



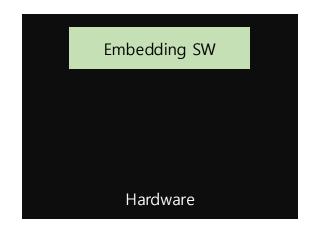




Dr. SangGyoo SIM / AUTOCRYPT

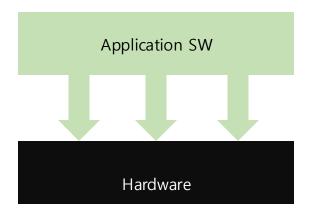


SDV (Software Defined Vehicle)



SW is a sub-part of HW.

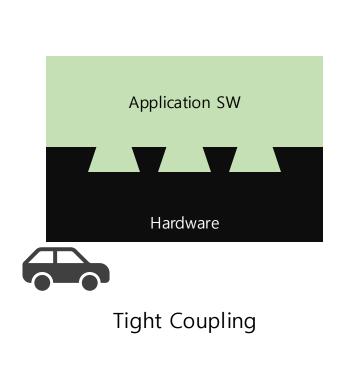


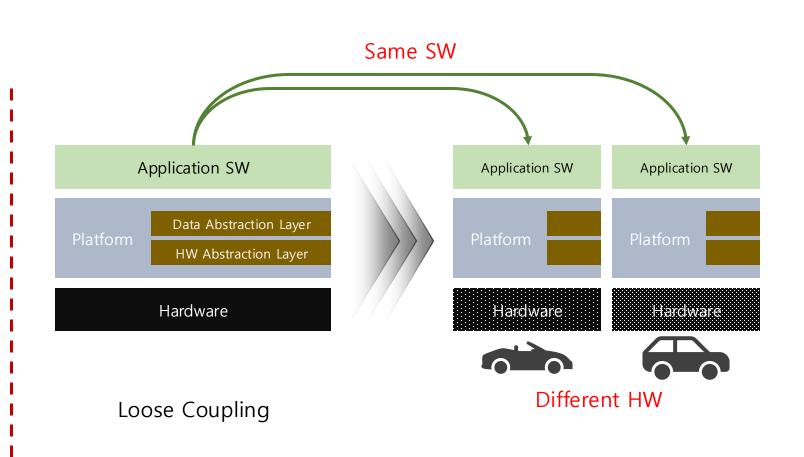


SW is an independent part.

