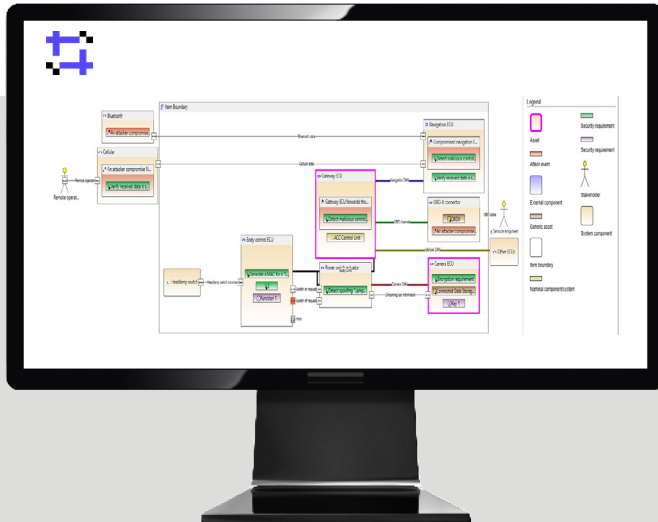


Systems Design

SystemWeaver provides you with a collaborative real-time environment for specification of your software components, software systems and software interfaces. Ensure consistency of your system communication between nodes on your platform.



True communication consistency is challenging when having large system of systems, with responsibilities spread out within the organization. SystemWeaver makes it easy to achieve transparency within the organization and traceability between abstraction levels, while allowing you to share information in different formats.

Keep your system consistent while staying continuously agile and up-to-date with your traceability and communication.

Challenges

- Multiple data sources
- High level of complexity
- Ensure that your design is complete from an AUTOSAR perspective
- Ensure that documentation is always complete and up-to-date
- Move away from a general tool like Excel to a best-in-class tool designated for AUTOSAR
- Combine your system design with cybersecurity and functional safety

Solutions

- Gather all relevant data and choose between many different types of visualizations
- Define data types, interfaces, and components
- Fulfill design requirements and test traceability
- Generate system extracts and other documentation
- Work with system communication both graphically and in dedicated user interfaces

Why SystemWeaver?

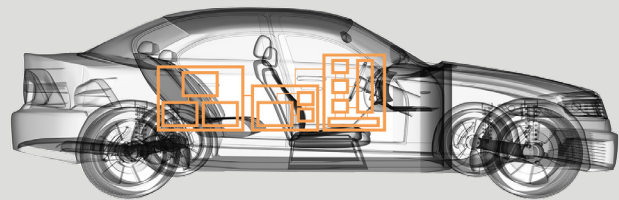
- Collaboration
- Versioning and version comparison
- Configuration management
- Completeness analysis
- Consistency validation
- Test and requirement capabilities
- Complete traceability
- Multi-version

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

Functionality

- Data type definition
- (Service) interface definition
- API first approach
- System allocation
- Process definition
- Interface and instance deployment
- Network and topology modelling
- System signal generation
- System description and system manifest export



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.