

TA Tool Suite

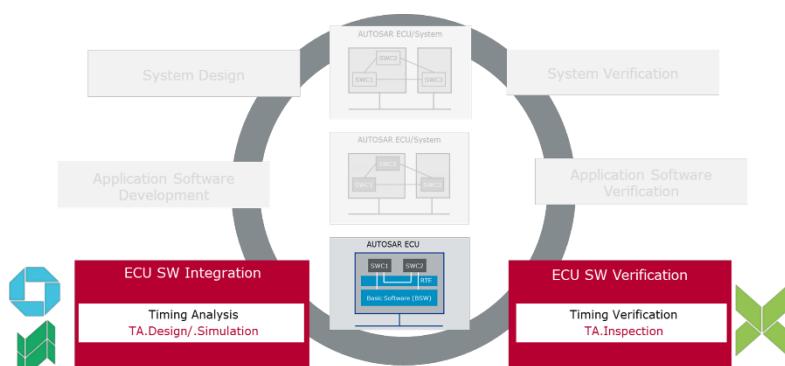
Timing Aware Design and Verification of AUTOSAR ECUs

Optimize Timing of your ECU System

TA Tool Suite offers user-friendly collection of tools for the design, simulation and verification of embedded real-time systems and gives you the possibility to deeply analyze and optimize timing behavior of your ECU. This allows project managers, software architects, developers and integrators to make full use of all the ECU's computing resources.

Advantages and Highlights

- > Unified solution to guarantee traceability of timing requirements throughout the development lifecycle
- > Systematic definition and visualization of timing and integration constraints (**AUTOSAR TIMEX** & more)
- > Direct interface to Vector DaVinci projects for seamless model import, export and updates
- > Simplifies timing aware integration of software components by visualizing communication dependencies and timing relevant system properties
- > Model-based simulation of different ECU system designs to early evaluate its timing and layout your scheduling
- > Automatic verification of timing and performance constraints on AUTOSAR Classic ECUs within CI/CD/CT pipelines through interfaces to **Lauterbach**, **iSYSTEM** and Vector's **VX1000** solution
- > Troubleshoots timing and performance issues reported by CI/CD/CT pipelines



Use of the TA Tool Suite in the ECU development process

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