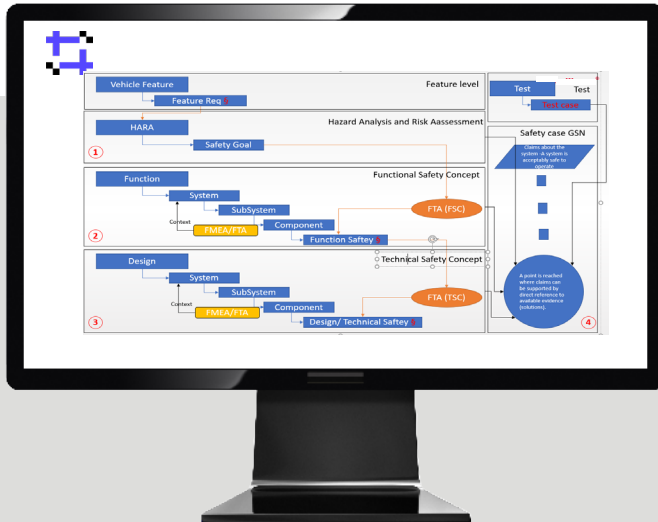


# Functional Safety

With SystemWeaver you can take centralized control over your system information. SystemWeaver provides you with a collaborative real-time environment for specification of your software components, systems and interfaces, ensuring information consistency of large system of systems.



With responsibilities spread out on many different groups within the organization. SystemWeaver makes it easy to achieve transparency within the organization and traceability between abstraction levels, while also allowing information sharing in different formats.

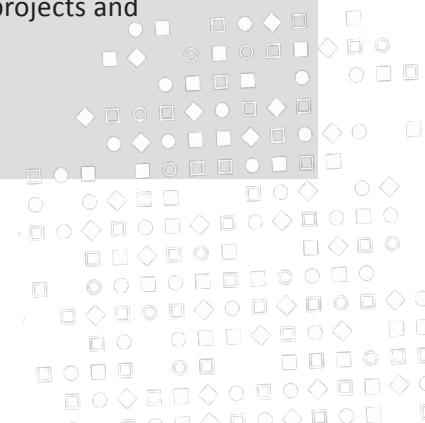
Keep your safety analysis consistent and in sync with system design, requirements and verification, to continuously be compliant with ISO 26262.

## Challenges

- Multiple data sources with high level of complexity
- Change-management in the system over different life-cycles
- Ensure complete traceability during the development life-cycle
- Ensure documentation is always complete and up-to-date
- Integration with design, requirements, change management, test, cybersecurity and other aspects
- Information scattered throughout toolchain

## Solutions

- Gather all relevant data while still working with domain-specific information utilizing dedicated user-interfaces
- Full traceability of all artifacts, including requirements, test and design
- Automatic generation of documentation required for compliance, based on the real-time data
- Unique reuse, versioning and configuration management functionality on all data, enables world class reuse of data across and within projects and products



### Why SystemWeaver?

- Collaboration
- Versioning and version comparison
- Configuration management
- Completeness analysis
- Consistency validation
- Test and requirement capabilities
- Complete traceability
- Multi-version

### What is different about using SystemWeaver?

- Guides and helps the user in conducting the analysis
- Helps experts keep track of data over time, with built-in versioning and configuration management
- Validates the consistency and structural completeness of the analysis data
- Built-in variant handling
- Scales to many users and large systems of systems

### Functionality

- Fault tree analysis
- Failure Mode and Effect Analysis (FMEA)
- Hazard Analysis and Risk Assessment (HARA)
- Dependent Failure Analysis (DFA)
- Hardware Software Interface (HSI)
- Cutset analysis
- Functional and technical safety concept on multiple levels
- Seamless entire vehicle, system, subsystem and component perspective
- Seamless integration with design
- Seamless integration with requirement management
- Function, system, software and hardware design and allocation
- Seamless integration with test management
- Supplier and customer integration
- Document generation
- Process documentation
- Standard fulfillment overview
- Reuse across projects and systems
- Catalogs

### Why this vendor?

SystemWeaver is the world leading Software PLM platform, enabling a new paradigm in automotive software engineering. A leap where continuous compliance and actual reuse are the standards, which leads to secure and compliant cars.

We are here to support you in the development of the next generation of cars. With over 20 years of experience within the automotive industry our innovation has been proven. We work with companies like Geely, Volvo Cars and Polestar and have supported over 40 OEMs globally.