Coupling between HW & SW

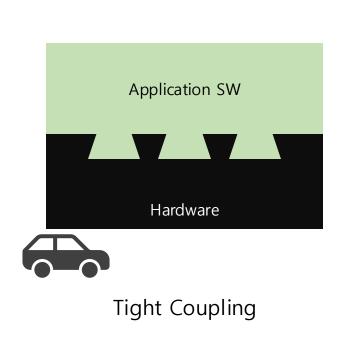


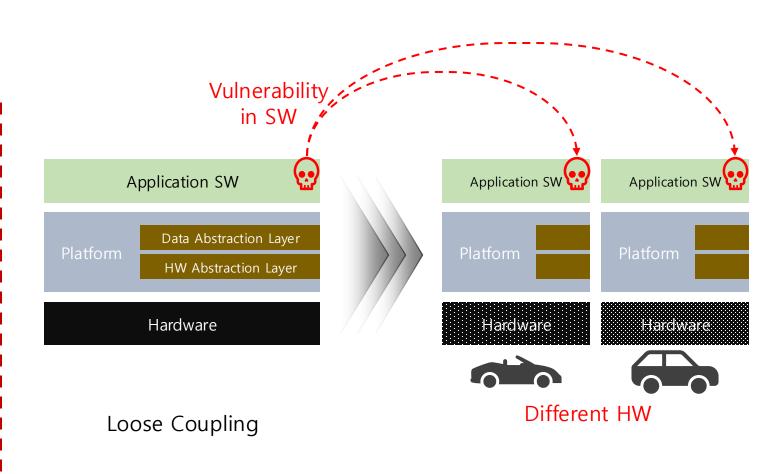




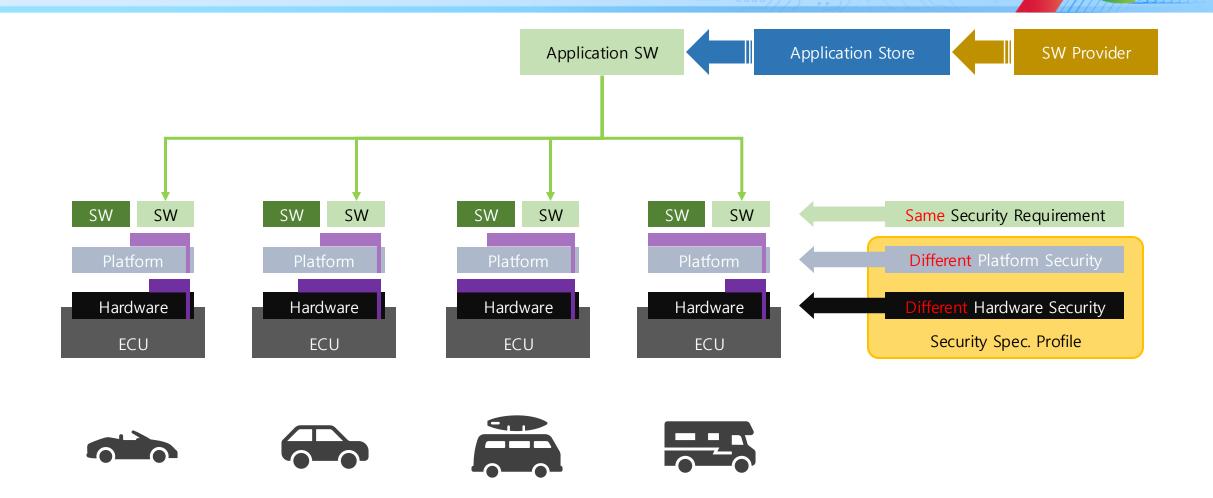
Coupling between HW & SW





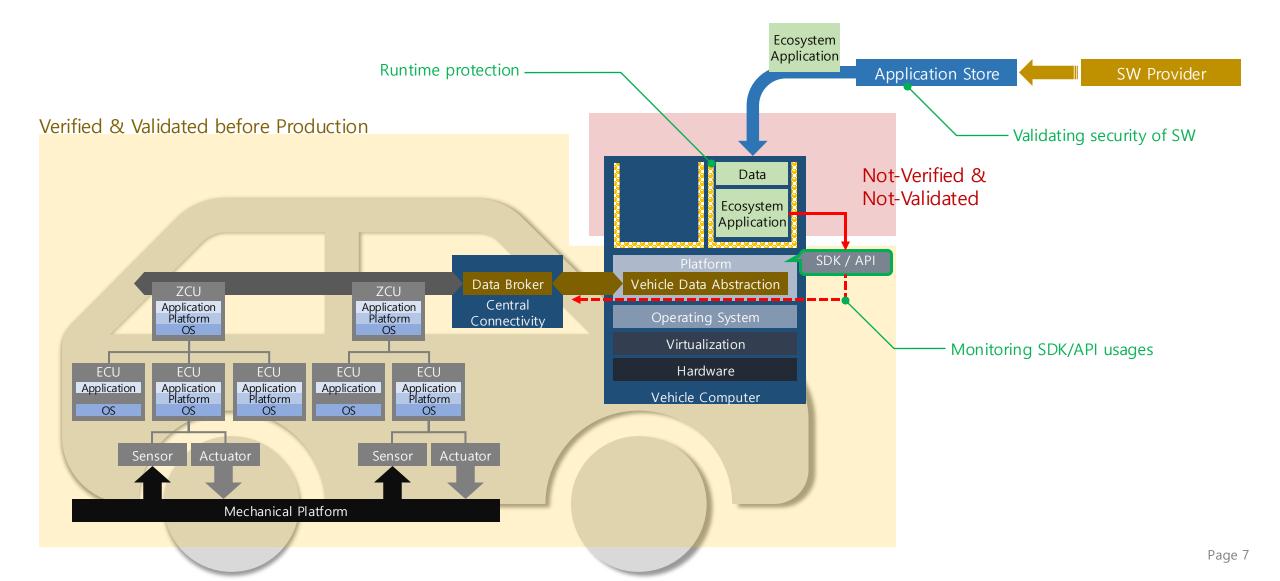


