

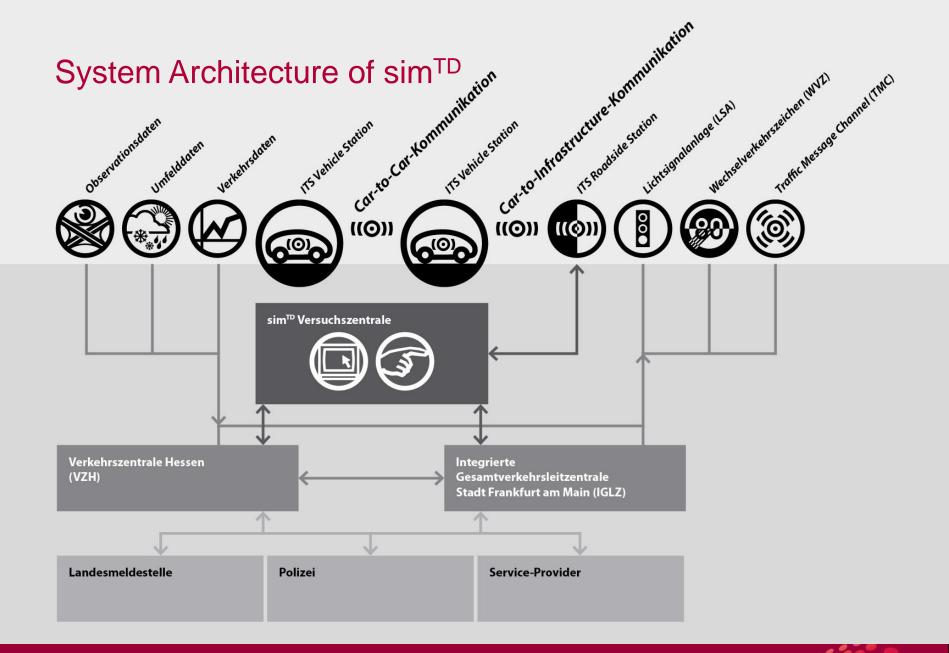
Development Goal of sim^{TD}

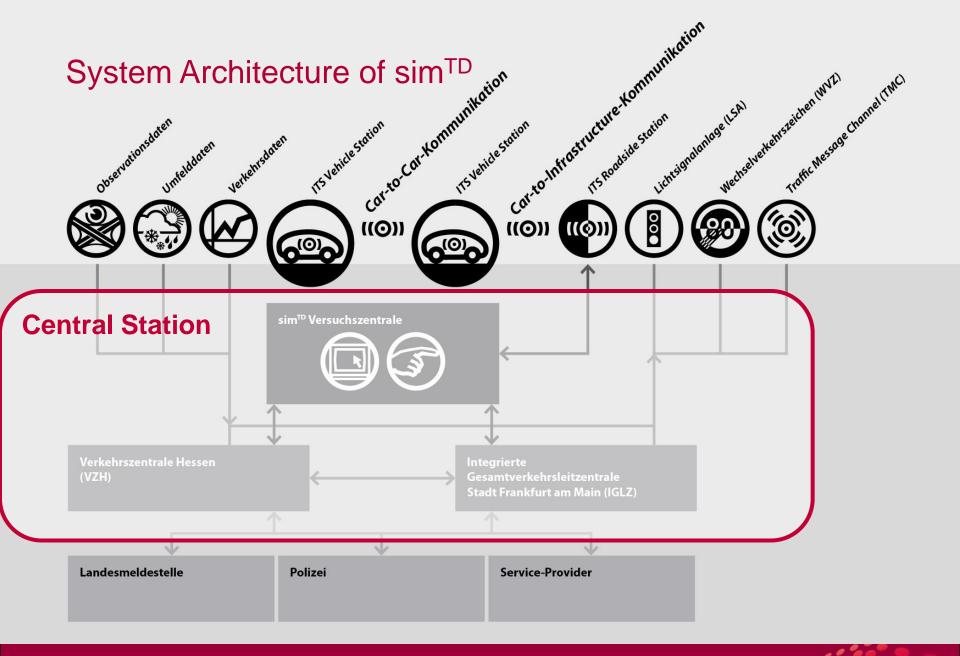


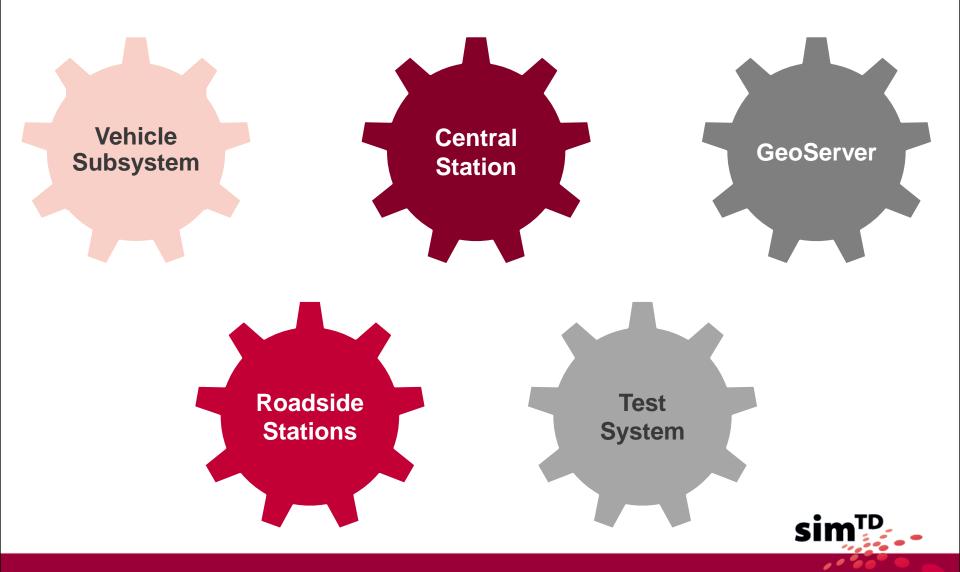
... realisation in FOT quality!

