SIEMENS Digital Industries Software Instructions

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SIEMENS

SIEMENS Digital Industries Software

Specifications

- **Product Name**: Siemens Functional Safety Consulting Services
- **Provider:** Siemens Digital Industries Software
- Website: **siemens.com/eda**
- **Standards Compliance**: ISO 26262, DO-254, IEC 61508

Product Information

Siemens Functional Safety Consulting Services offers expertise in developing products for safety-critical markets such as aerospace, automotive, industrial, medical, and nuclear industries. The services include consultation on lifecycle processes, methodology collaboration, fault campaigns, and verification enhancements.

Benefits

Functional Safety Consulting/ 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 the 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

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

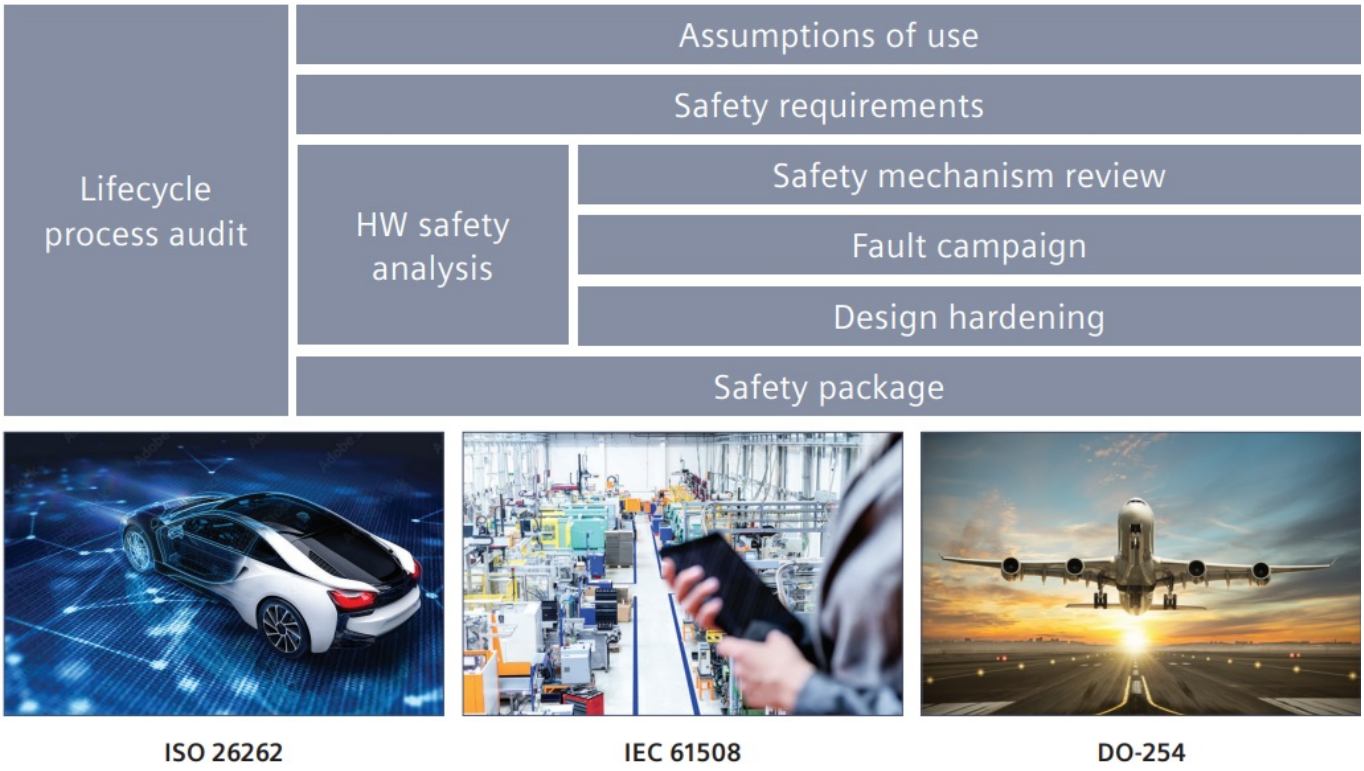
- **Functional Safety Consulting Services** provides you with consultative guidance in defining and building the lifecycle processes necessary to design and build products for safety-critical markets.
- **Functional Safety Methodology** services offer collaboration between our experts and your team to address the crucial elements required to develop an accurate, well-defined safety package. These would include investigating and defining key elements such as architectural safety analyses, design hardening, and fault campaigns.

Consulting Services for Functional Safety

Related verification services

- SV/UVM Methodology Assistance with enhancing, extending, and executing SVUVM-based verification with Questa
- **Emulation Services** Assisting customer teams in defining and improving methodologies and executing customer designs in the Veloce emulation flow
- **Digital Twin Methodology** Enabling the use of our Pave360 digital twin methodology to speed the ability to develop, test, and optimize pre-development systems under realistic usage scenarios and promote early collaboration on development between multiple stakeholders

- **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 verification tools, including Austemper, Questa, and Veloce.
- **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.



Siemens Digital Industries Software siemens.com/software

- **Americas**
  - 1 800 498 5351
- **Europe**
  - 00 800 70002222
- **Asia-Pacific**
  - 001 800 03061910

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Documents / Resources

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Digital Industries Software, Industries Software, Software

References

- Siemens Digital Industries Software and Xcelerator | Siemens Software
- User Manual

Manuals+, Privacy Policy

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