

Phase 1: Safety Planning

Management of functional safety

AUTOMATION

Product information

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The proportion of dangerous systematic errors relating to safety functions is well above 60% of all possible errors.

This is important if you are responsible either for the functional safety of machines or the documentation, or if you are a project manager, planner, designer or tester of safety functions.

Measures aimed at preventing this type of error are described in the standards for functional safety.

This includes a defined approach to project management and the legally binding planning of all test activities.

Within the scope of safety planning, appropriate documentation is essential in order to provide evidence that the measures have been implemented.

User benefits

By relying on our certified safety experts for support during the safety planning of your machine, you will ensure maximum safety for man, machine, and environment.

This means:

- A reduction in dangerous systematic errors
- Conformance with standards
- Documentation specifications or standardized documentation templates
- Verification and validation planning
- Clear roles and responsibilities
- Effective resource planning
- Shorter startup times

Description of performance

Depending on your requirements, we can provide support during project planning for the functional safety of your machine. The result for the safety lifecycle is a safety project plan.

We offer competent and comprehensive advice, enabling you to plan and design your project in the best possible way in terms of functional safety.

You will receive information on the following topics:

- The content and structure of the safety project plan
- The phases of the safety lifecycle
- The activities to be planned per phase
- Strategies for achieving functional safety
- The definition of specific roles and resources
- The procedure in the event of changes over the course of the project
- The procedure for planning the verification and validation activities

We will be happy to work with your safety experts to draw up the safety project plan based on the documentation template from PHOENIX CONTACT. This documentation template contains the complete structure which is adapted to your project based on your individual requirements.

Duration

The duration of our services depends on your requirements. We discuss your machine experts' previous experiences to agree on the time required for your individual case. This may be a general consultation lasting half a day or may involve intensive consultation or process support over a number of days.

For large-scale projects we are also happy to provide support for a longer period.

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.

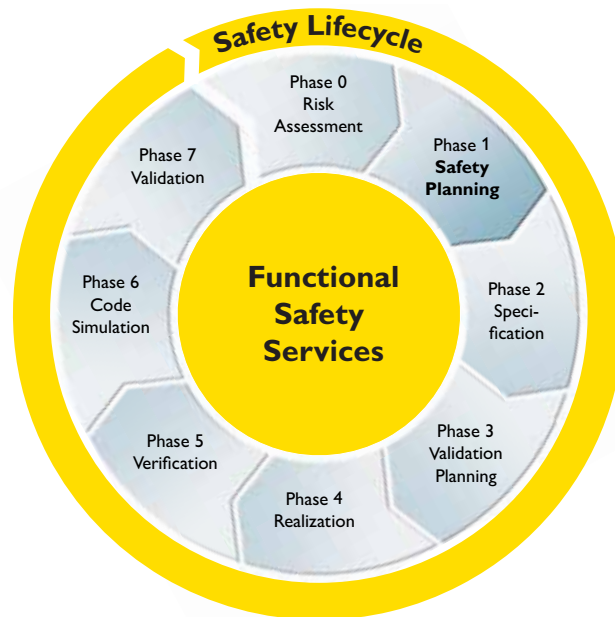
Do you want to expand your in-house expertise?

The following training will help you with safety planning:

Safety Lifecycle P0-P1 Order No. 2700790

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.