



3DEXPERIENCE®

TRANSPORTATION & MOBILITY **ELECTRO-MOBILITY ACCELERATOR**

Industry-leading cloud platform for EV mobility innovation



**HOW CAN GLOBAL
EV INNOVATORS
ACCELERATE CONCEPTS,
VALIDATE PERFORMANCE
& OPTIMIZE MANUFACTURING,
ON AN INTEGRATED
CLOUD PLATFORM?**

New Electric Vehicle innovators and global OEMs have many challenges in common. Competition has never been greater to converge new EV concepts, support early feasibility, engineer highest performance, and accelerate innovative vehicles to market, all while optimizing costs, quality and customer experience.

Electro-Mobility Accelerator solutions provide the industry-proven capabilities to germinate new EV vehicle ideas, explore regional options, virtually simulate & validate performance, and ensure flexible, lean manufacturing, all on one secure, powerful platform.

Global industry leaders have relied upon our **3DEXPERIENCE®** cloud-based applications to capture and assess social media intelligence, analyze market demand, then develop and deliver customer-preferred innovations to market, faster and more efficiently than their global competitors.

FOCUSED, CONTINUOUS VALUE DELIVERY

New customer priorities, and profitable opportunities are flowing at record pace. For competitive advantage you must enable your teams to define and track customer experience priorities, from concept ideation to delivery. Electro-Mobility Accelerator **3DEXPERIENCE** solutions provide capabilities to create customer requested features, while optimizing re-use and profitability, using a modular portfolio approach. You can also improve productivity with lean, agile governance, and monitor project execution and decision support with real-time analytics.



ACCELERATED MOBILITY CREATION

Social media continues to provide strategic insights to timely customer preferences. But with sizeable investments and precious resources at stake, your team needs a dependable, secure social platform, with digital continuity, to enable collaborative development and traceability, while converging industry trends, to mobility ideas, to 3D concepts. Leverage industry-leading CATIA design & engineering applications to unleash creativity, explore options, and ensure ultimate performance.

EVALUATE, VALIDATE & SIMULATE EARLIER

Once optimal concepts are targeted, your teams can pursue global collaboration within a unified, virtual environment. Enable validation of concept feasibility earlier, considering business and technical criterion, thanks to conceptual architecture mockup. Model, simulate and evaluate alternatives from multiple perspectives of cost, performance, and overall user experience. Ensure fulfillment of specifications and optimal quality before proceeding to detailed design. And gain faster, more efficient vehicle iterations between your multiple domain experts, from design, engineering, simulation & analysis, to manufacturing.

DESIGN/ENGINEER RIGHT THE FIRST TIME

As customer and industry requirements become progressively more sophisticated, and demand cycles shorter, design and engineering efficiency and accuracy are critical success factors. Real-time collaboration on a virtual, integrated 3D platform can expedite convergence, and ensure 'right the first time' results. 'Design in Configured Context' capabilities will also improve part re-use, and enhance traceability. Electro-Mobility Accelerator solutions enable advanced management of multi-discipline design & validation, from Body In White, to systems engineering, to additive manufacturing/composites.

IMPROVE MANUFACTURING AGILITY & CONTINUITY

Considering industry trends for 'mass customization' efficient, agile manufacturing and production can make the difference between profits & losses. Manufacturing flexibility solutions can improve quality, minimize waste, and shorten fabrication & machining processes. A centralized 'single source of truth' platform ensures digital continuity, from concept development and testing to final validation and production. Get early validation of manufacturing feasibility for tooling, robotics and assembly processes. Standardize, capitalize and optimize processes across global vehicle programs to beat competitors to market.

CLOUD-BASED INNOVATION PLATFORM

Our secure, responsive cloud solutions provide better flexibility, fast deployment, and include maintenance, licensing, and upgrades. Total Cost of Ownership is improved by reducing requirements for computing and storage, as well as facility and resource costs, EMA cloud solutions can empower enterprises of all sizes, and enable rapid sizing and capability deployment.

KEY CAPABILITIES & BENEFITS

- All-in-one collaborative cloud solution to imagine, create, design, simulate & deliver new mobility concepts /services
- Innovative, multi-domain capabilities (function-based round trip optimization, simulation /validation, electric battery development, composites, additive manufacturing)
- Virtually define, evaluate and improve overall mobility performance, earlier and throughout development cycle
- Integrated governance to improve productivity, reduce development costs and track delivered value to customers

Our **3DEXPERIENCE**® platform powers our brand applications, serving 12 industries, and provides a rich portfolio of industry solution experiences.

Dassault Systèmes, the **3DEXPERIENCE**® Company, provides business and people with virtual universes to imagine sustainable innovations. Its world-leading solutions transform the way products are designed, produced, and supported. Dassault Systèmes' collaborative solutions foster social innovation, expanding possibilities for the virtual world to improve the real world. The group brings value to over 190,000 customers of all sizes in all industries in more than 140 countries. For more information, visit www.3ds.com.

