

Siemens Digital Industries Software

Realize the software defined vehicle with Capital E/E systems development solution

Megatrends

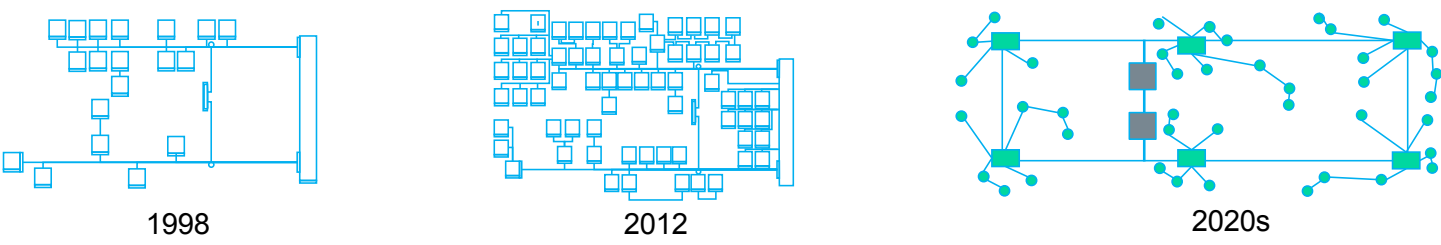
(A)utonomous	(C)onnected	(E)lectrified	(S)hared Mobility
Interoperability of complex functions	Security and data privacy	Weight and battery range	Operational uptime and user availability
E/E 7% CAGR \$469 billion 2030	Autonomous car 4 TB data daily	55% new car sales by 2030	\$1.5 trillion services revenue
Source McKinsey	Source Strategy Analytics	Source PWC	Source McKinsey

“The critical role of software and its importance to our vehicles, both now and for years to come, cannot be overstated.”

President General Motors, Mark Reuss

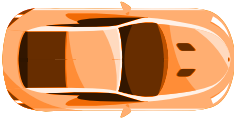


Increasing content is driving an E/E architecture evolution



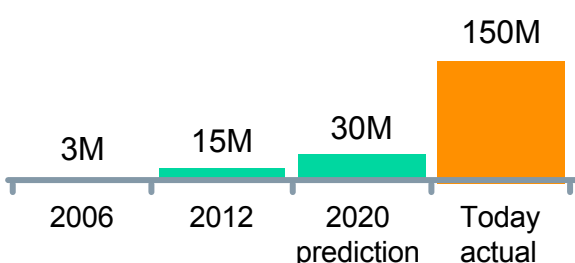
“80% of product innovation and differentiation is now electrical, electronics and software”

Siegmar Haasis, Daimler R&D CIO.

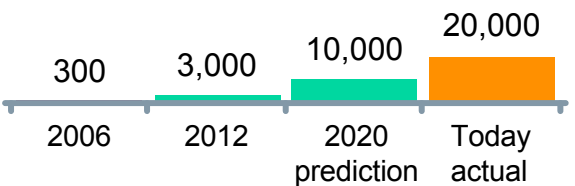


Industry Challenge: Innovation-driven complexity and introduction of the software driven vehicle (SDV)