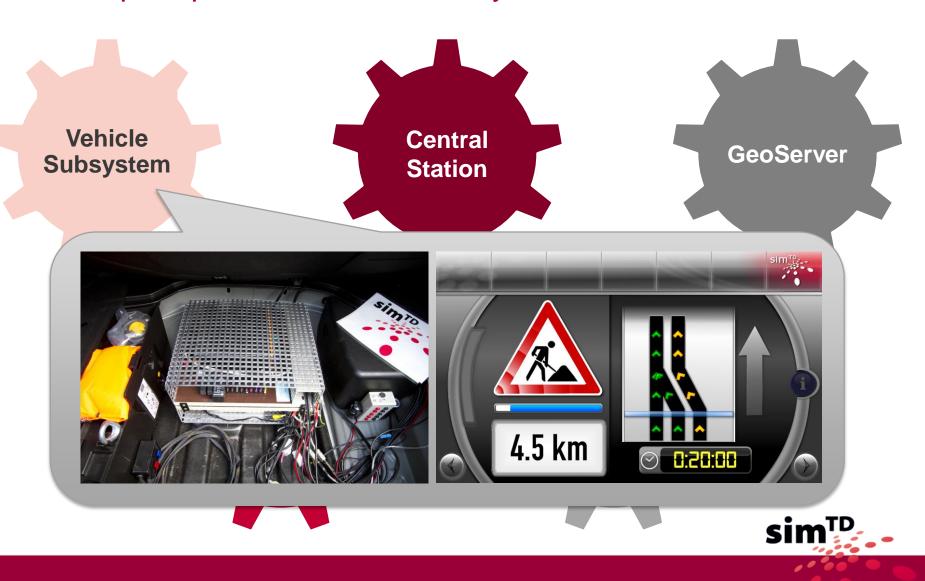


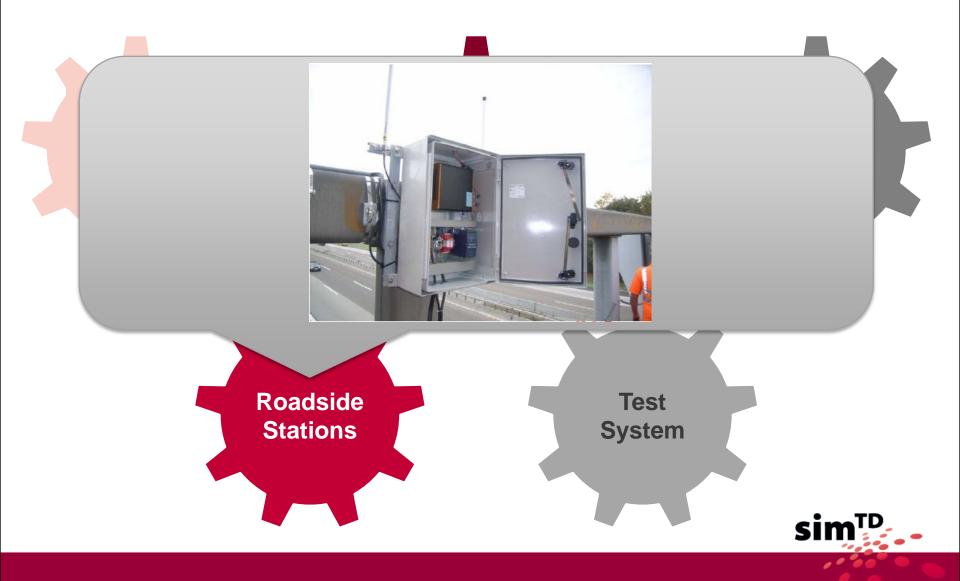




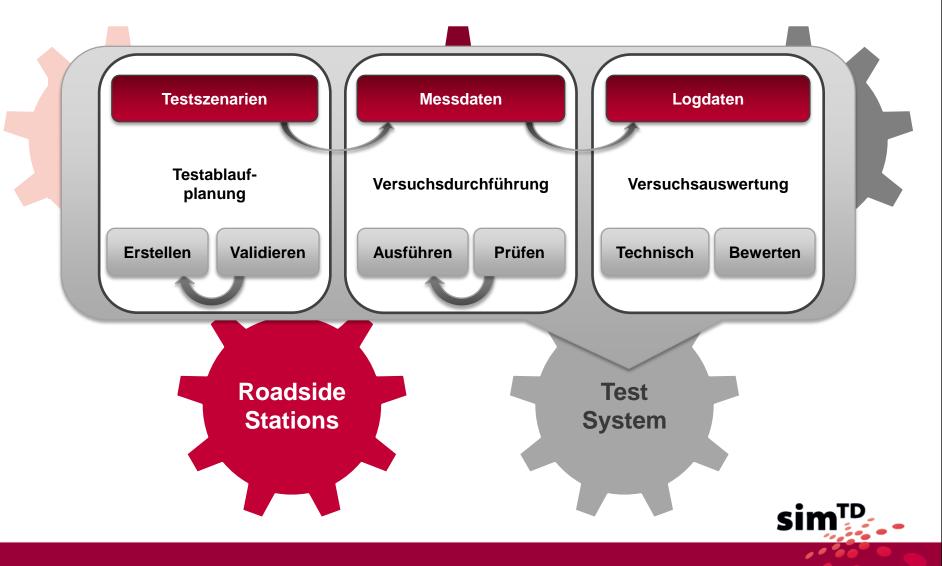


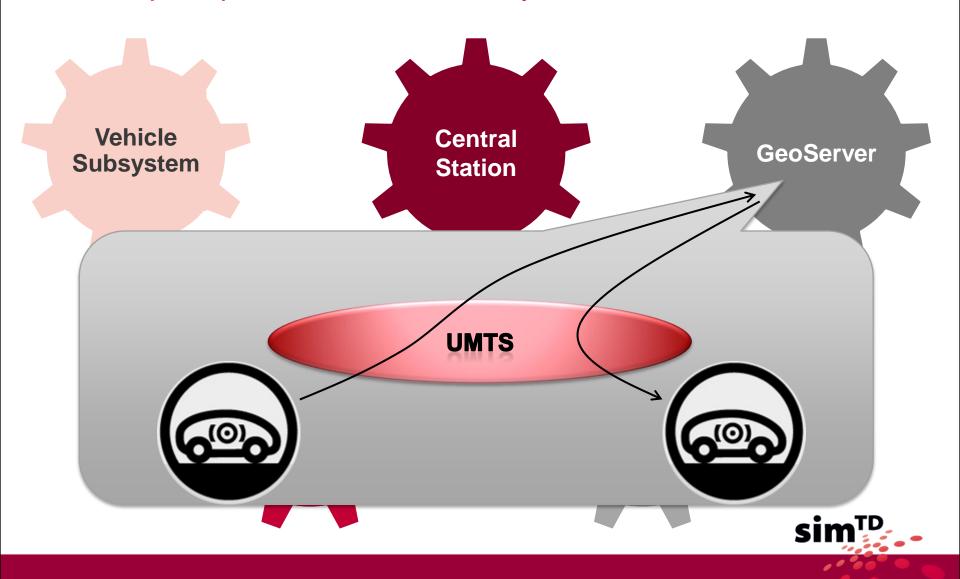


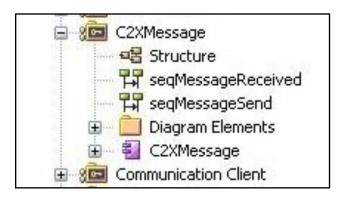






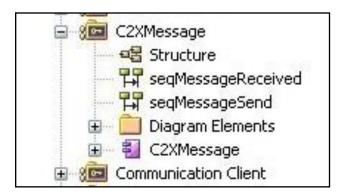


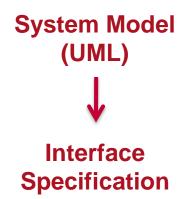




System Model (UML)

