IS YOUR BATTERY FIT?

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

THE BATTERY GRAND CHALLENGE

15X 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 today³



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.



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.



WHAT MAKES A WINNING BATTERY?







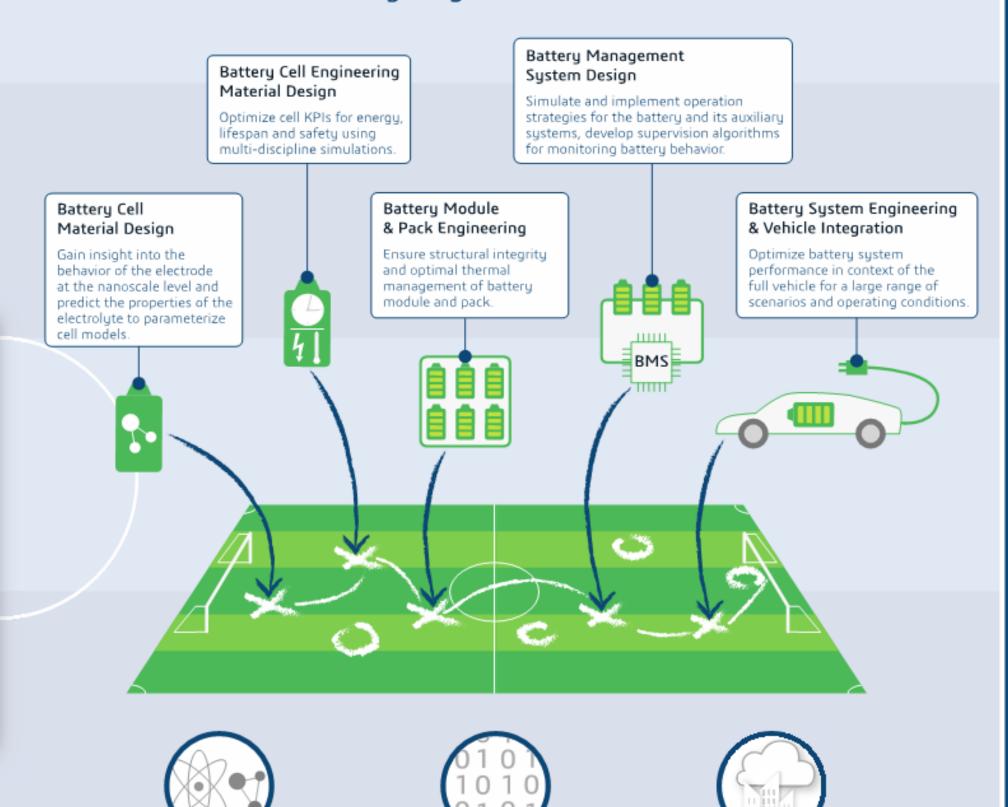


RANGE



VIRTUAL FIELD FOR BATTERY DEVELOPMENT

The 3DEXPERIENCE® platform offers a collaborative and connected environment of digitally united best-in-class solutions



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

Data Driven

On Premise, On Cloud

REFERENCES

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

All Physics, All Scales