

Controller Validation

The **Virtual Electronic Control Unit** has been used to perform **validation tests** on several production embedded control units owned by one of our customer vehicle OEM, **with no use of physical benches/ECUs**.

Typically, initial setup of these benches requires **up to six months** and they cannot be easily reconfigured and used for other programs during the execution of the tests, unless it takes several weeks for the re-work.

The Virtual Electronic Control Unit, allowed to **replace the physical environment** reusing, with minimum modification, the standard test suite developed for the benches. In addition, leveraging parallelism offered by cloud computing, multiple instances of The Virtual Electronic Control Unit have been executed at the same time offering **maximum level of flexibility/scalability**.

This kind of setup allowed also to easily **include validation** with The Virtual Electronic Control Unit **into CI/CD pipeline**.