One Software for Different Vehicles

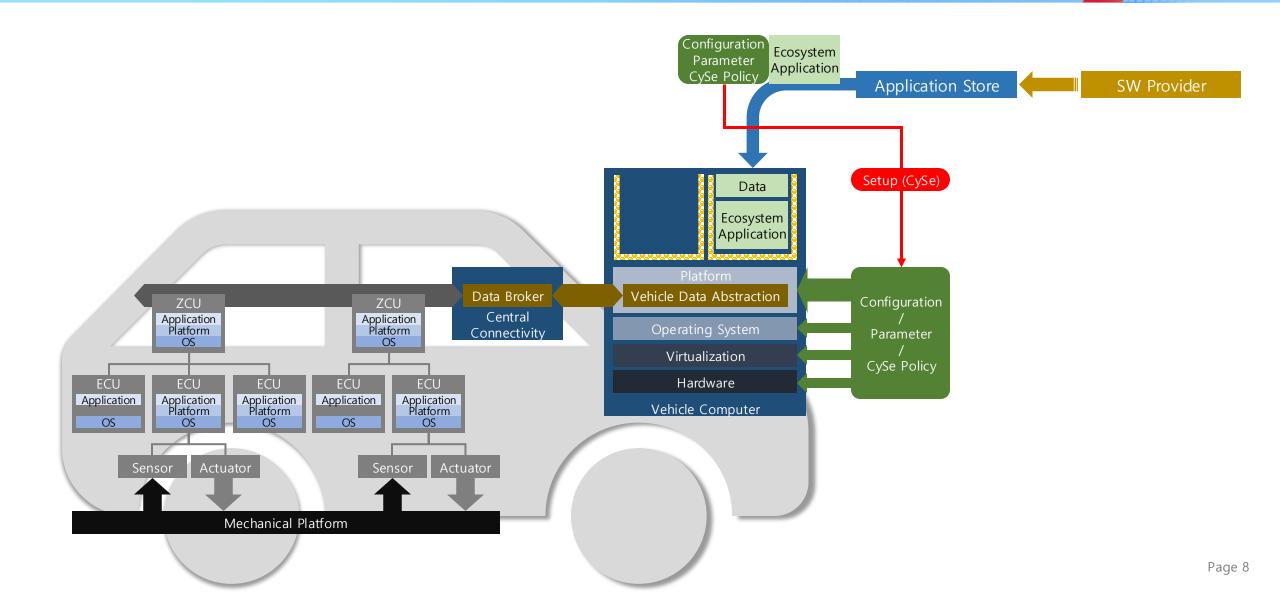


Software Delivery of 3rd party SW

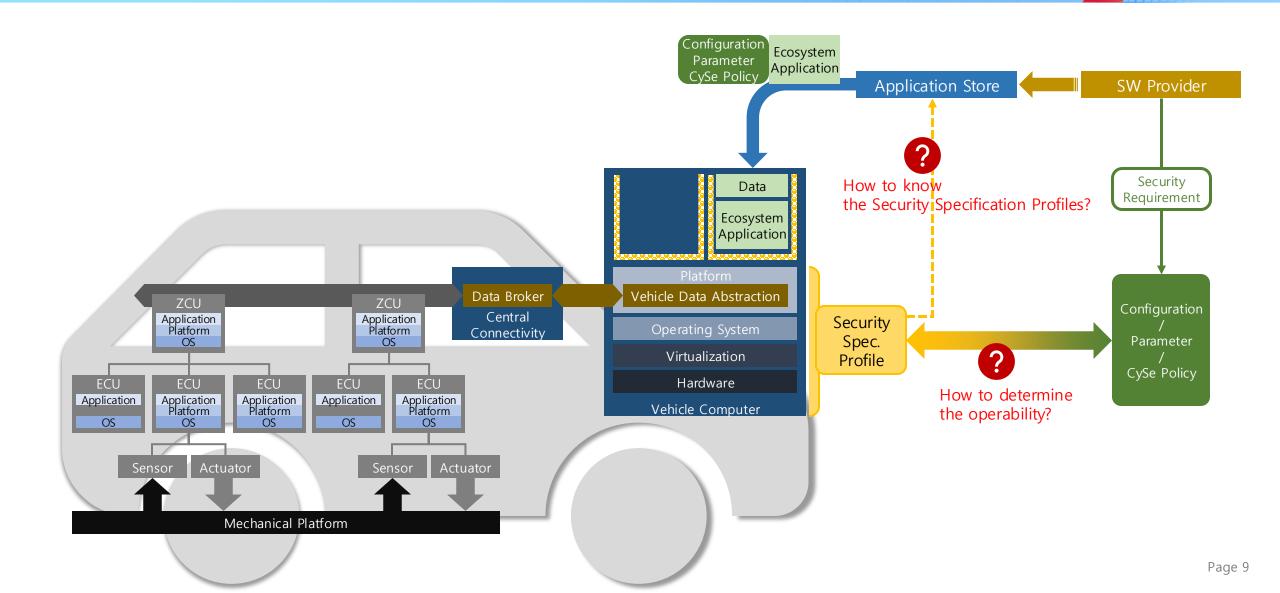




SW Install/Setup

