ONLY YEARS UNTIL EV ADOPTION REACHES CRITICAL MASS¹²

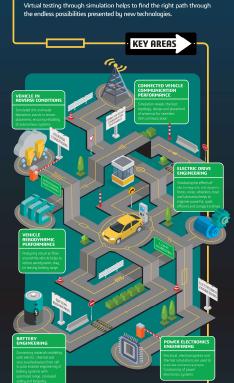
APPROXIMATELY

CHARTING THE SHORTE
MOST EFFICIENT PATH T MABLE ELECTRIC, CONN AUTONOMOUS VEHICLE

Global demand is mounting for a safer, more efficient, and more environmentally-friendly alternative to traditional gas-fueled vehicles, and both entrepreneurs and major mandacturers are racing to meet it. The emerging consensus is that Electric, Connected and Putnonmous Vehicles (ECRV) will be the answer—but designers and engineers must simultaneously resolve many challenges in order to bring viable solutions to market. And they must do so quickly.



THE ECAV ROADMAP:
NAVIGATING THROUGH THE MAZE OF
AND INTERCONNECTED SYSTEMS



ECRV developers need to quickly reach a parallel level of quality and regulatory standards with traditional wehicle manufacturers in order for their solutions to be viable in the marketplace. The need for rapid parallel advancement in all areas of ECRV development makes simulation an indispensable part of the development process, accelerating creation of optimal designs.

Integration of different simulation disciplines on the 3DEXPERIENCE platform enables the creation of a true 3DEXPERIENCE twin a virtual replication of a complex system for fast and flexible performance assessment and optimization.



BUILDING UP know-how and experience in new domains and technologies

sues early in the elopment process

REDUCING drastically the need for physical prototyping and testing

25%

33% **50%**

FROM 4 WEEKS TO 1 DAY*

||||- Digital Simulation enables engineers to navigate the full range of solution possibilities associated with key ECRV challenges, test hypotheses, and rapidly refine designs for optimal outcomes.





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