

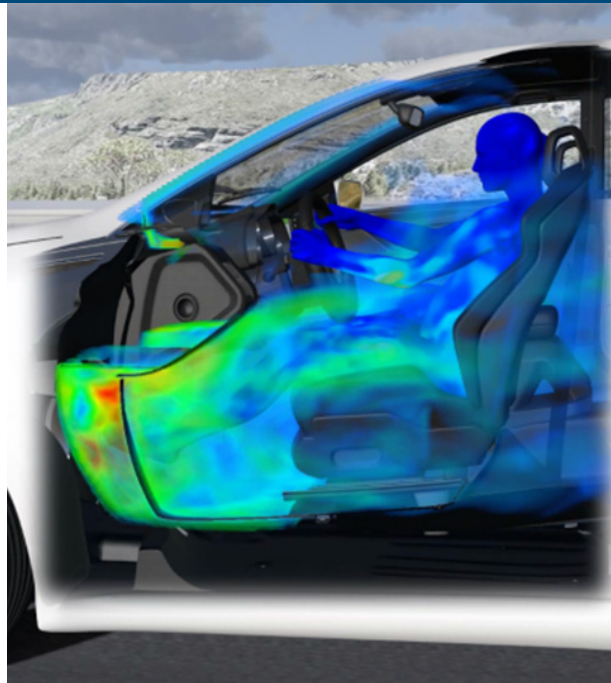
DRIVING INTO THE SUNSET: EV PASSENGERS SHOULD NOT HAVE TO CHOOSE BETWEEN COMFORT AND RANGE

CHALLENGES

Regulating cabin temperature in EVs often depletes its energy sources. Climate control is the second main source of battery range reduction, with up to 50% lost to the cabin climate control in extreme weather conditions.

How do automakers continue to provide the best cabin experience while still making sure the vehicle gets to its destination?

Simulation solutions from Dassault Systèmes provide an easy-to-use interface and state-of-the-art solver technologies for fast and accurate results, ensuring optimized cabin climates for driver comfort while preserving energy consumption.



BENEFITS OF SIMULATION

Explore concepts

- Use simulation to evaluate cabin comfort concepts from thermal, acoustics, mechanical, electronics and other perceived comfort measures before a prototype is even built

Improve time to market and product quality

- Digital design and simulation allows engineers quickly test design concepts using simulation upfront in the design process thus reducing cost of rework later

Collaborate efficiently

- Work with single source of truth on **3DEXPERIENCE**® platform—all stakeholders collaborate on the most recent design avoiding inefficiencies, errors and delays