

Process Analysis

Analysis of the process for achieving machine safety

AUTOMATION

Product information

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The machine manufacturer or his representative must ensure before introduction into the market and startup of the machine that the fundamental health and safety requirements of the Machinery Directive are fulfilled.

He must also make sure that the technical documentation required by the Machinery Directive has been created.

The technical documentation must make it possible to assess whether the machine complies with the requirements of the Machinery Directive. It is only possible to efficiently fulfill the requirements with a structured procedure in the form of a defined development process.

This development process is also defined as a requirement in the harmonized sector standards accompanying the Machinery Directive.

It is necessary to determine a standard process derived from all requirements that can be implemented during the development process with reference to machine safety.

User benefits

You already know:

- Which measures need to be implemented at which points within the project
- Which measures you have already implemented in your development process and whether the existing process is already complete
- Which corrective measures may still be required for your development process in terms of the safety of your machines

Description of performance

One of our safety experts will work with your experts to analyze the process you have defined and implemented for achieving machine safety.

This analysis is based on a checklist which highlights the relevant project phases along with the documentation and activities involved in relation to machine safety.

All of the necessary activities, responsibilities, and types of development document (including their content) will be determined based on the phases of the safety lifecycle for machines:

Phase 0: machine risk assessment

Phase 1: safety planning

Phase 2: specification of the safety functions

Phase 3: validation planning

Phase 4: implementation of the safety functions

Phase 5: verification of the safety functions

Phase 6: code simulation

Phase 7: validation of the safety functions

Your live process for achieving machine safety is checked against the specifications in the checklist (target/actual comparison).

This will give you a transparent overview of the entire process, its activities, and documents for achieving machine safety.

The individual results of the process analysis are summarized in an overall evaluation.

Duration

The process analysis usually lasts one day.
The exact duration of our consultation depends on your circumstances.

Costs

We will be happy to prepare a non-binding quote for you.
To request this, speak to your personal sales partner directly or contact our headquarters in Blomberg.

Do you want to expand your in-house expertise?


The following training will help you with the planning of your process:

Safety Lifecycle P0-P1	Order No. 2700790
Safety Lifecycle P2-P4	Order No. 2700792
Safety Lifecycle P5-P7	Order No. 2700791
MRL/Machinery Directive	Order No. 2700510
Functional Safety EN 13849-1	Order No. 2700507
Functional Safety Workshop	Order No. 2700508
SISTEMA User Course	Order No. 2700511
Safety Technology Basics	Order No. 2850821
INTERBUS Safety System Course	Order No. 2884651
INTERBUS Safety Diagnostics	Order No. 2884680
PROFIsafe System Course	Order No. 2692335
PROFIsafe Diagnostics	Order No. 2692364

By offering you custom-made training tailored precisely to your needs, we can impart the specific knowledge you need for your safety environment.

The following may also be of interest to you when it comes to the safety lifecycle of your application:





Do you want to find out quickly whether you are on the right track to achieving functional safety? Then simply use our functional safety app check! By using a checklist, you can find out interactively whether you meet the essential requirements of the Machinery Directive. Simply search for the term *Safety* in the App Store.