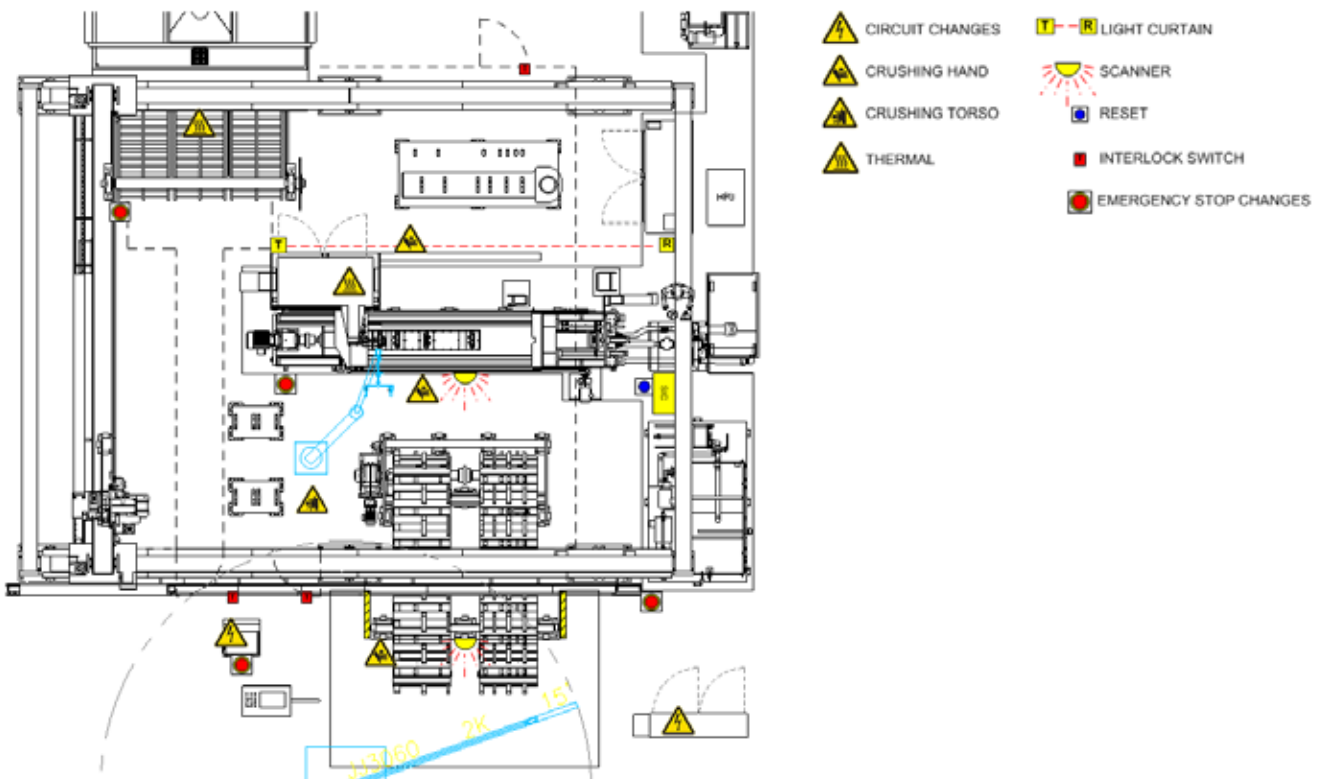
Risk Assessment Tools

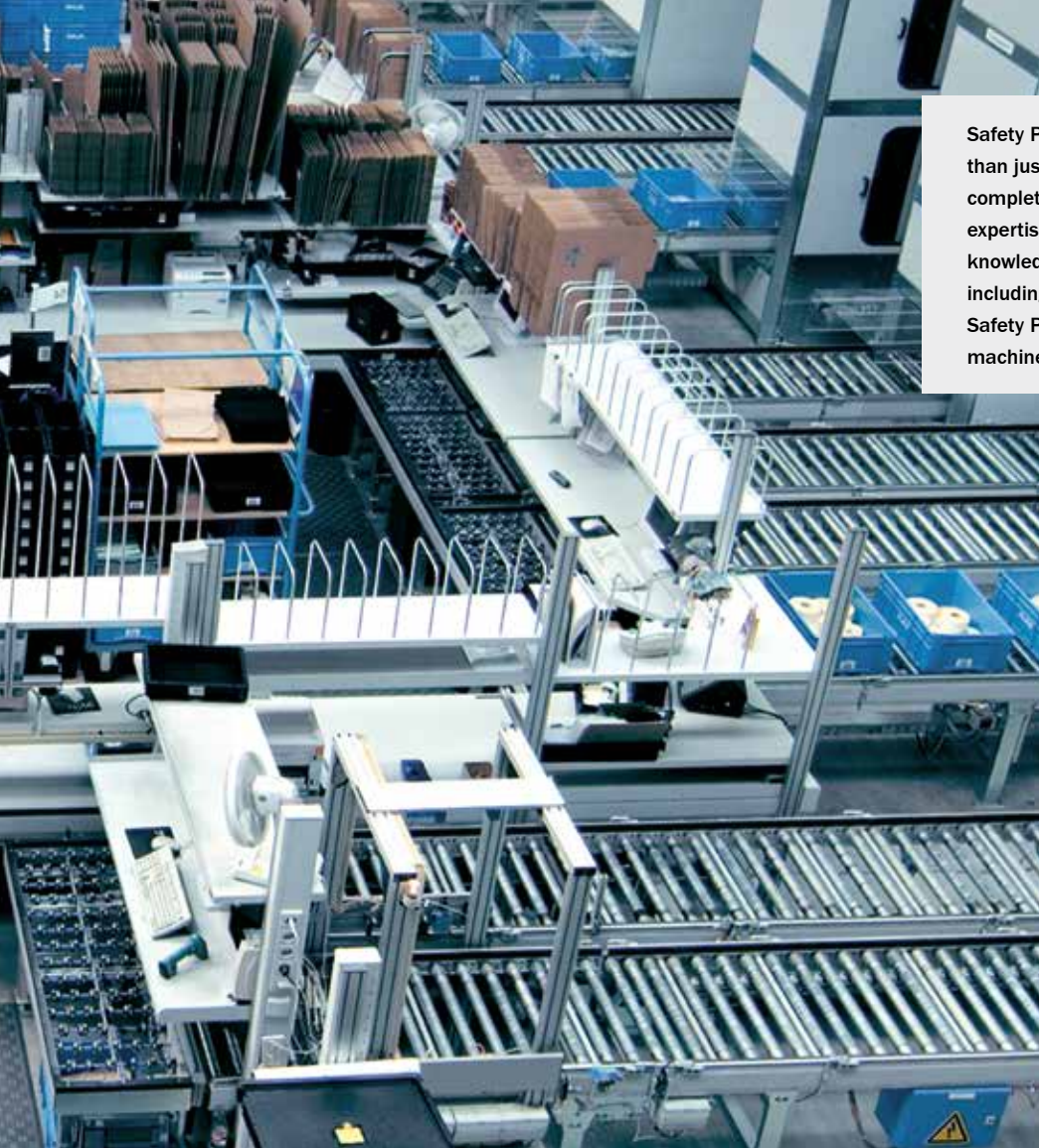
Risk Assessment Report

Upon completion of the Machine Guarding Risk Assessment, you will receive a comprehensive Risk Assessment Report that includes:

- Scope of risk assessment, machine overview and functional description, documented methodology, participants/interviewees
- List of assumptions and/or notes made by the risk assessment team during the process
- Tasks and hazards lists based on human interaction with a machine, and associated risk score category assigned per hazard
- Proposed solutions and risk reduction strategy to be implemented to achieve necessary compliance
- PLr/SIL level required for all safety-related parts of the control system in the proposed solution
- Estimated residual risk rating

An overview drawing of the machine and/or process line is included to visually represent the proposed risk reduction strategy.





Safety Plus means that SICK offers more than just safety components. SICK offers a complete solution, including vast standards expertise, 60 years of global application knowledge, a range of safety services, including risk assessments, and much more. Safety Plus - everything you need for machine safety.



Benefits of SICK LifeTime Services

Our services are a natural extension of the high-quality products we offer. They ensure reliable and safe performance over the lifetime of the product and machine. They not only protect your initial investment, but also protect your operations and processes from costly downtime and expense, and ensure longer asset life and usefulness. Our staff of professionals are trained to provide the highest level of support and are there when you need them most. Among the many benefits of using SICK's LifeTime Services are:

- Identification of risk to eliminate potentially costly hazards