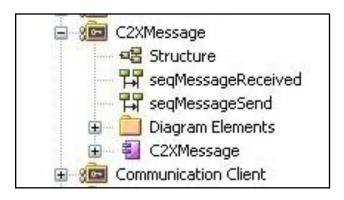


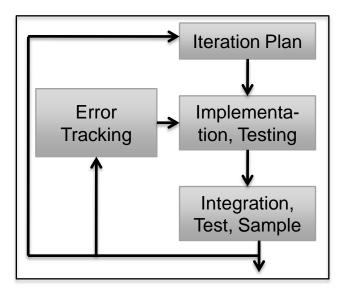


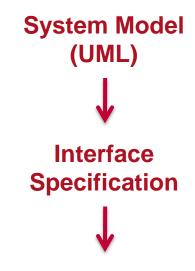








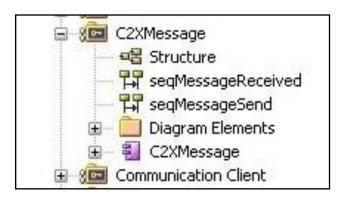


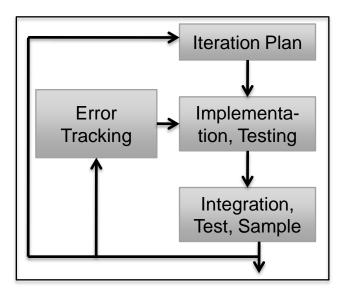


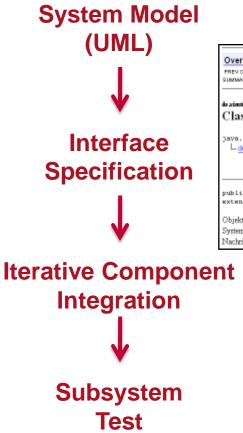


Iterative Component Integration





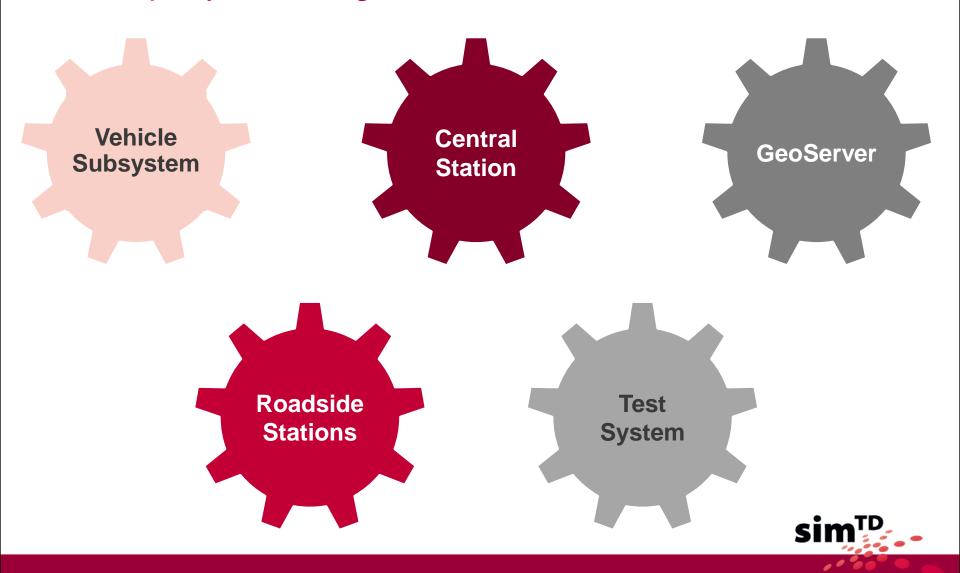




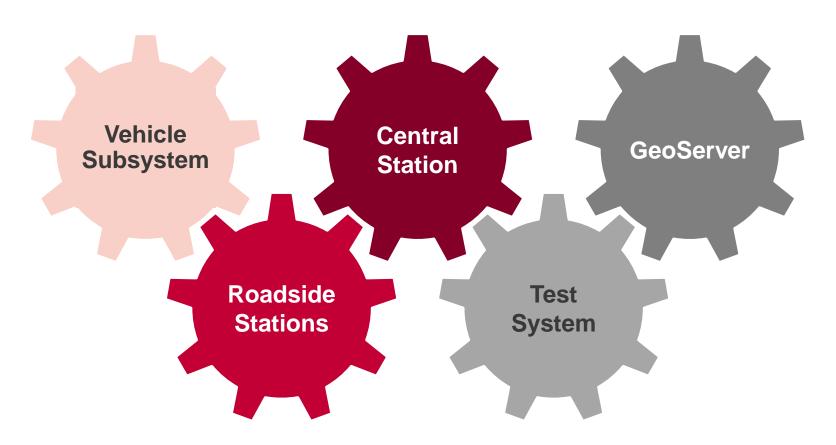




2. Step: System Integration

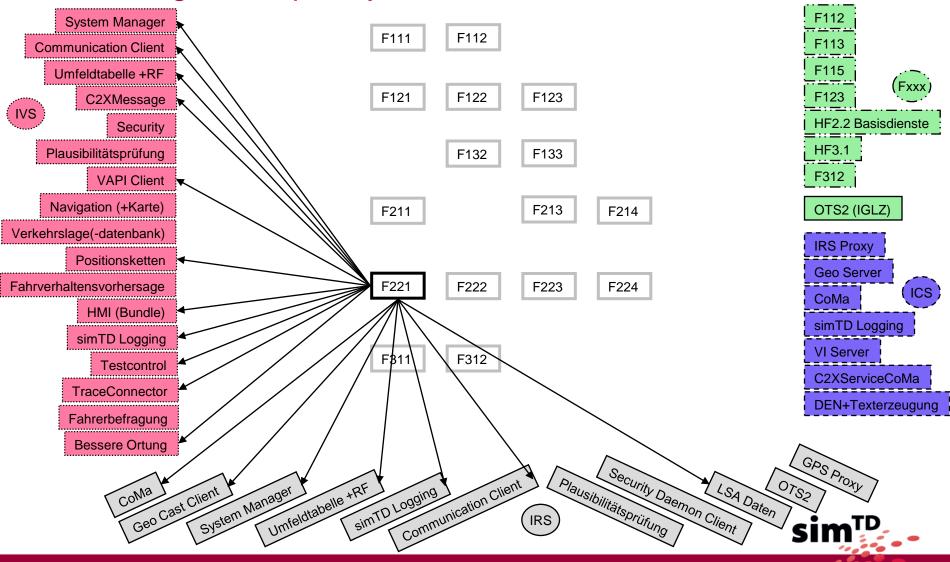


2. Step: System Integration

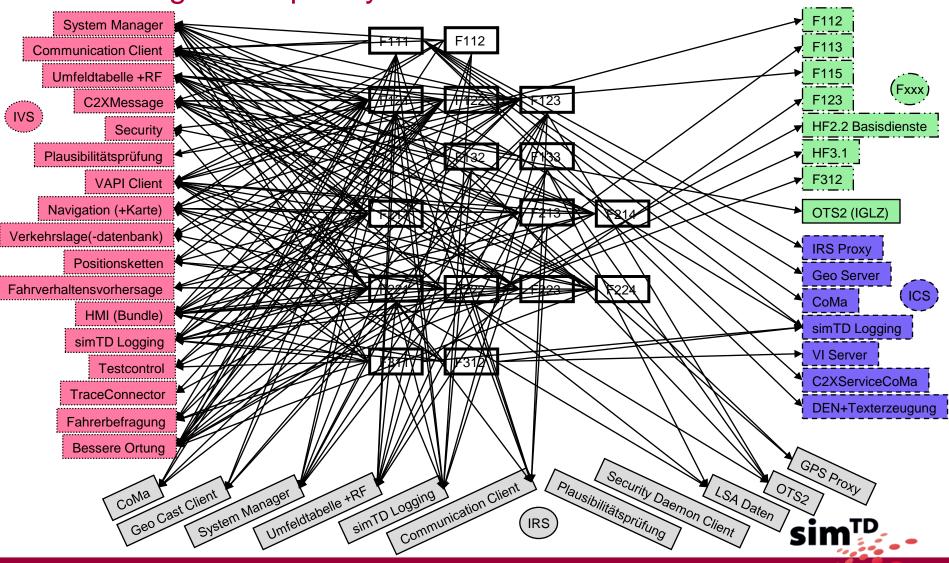




Challenge: Complexity



Challenge: Complexity



System Integration

- Methodology: iterative integration of applications
 - Definition (and documentation) of acceptance criteria and regression tests, evaluation in test bench
