Model-Based Body Controller Software Development

Transforming Customer Expectations into Virtual Reality













Overview

Model-based software development V-model

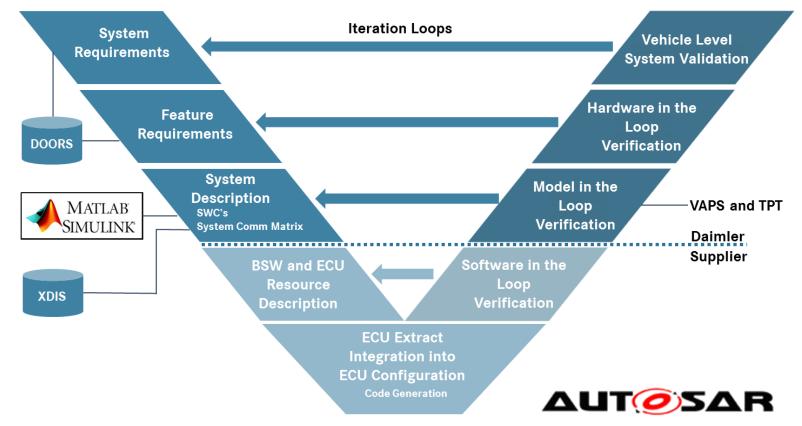
System requirements - The Customer Experience

Feature requirements – Functional description of software components

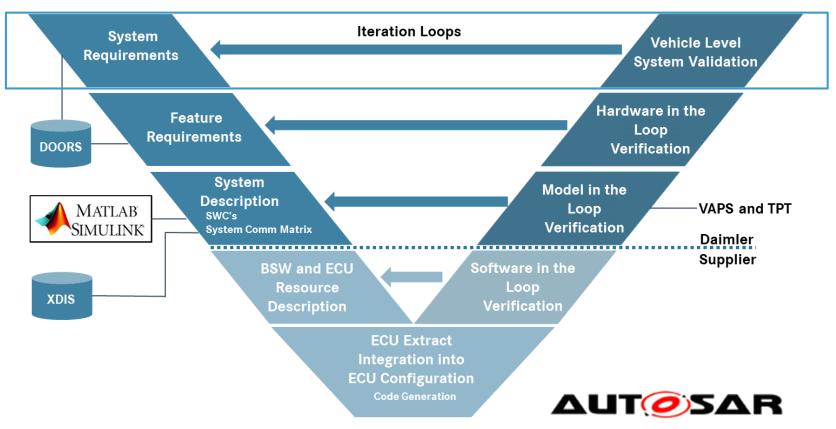
Software component modeling and verification