- Improved solution performance to maximize return on investment
- Rapid response to quickly resolve problems
- Higher productivity and throughput for more cost-effective operations
- Structured responses and predictable resolution planning
- Documentation for more accurate record keeping and future reference
- Better supplier relationships

SICK AT A GLANCE

SICK is a leading manufacturer of intelligent sensors and sensor solutions for factory, logistics, and process automation. With more than 6,000 employees and over 40 subsidiaries worldwide, we are always close to our customers. A unique range of products and services creates the perfect basis for controlling processes securely and efficiently, protecting individuals from accidents and preventing damage to the environment.

We have extensive experience in various industries and understand their processes and requirements. With intelligent sensors, we can deliver exactly what our customers need. In application centers in Europe, Asia and North America, system solutions are tested and optimized in accordance with customer specifications. All this makes us a reliable supplier and development partner.

Comprehensive services round out our offering: SICK LifeTime Services provide support throughout the machine life cycle and ensure safety and productivity.

For us, that is “Sensor Intelligence.”

Worldwide presence:

Australia, Belgium/Luxembourg, Brasil, Česká Republika, Canada, China, Danmark, Deutschland, España, France, Great Britain, India, Israel, Italia, Japan, México, Nederland, Norge, Österreich, Polska, România, Russia, Schweiz, Singapore, Slovenija, South Africa, South Korea, Suomi, Sverige, Taiwan, Türkiye, United Arab Emirates, USA.

Please find detailed addresses and additional representatives and agencies in all major industrial nations at: www.sickusa.com