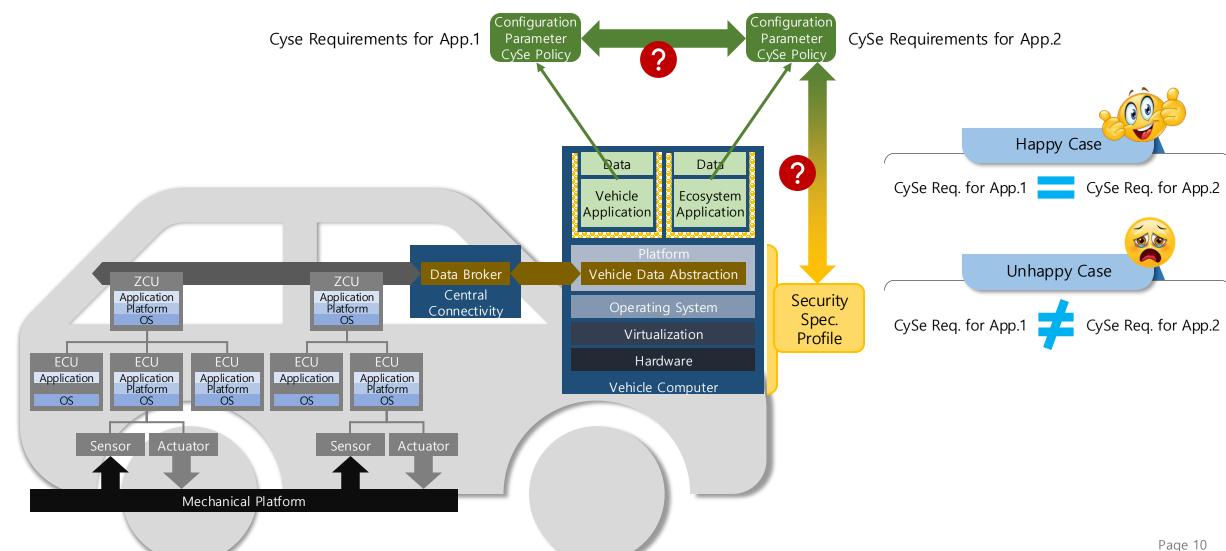


Security Spec. Profile

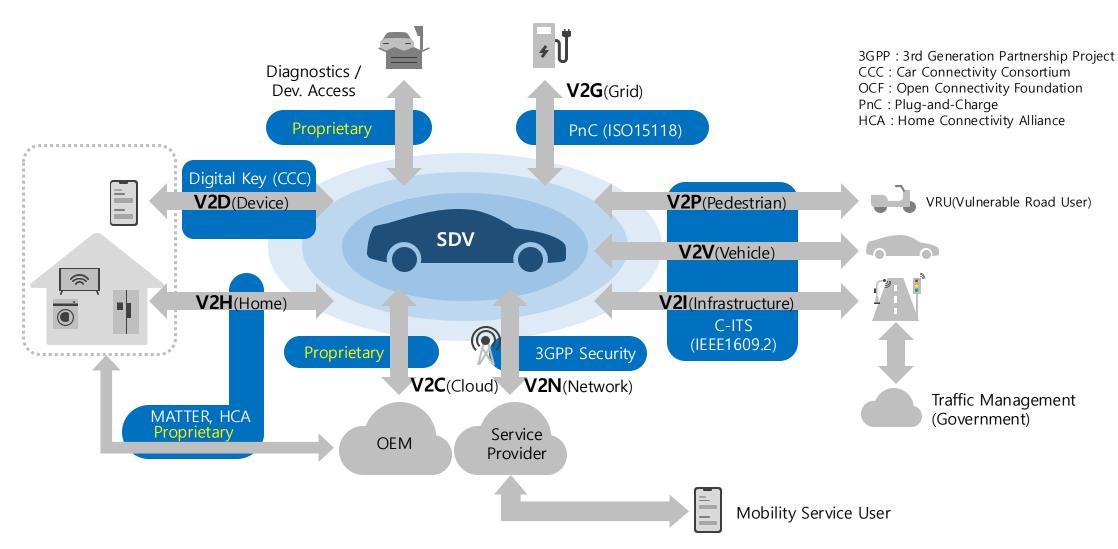


Cybersecurity Requirements

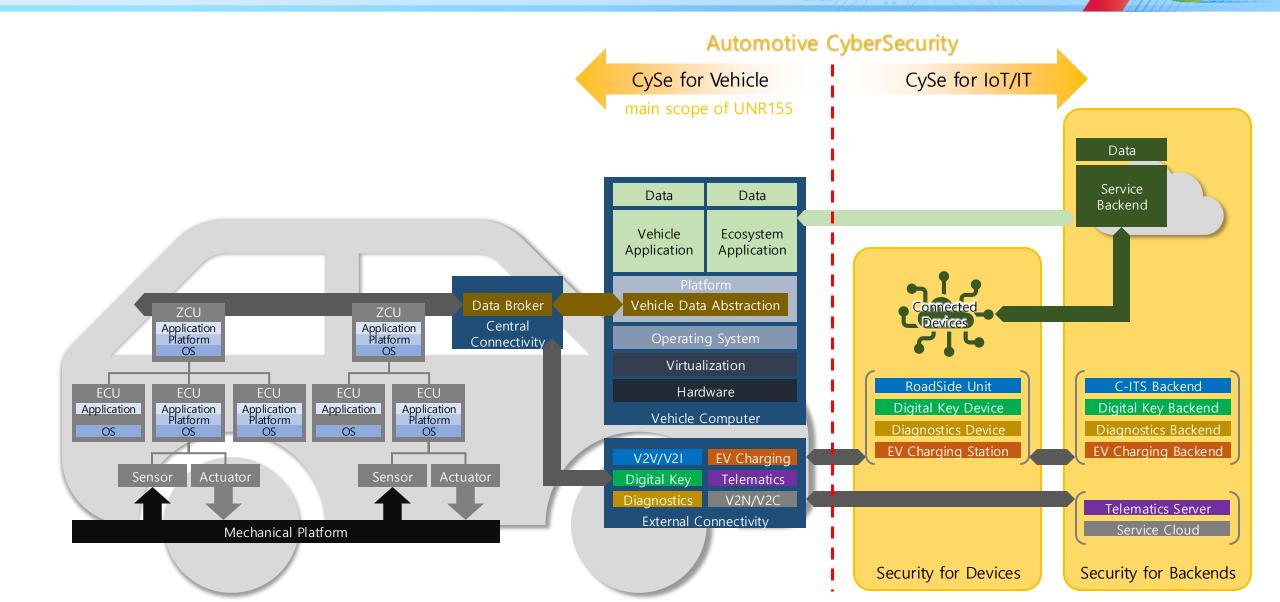




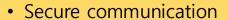