 - Diligent and intensive integration workshops
 - → Stabilisation/Validation of base components
 - → Stabilisation/Validation of overall system
- Incorporation of test designers and evaluators at early stage

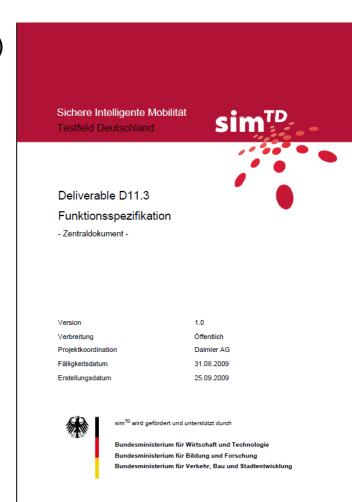






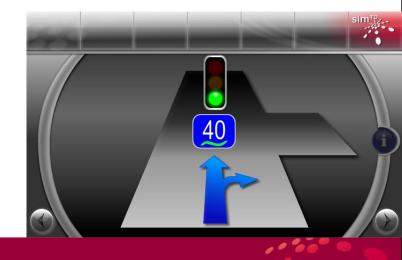
Where are we?

- Integrated system available
 - Solid base system (hardware and software)
 - Test system integrated into central station
- Robust system wrt. fied operational testing
 - Strict acceptance criteria, diligent development processes
 - Documented results
- Close to (preliminary) standards
 - ETSI, Mobile IPv6
 - Security from the beginning
 - Results are important input for standardisation
- Homogeneous HMI for all vehicles, thus reproduceability



Where are we?

- Integrated system available
 - Solid base system (hardware and software)
 - Test system fully integrated into central station
- Robust system wrt. fied operational testing
 - Strict acceptance criteria, diligent development processes
 - Documented results
- Close to (preliminary) standards
 - ETSI, Mobile IPv6
 - Security from the beginning
 - Results are important input for standardisation
- Homogeneous HMI for all vehicles, thus reproduceability



Next Integration Steps

- System optimisation for trials for test site
- Equipment of test site and test vehicles with hardware
- Knowledge transfer towards test planners and evaluators.







