



**3DEXPERIENCE®**

## TRANSPORTATION & MOBILITY **INNOVATION ON TRACK**

Enables rolling stock innovators to pursue more diversified, profitable developments



### **HOW CAN ENHANCED DESIGN, COLLABORATIVE ENGINEERING, AND INTEGRATED GOVERNANCE LOCOMOTE YOUR GROWTH AND PROFITABILITY?**

New global opportunities are more diversified, require advanced systems engineering, and demand real-time, multi-site governance. Rolling Stock innovators are challenged to advance their product performance and ensure enterprise collaboration, all while enhancing safety, reliability and optimizing profitability.

INNOVATION ON TRACK 3DEXPERIENCE solutions provide your teams with the sophisticated capabilities, railway industry-proven tools, and integrated processes to pursue new complex opportunities; optimize design, engineering, and manufacturing performance; enable asset re-use and modularization; and ensure profitable, on-target delivery.

## ENABLES ROLLING STOCK INNOVATORS TO PURSUE MORE DIVERSIFIED, PROFITABLE DEVELOPMENTS.



### Unify global projects with integrated governance

Innovation on Track solutions provide a global platform to assess and secure new opportunities. Integrated governance and change management support can provide assurance that your global teams are fulfilling requirements and meeting milestones. The **3DEXPERIENCE** platform provides a single source of truth for all stakeholders, allowing them to collaborate in an integrated, dynamic 3D environment. This enhances global/local (glocal) collaboration to fulfill train maker requirements and ensure that your innovation is delivered on time.

### Enhance your wins with more profitable results

Key challenges for rolling stock innovators are winning tenders and limiting cost overruns, within an increasingly competitive marketplace. All too often, new industry business is pursued within a short time frame with limited opportunities or resources to precisely assess all options and elements of the project. Innovation on Track solutions enable suppliers both to answer requests for proposals more efficiently and to accurately answer train OEM requirements, thus increasing suppliers' win/loss ratio, minimizing errors and accelerating delivery on target.

### Enable multi-disciplinary global collaboration

Strengthen your competitive advantage by unifying multi-disciplinary efforts in document management, BOM management, project management and multi-CAD management. The **3DEXPERIENCE** platform will help to create "the virtual train" environment, bringing together both your precise mockup and systems command. This will further enable you to simulate behavior very early in the design process and throughout the development cycle, and ensure better communications.

## 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 170,000 customers of all sizes in all industries in more than 140 countries. For more details regarding **INNOVATION ON TRACK** industry solutions, go to [www.3DS.COM/TRANSPORTATION](http://www.3DS.COM/TRANSPORTATION)



### Sync holistic systems engineering performance

Innovation on Track also includes an advanced systems engineering solution to support complex product design. Capture requirements from rail operators, define and validate the systems architecture, then simulate and virtually validate systems performance, all within one unified platform.

### Minimize your risk with proven industry solutions

Leveraging general office applications to appraise and develop new business proposals is both risky and can be costly when managing sophisticated global opportunities. Innovation on Track solutions support systematic processes with railway industry-proven checks and methodologies. Plus, ControlBuild capabilities enable an innovative environment for designing and validating critical control software applications, minimizing costly production delays.



### Validate manufacturability to deliver on target

No comprehensive solution is complete without advanced capabilities for manufacturing and production. From model and tooling design and simulation, to manufacturing and assembly processes, suppliers can ensure they deliver precisely in time and on target.

#### INNOVATION ON TRACK SOLUTION BENEFITS:

- Accelerate, improve profitable opportunity bid/win ratio
- Use governance to enable global multi-site project success
- Leverage integrated systems engineering for mechatronics
- Ensure producibility with fabrication and assembly planning
- Optimize global manufacturing resources and processes