Safe-T-Sense Machine Safety Services

Services for machine manufacturers and end users

Your partner for machine safety

SAFETSENSE

Machine Safety

Our Services

Safe-T-Sense provides a full array of services to help make machines safer, meet safety regulations, and achieve maximum productivity — protecting both you and your employees.

We work with you at every step of the process.

Risk
Assessment

Safety
Concept

Validation

Training &
Custom Services

Engineering

Integration

Verification with
SISTEMA

▶ **Risk Assessment**
Conducting a comprehensive assessment is the first step towards a safer machine. The risk assessment identifies the hazards that exist on or near the machine and provides high-level recommendations to reduce the risk to an acceptable level.

▶ **Safety Concept**
The next step after the risk assessment is designing the machine to be safe. We develop a detailed machine safety concept for you based on the risk reduction measures recommended by the risk assessment.

▶ **Engineering**
We use the risk assessment and safety concept to design or upgrade the electrical, mechanical and fluid power safety controls. The safety control circuit structure will be designed in compliance with the relevant machine safety standards.

▶ **Verification with SISTEMA**
With the safety concept as a basis, we check the structure and reliability of all safety functions to confirm they achieve the required performance level (PLr) as documented within the risk assessment. Safe-T-Sense uses the SISTEMA software for verification.

▶ **Integration**
We support you as needed in implementing the solutions that were designed to safeguard your machine.

▶ **Validation**
Validating the safety concept involves checking the effectiveness of the implemented measures by testing or analyzing the safeguards and safety functions and documenting the results.

▶ **Training & Custom Services**
We offer a variety of additional services, including stop time measurements, safe distance calculations, documentation of alternative control measures (ACM), safety training and consultations.

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