Connectivity of SDV



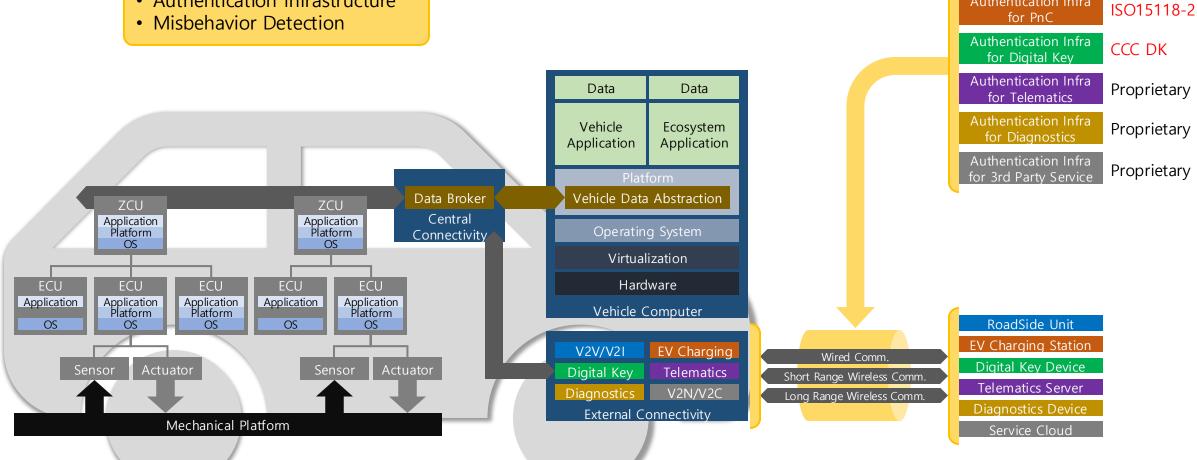
CySe for Vehicle + CySe for IoT/IT



Secure Connection



Authentication Infrastructure



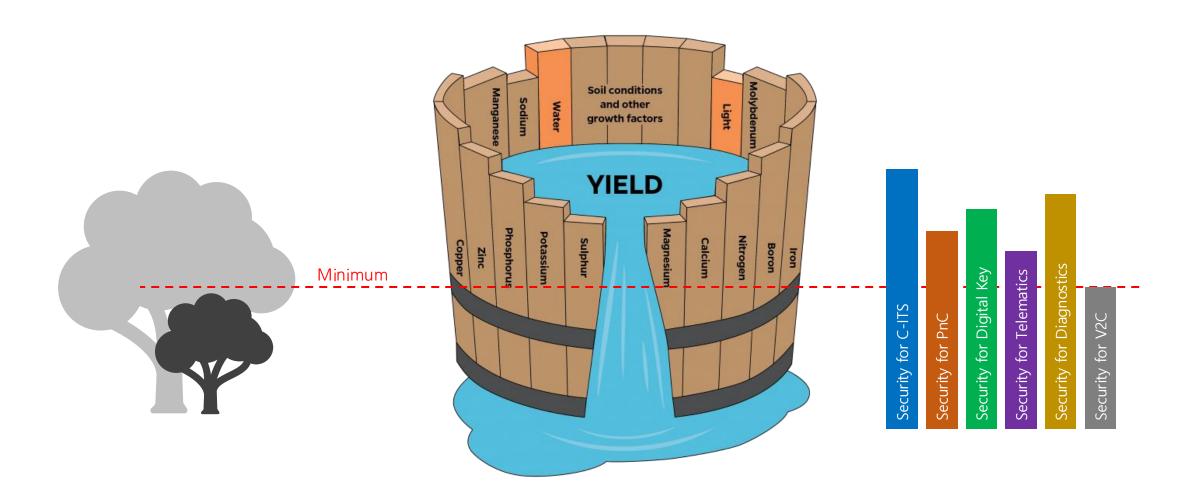
IEEE1609.2