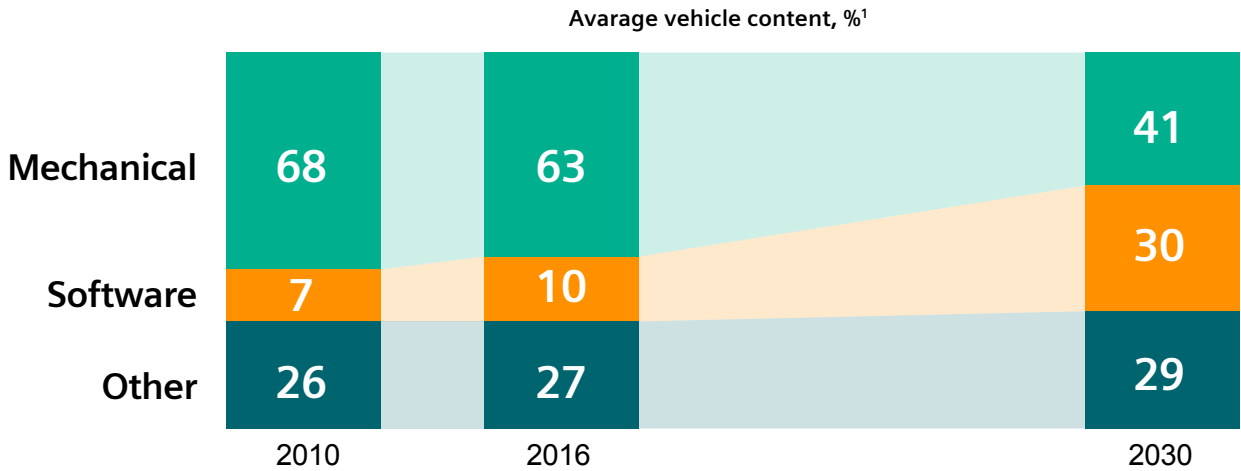
Number of Software Lines Of Code



Number of Network Signals

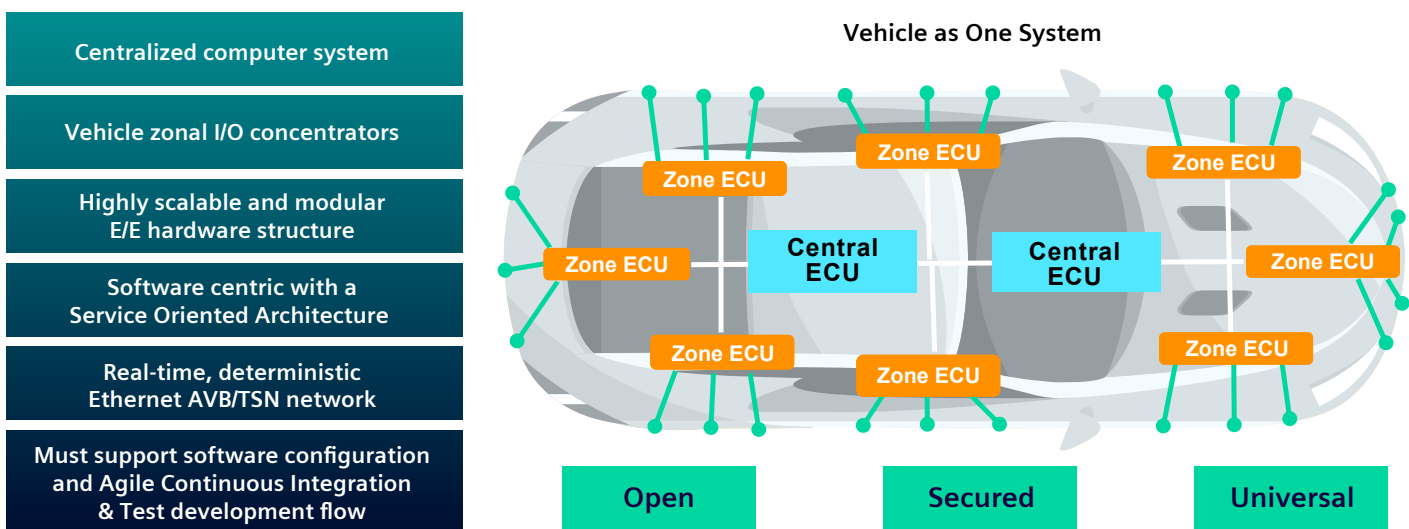


Focus is on the software

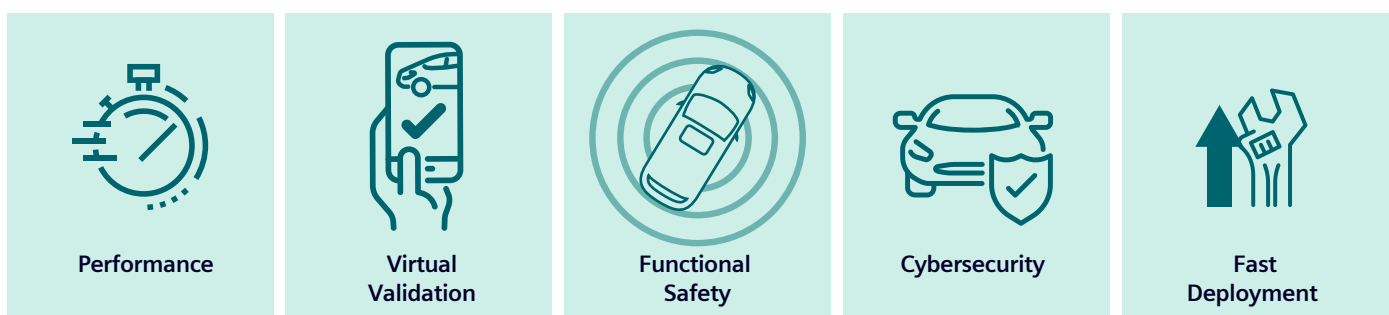


Source: McKinsey Center for Future Mobility

Key architectural directions



Tooling and in-vehicle software for ECU development



Statistics

-44%

On the time it took to integrate a network signal database
CEVT

-50%

Cut in-vehicle network design time
CEVT

“80% of product innovation and differentiation is now electrical, electronics and software.”

Siegmar Haasis, Daimler R&D CIO

“Software will account for 30 percent of total vehicle content by 2030, up from about 10 percent today.”

McKinsey

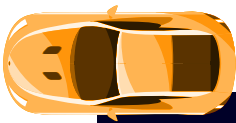
“Emergence of software as a key differentiator will make many existing competencies obsolete.”

Lazard Roland Berger

What our customers say

“With Capital Networks, we’re able to visualize and understand design issues before they become an issue with our suppliers.”

Jeremy Parker, Operations Manager, Electrical Department CEVT.



“With Capital VSTAR and professional onsite support Rivian’s Vehicle Platform Team was able to meet critical internal milestones”

Rivian.

