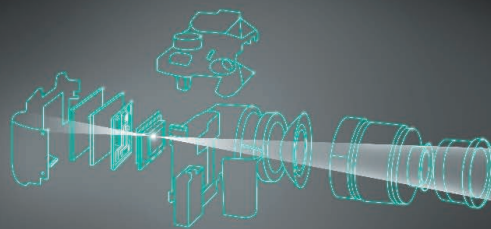




3DEXPERIENCE

HIGH-TECH SMARTER, FASTER, LIGHTER INDUSTRY SOLUTION EXPERIENCE

END-TO-END UNIFIED MECHATRONICS DESIGN
WITH THE **3DEXPERIENCE** PLATFORM



Exquisite Coordination is Beautiful Art

SIMPLIFY AND ACCELERATE COLLABORATION TO DESIGN RIGHT THE FIRST TIME

Smart home, smart car, smart appliances—markets are moving from single-function to multifunction, interconnected, and requirement driven. Successfully designing and manufacturing complex mechatronics for rapidly growing markets requires an integrated engineering approach across the extended enterprise. **SMARTER, FASTER, LIGHTER Industry Solution Experience** combines software and services from Dassault Systèmes **3DEXPERIENCE** Platform to enhance collaboration, management, and tracking to prevent delays and minimize costs in a unified design process for complex mechatronics.

IF WE put in place **a perfect orchestration** of multidisciplinary engineering teams, we can **deliver smarter, faster, lighter products.**

SMARTER, FASTER, LIGHTER Industry Solution Experience combines software and services to provide a unified and powerful mechatronics collaborative platform. It enables end-to-end traceability so companies can simultaneously master multiple disciplines in the development process. This helps you discover integration errors earlier, improves collaboration, and accelerates complex system design. One customer has improved its time-to-market by 35% and saved hundred million dollars in product and development costs in the first year.

MEET MARKET REQUIREMENTS TO INCREASE CUSTOMER SATISFACTION

Your customers want feature-rich products that satisfy their expectations. **SMARTER, FASTER, LIGHTER Industry Solution Experience** enables organizations to capture customer, regulatory standards, and market-driven requirements that are essential for delivering on-time successful products. Requirements can be defined and decomposed into a hierarchy, then met through design, implementation, and testing of final products with end-to-end traceability. Companies can master customer expectations, guarantee product validation, and ensure product convergence.

MANAGE COMPLEXITY AND INTELLECTUAL PROPERTY TO "DESIGN RIGHT THE FIRST TIME"

Designers and engineers need access anytime from anywhere to the single source of the most up-to-date data. **SMARTER, FASTER, LIGHTER Industry Solution Experience** helps innovative companies manage their mechatronics engineering activities from product specifications to after-sales support.



A single repository stores all development data (from specifications, 3D models, and analysis results to manufacturing requirements), with secure access in real time by relevant stakeholders. It manages ready-to-use, cross-discipline business processes and provides global online collaboration for stakeholders, including mechanical, electronics, and software design teams. IP protection and reuse is ensured. You design right the first time.

END-TO-END VIRTUAL SIMULATION MINIMIZES DEVELOPMENT AND MANUFACTURING COSTS

After only 15% of your development budget has been spent for your new product, 85% of the direct product cost has been locked in. With **SMARTER, FASTER, LIGHTER Industry Solution Experience**, your engineering team can perform virtual testing and life prediction to anticipate complex real world behavior with best-in-class steady-state and transient analysis. Errors are detected early in the design process to help increase product quality and reliability, while you reduce the need for physical prototypes and save development time and cost. Integrating simulation early in the design process accelerates your design decisions and helps get products to market faster.

Key Benefits of SMARTER, FASTER, LIGHTER Industry Solution Experience :

- Increase customer satisfaction and loyalty
- Reduce time-to-market
- Enhance design right the first time
- Minimize development and manufacturing costs