IS YOUR BATTERY FIT?

A guide to fast and flexible engineering decisions to win the e-mobility championship

THE BATTERY GRAND CHALLENGE

5X 50% Sales of electric vehicles are expected to increase 15 times by 2030! ^{1,2}

The battery represents up to 50% of the total electric vehicle cost today.³



NEW VEHICLES

The race is on globally to introduce new vehicle types-shared, connected, autonomous, and purpose-tailored vehicles on the ground, air and sea.

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COST AND PERFORMANCE

Manufacturers are looking to reduce the high upfront battery costs, without compromising performance and safety. They must find ways to leverage technology innovations such as evolving Li-ion solutions, solid-state, and those to scale production and the supply chain.



KNOW-HOW

Decentralized know-how across organizations is preventing the agile engineering of the right-for-each-vehicle batteries and their timely delivery.













VIRTUAL FIELD FOR BATTERY DEVELOPMENT







Are you ready to take on the challenge? Let us help you! To learn more, visit go.3ds.com/TrustTheDrive

REFERENCES 1. "Global EV Outlook 2018", International Energy Agency 2. www.ev-volumes.com/country/total-world-plug-in-vehicle-volumes 3. "In-depth: eMobility 2018", Statista Mobility Market Outlook - Trend Report

SAFETY

LIFESPAN

COST RANGE



The **3D**EXPERIENCE[®] platform offers a collaborative and connected environment of digitally united best-in-class solutions