Model Based Software Development V-Model

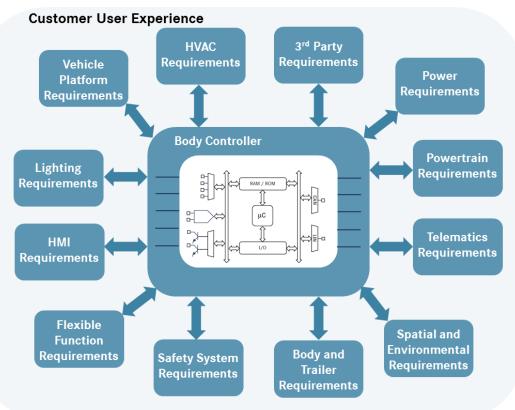


Model Based Software Development V-Model

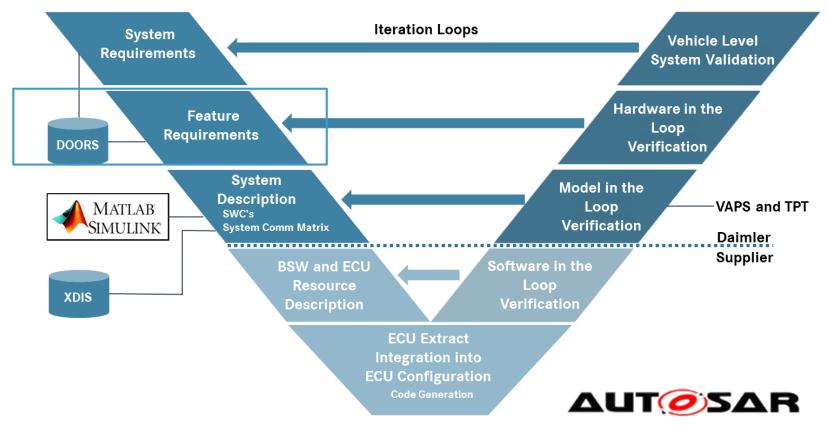


System Requirements





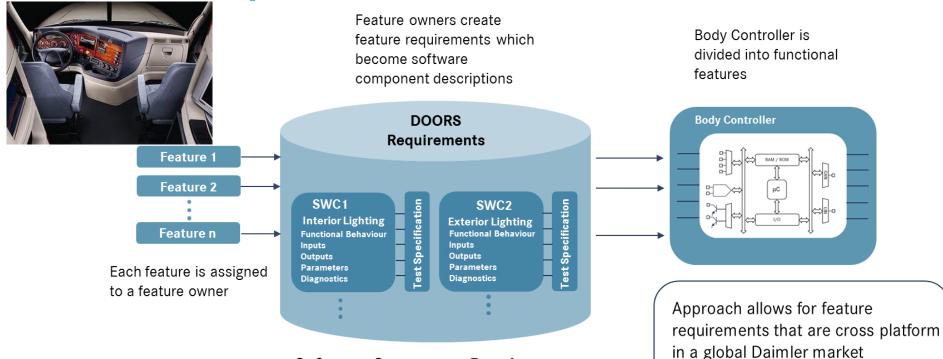
Model Based Software Development V-Model



Feature quality improves as

requirements mature

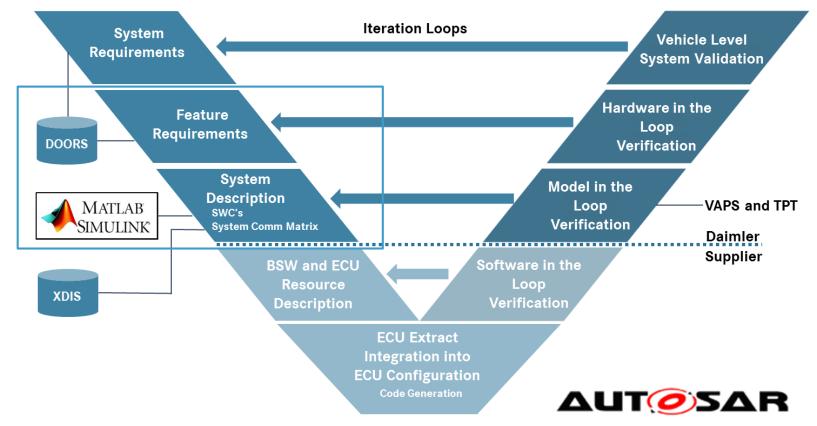
Feature Requirements



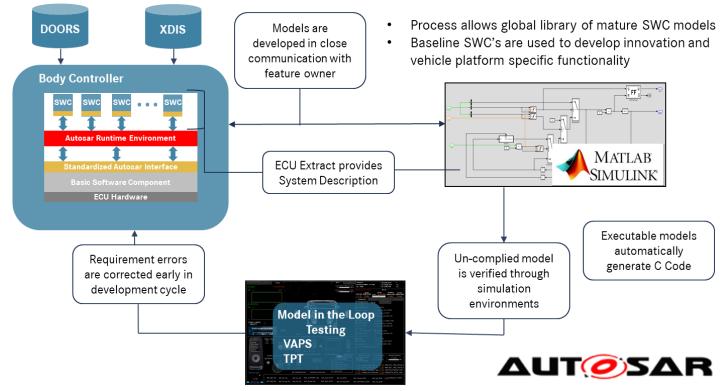
Software Component Requirements

- Each requirement shall be testable
- Each requirement shall be traceable

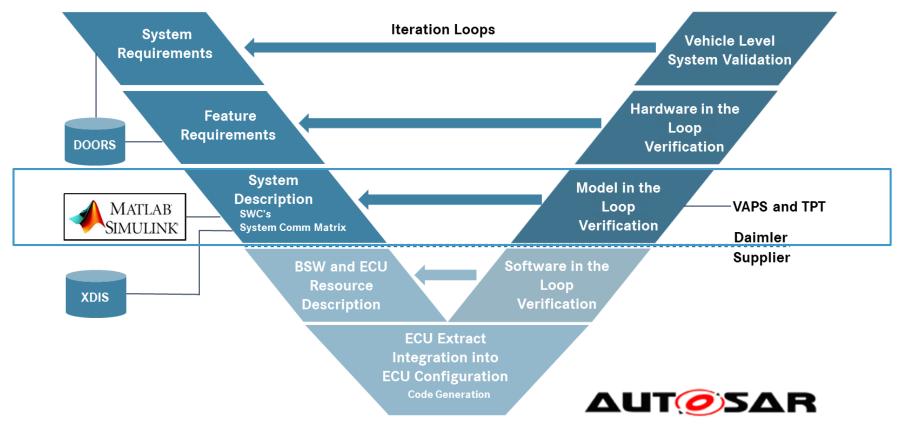
Model Based Software Development V-Model



Software Component Model is Developed from Feature Requirements



Model Based Software Development V-Model



Model in the Loop Verification - VAPS







Thank You

