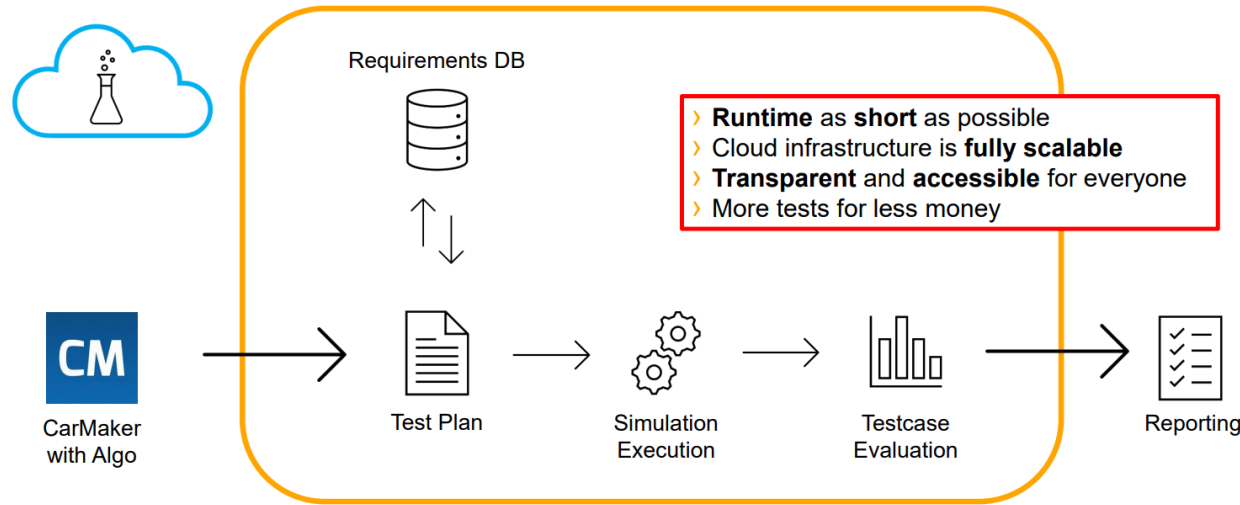


Cloud-Based CI-CT Infrastructure with CarMaker

Efficient toolchain implementation for automotive software development

Focus on Continuous Testing



Challenge:

- Shorter development cycles combined with rise of complexity in ADAS and AD systems

Solution:

- Integration of simulation toolchain based on CarMaker in CI-CT pipeline
- Parallelization using cloud-computing (36 parallel simulation executions)
- Very high test coverage (50.000 tests / 126.000 km in 3 hours, effective speed 42.000 km/h)

Source: Apply & Innovate, 2022

Test runtime reduced by up to 94%