

EXAMPLE AUTOMOTIVE SIMULATION ITK CUSTOM SOLUTION



AUTOMOTIVE SIMULATION IVESS AND MIL

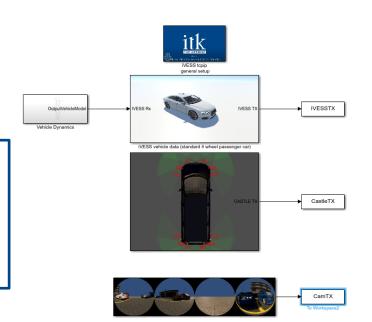






iVESS
Co-Simulation
(environment,
sensors)

MainSimulation
(vehicle dynamics, driver,...)



CHALLENGE

- Verification of an autonomous parking functionalities
- Co-Simulation of multiple sensor types and a vehicle plant model in a computer network or on cloud infrastructure

SOLUTION

- Custom generation of country specific parking scenarios
- Ultrasonic simulation with raytracing and consistent image rendering with game engine
- Synchronized and unsynchronized connection of sensor and main-simulation

BENEFIT

- Custom development environment for software fusion and perception
- No vendor-lock in and sprawling license costs
- Scale from gray to whitebox

AUTOMOTIVE SIMULATION

IVESS AND HIL

