

**SIEMENS**

*Ingenuity for life*

# Functional Safety Services Overview

## Benefits

Functional safety consulting and methodology services

- Reduced risk of product failures in mission critical applications
- Faster development of new standards' compliant products
- More efficient definition of required safety manuals

## Fault Campaigns-as-a-Service

- Reduces need for in-house expertise or tool knowledge to:
  - Enable compliance of IC/IP for safety critical applications
  - Root out design vulnerability to random failures
  - Validate the safety performance of your designs

## Related verification services

- SV/UVM Methodology  
Assistance with enhancing, extending and executing SV/UVM based verification with Questa
- Emulation Services  
Assisting customer teams in defining and improving methodologies and executing customer designs in the Veloce emulation flow

## Functional safety needs functional expertise

If you have experience with the design, development, and verification of components for use in safety critical applications, then you understand the need for developing, establishing, and proving compliance to stringent international standards such as ISO 26262 or DO-254. Similarly, if you are trying to enter markets such as automotive or aerospace, you need an avenue to assure that your products can meet these required standards for safety.

## How can EDA Services help?

Siemens offers services, honed through years of experience in safety conscious industries such as aerospace, automo-

tive, industrial, medical, and nuclear, that can aid you by reducing the time and effort required to meet today's safety requirements:

## Functional Safety Consulting Services

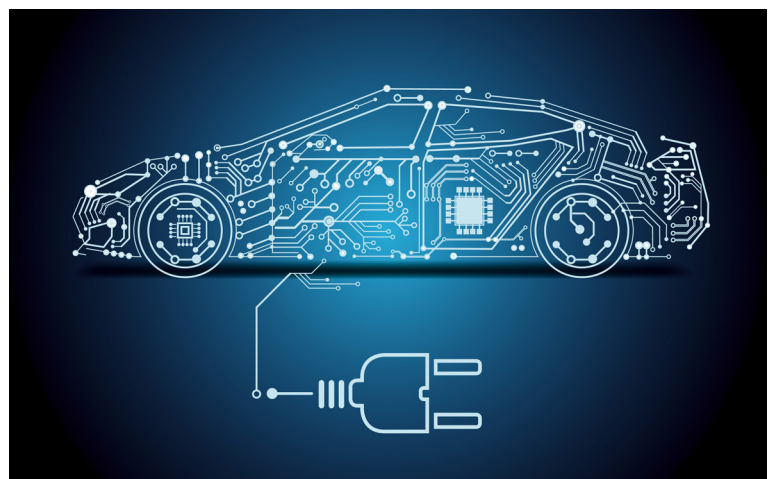
provide you consultative guidance in defining and building the lifecycle processes necessary to design and build products for safety critical markets.

## Functional Safety Methodology Services

offers both consultation and direct collaboration with your team in identifying development process and flow gaps, and defining the changes needed to develop products compliant to international safety standards.

## Fault Campaigns-as-a-Service (FCaaS)

offers expert validation of required HW metrics. In this, our team will define and execute fault campaigns on your design using Siemens' ISO compliant stable of verification tools, including Austemper, Questa and Veloce.



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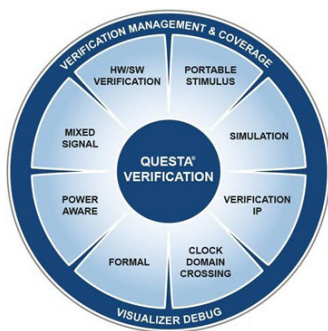
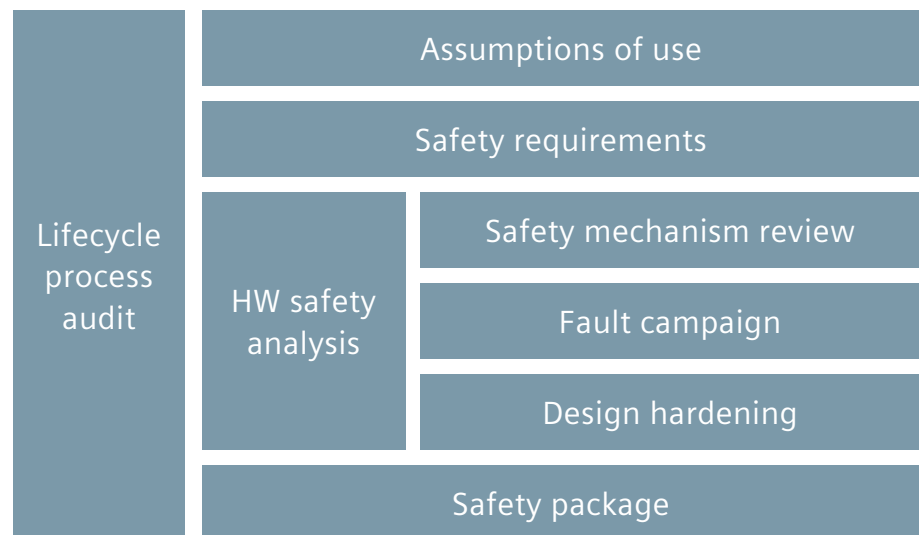


## Experience with the functional safety process

Siemens functional safety services professionals collaborate with you to produce a faster low-risk path to compliance. We provide the experience, framework, and knowledge to execute the necessary analyses and documentation of the foundational elements that make up a functional safety process:

## Want to know more?

Your account representative can help you construct a plan drawing from one or multiple Siemens EDA Service Offerings, managed in a way that best meets your organization's goals.



ISO 26262



IEC 61508



DO-254

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