Authentication Infra

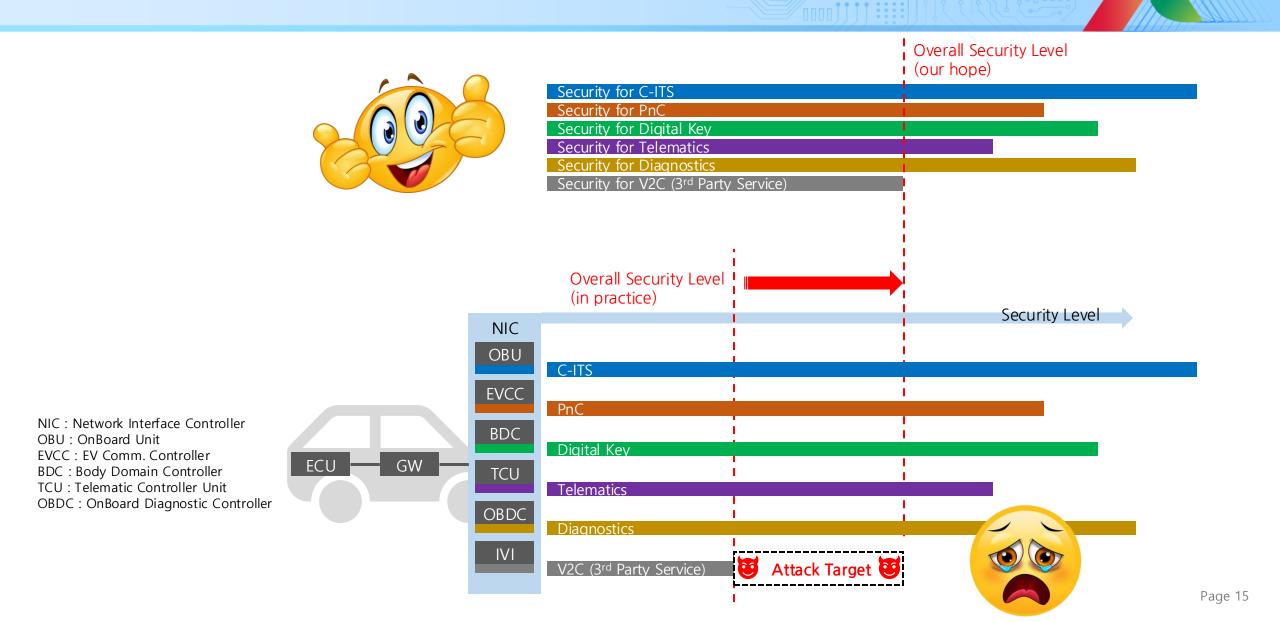
for C-ITS

Authentication Infra

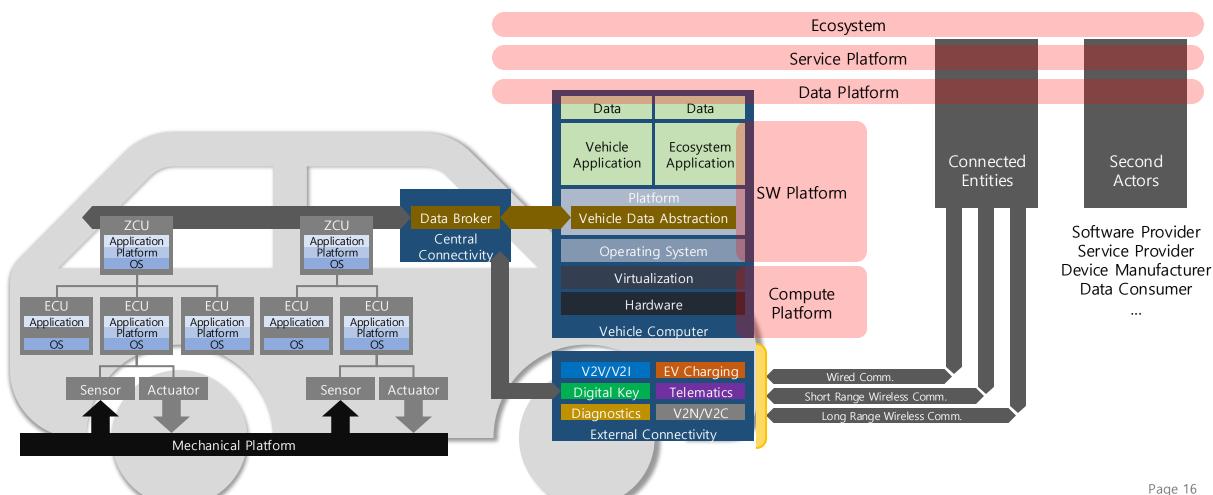
Law of the Minimum by Carl Sprengel (1840) and by Justus von Liebig



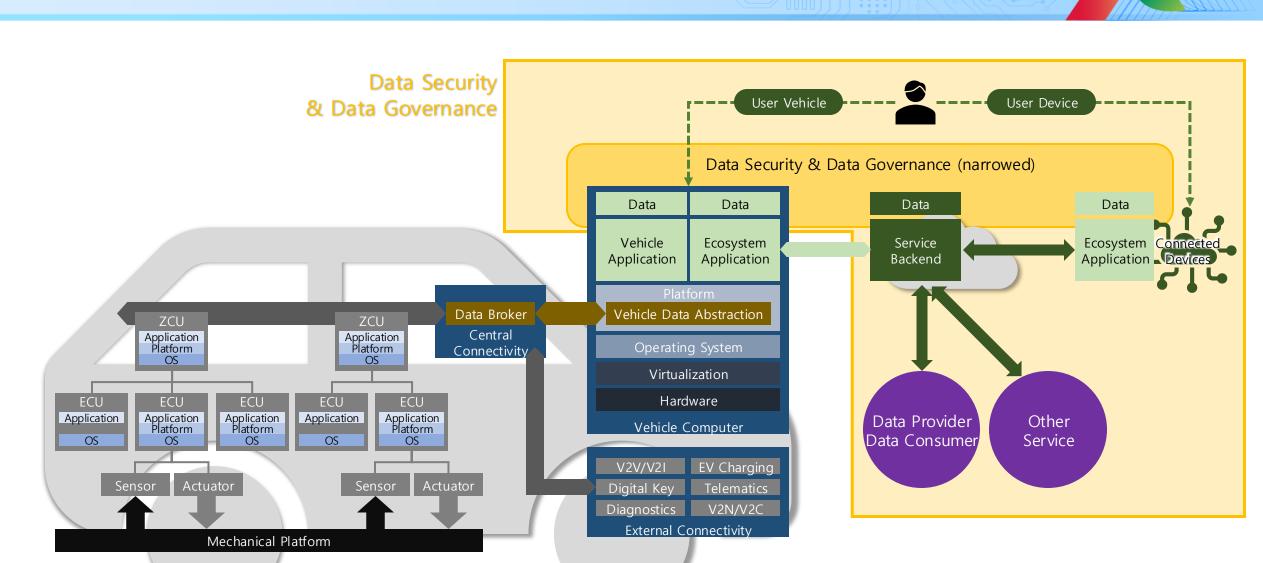
Law of the Minimum



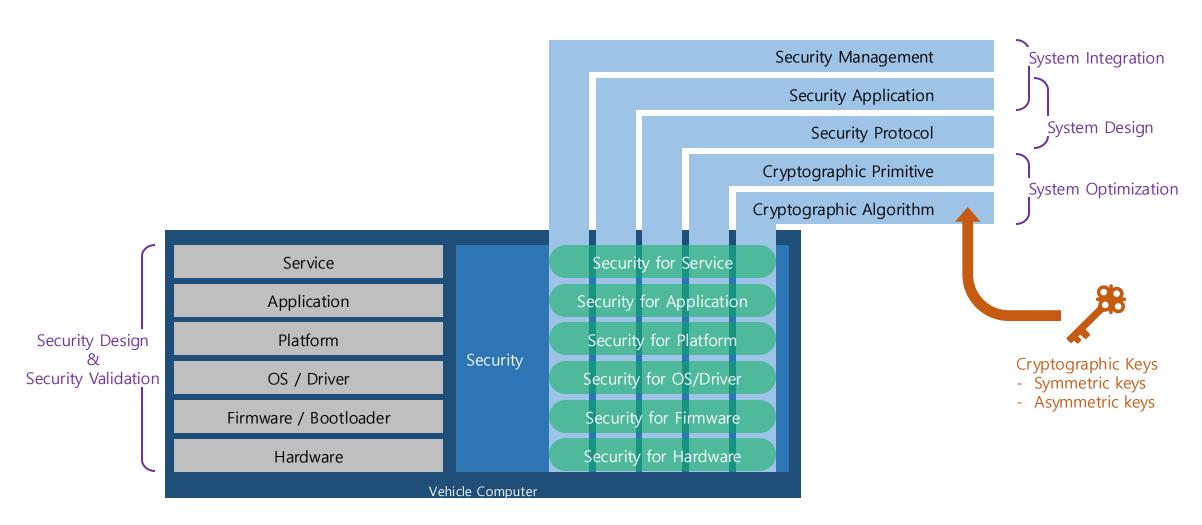
Architectural Layers of SDV



Data Security & Governance

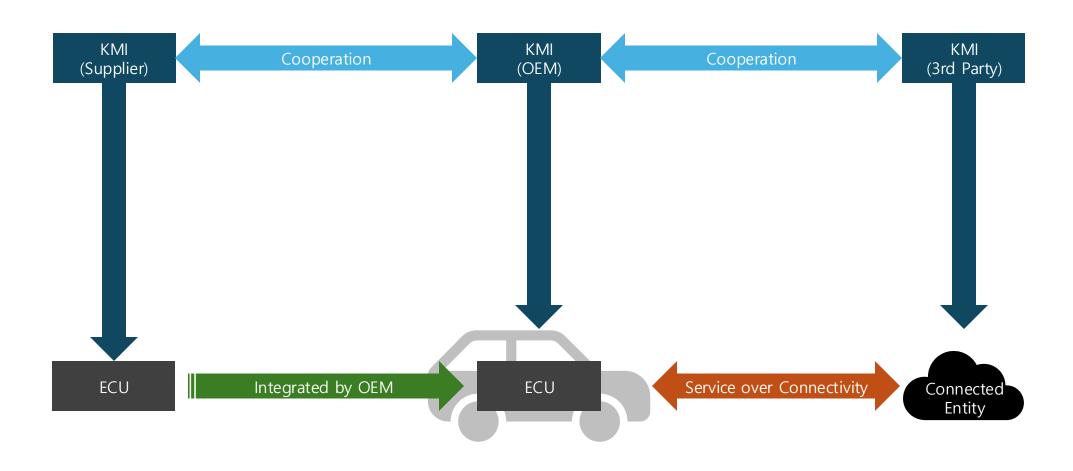


Security, Cryptography & Key

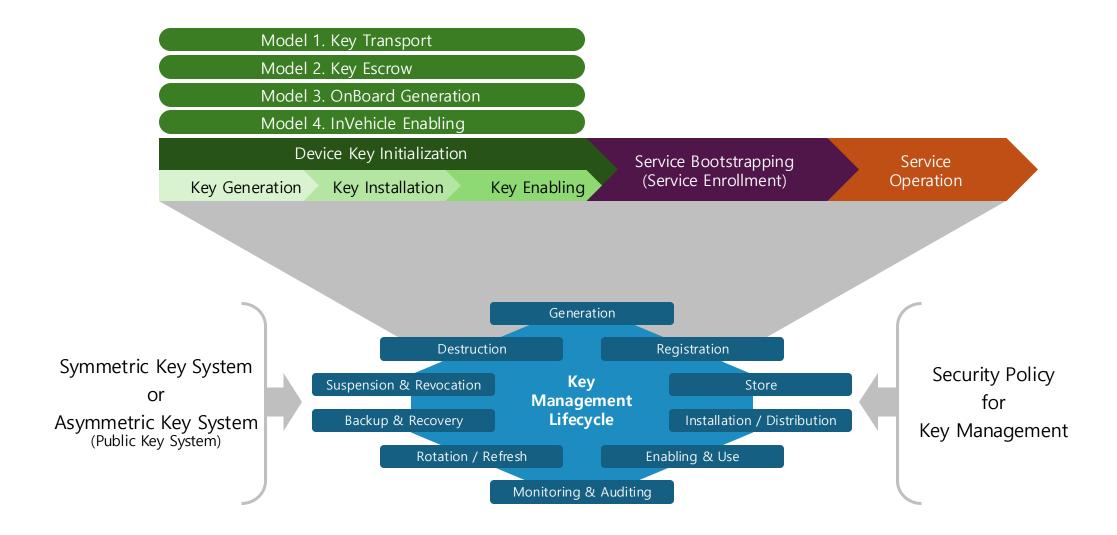


Key Management Infrastructure

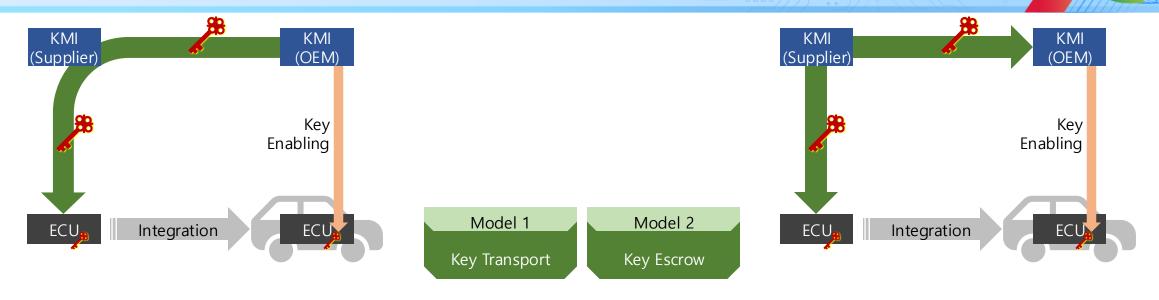




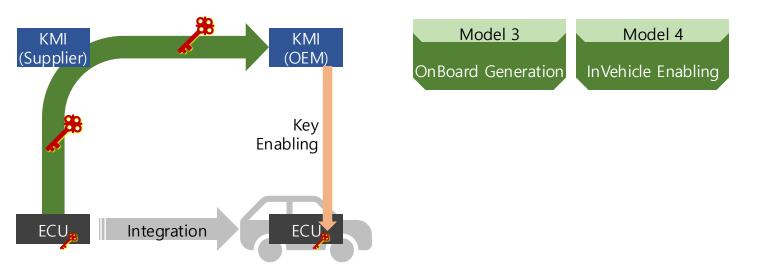
Key Management Lifecycle

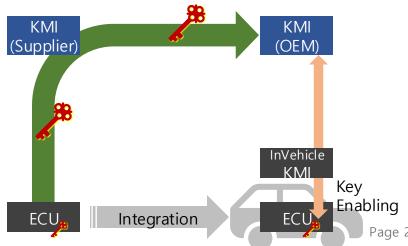


Key Management Infrastructure

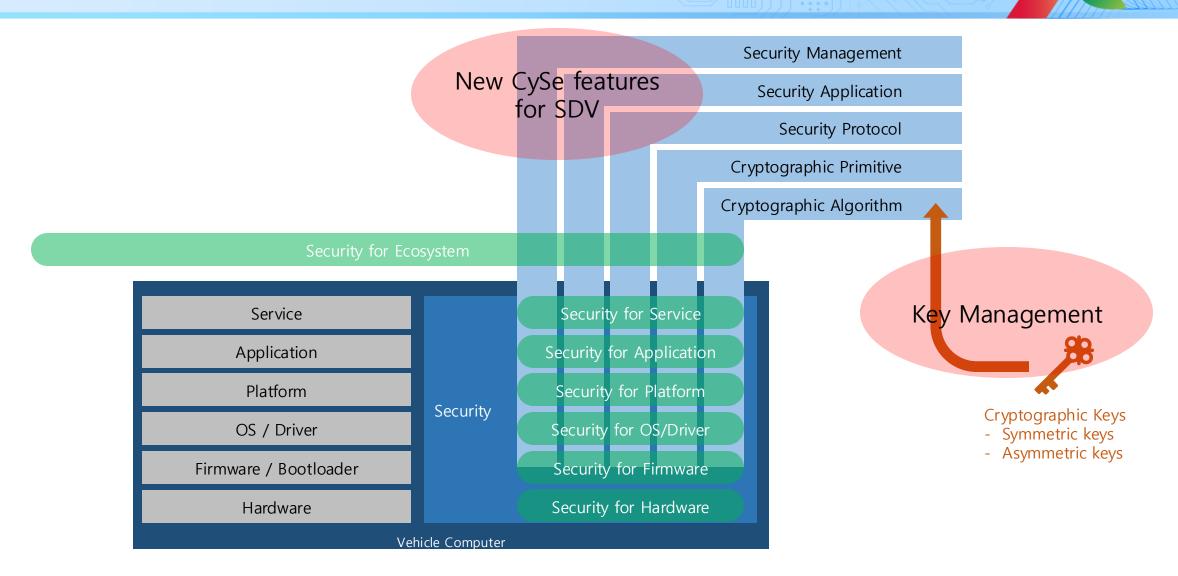


Device Key Initializing Models in Supply Chain





Cybersecurity for SDV









Thank You!



