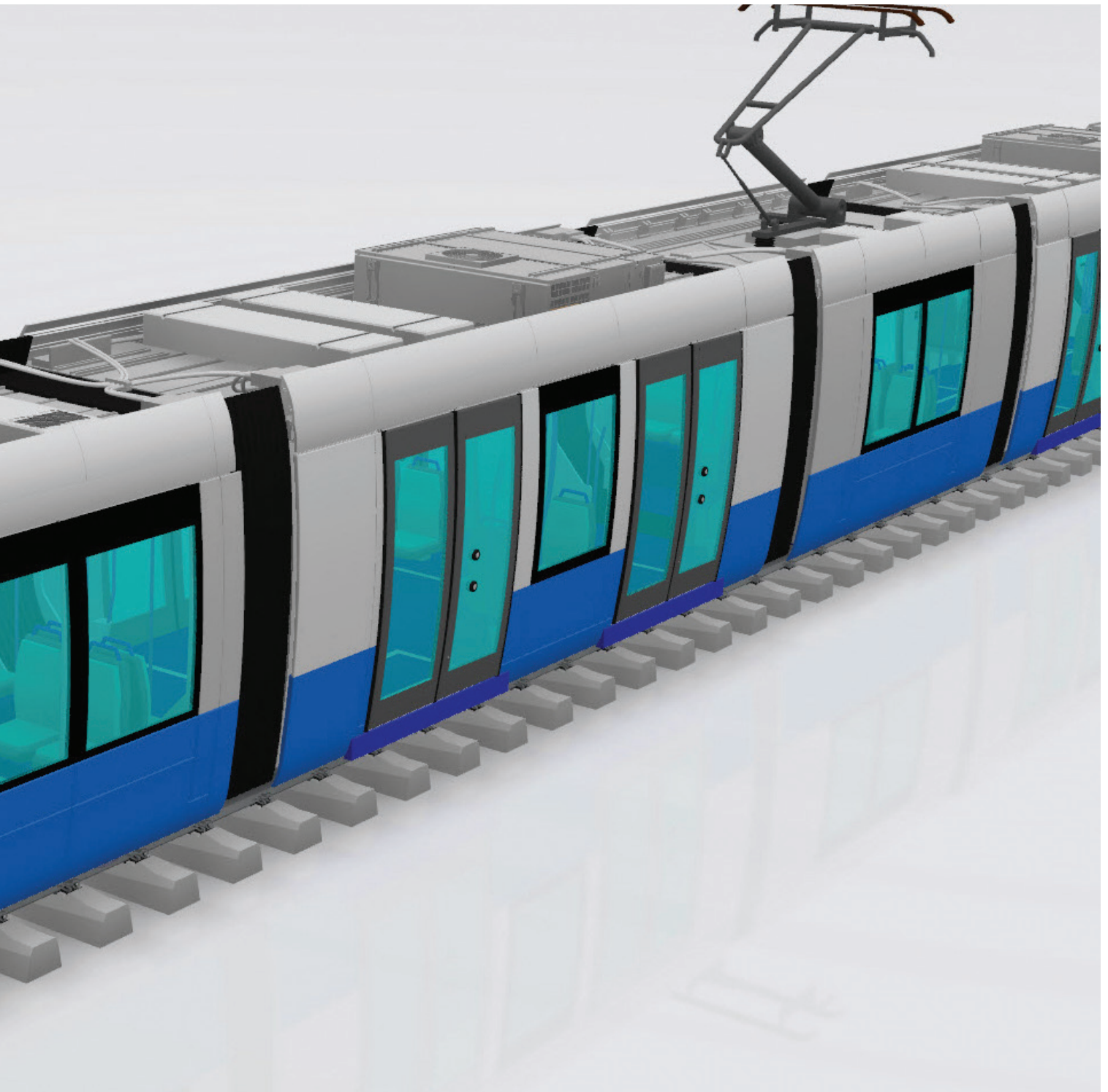




3DEXPERIENCE®

PROCESS PLANNING & VIRTUAL BUILD

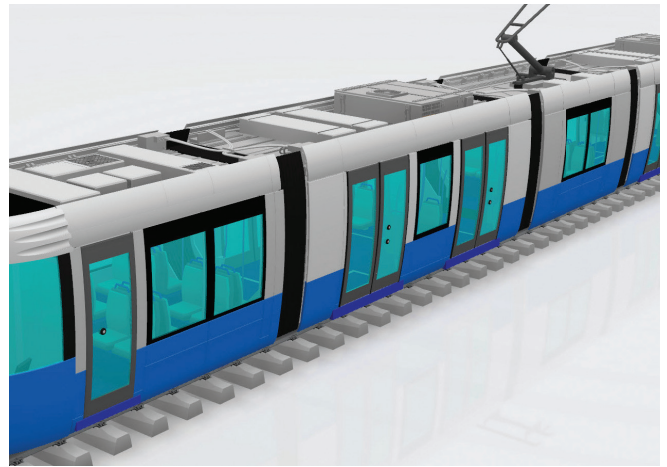
TRANSPORTATION & MOBILITY



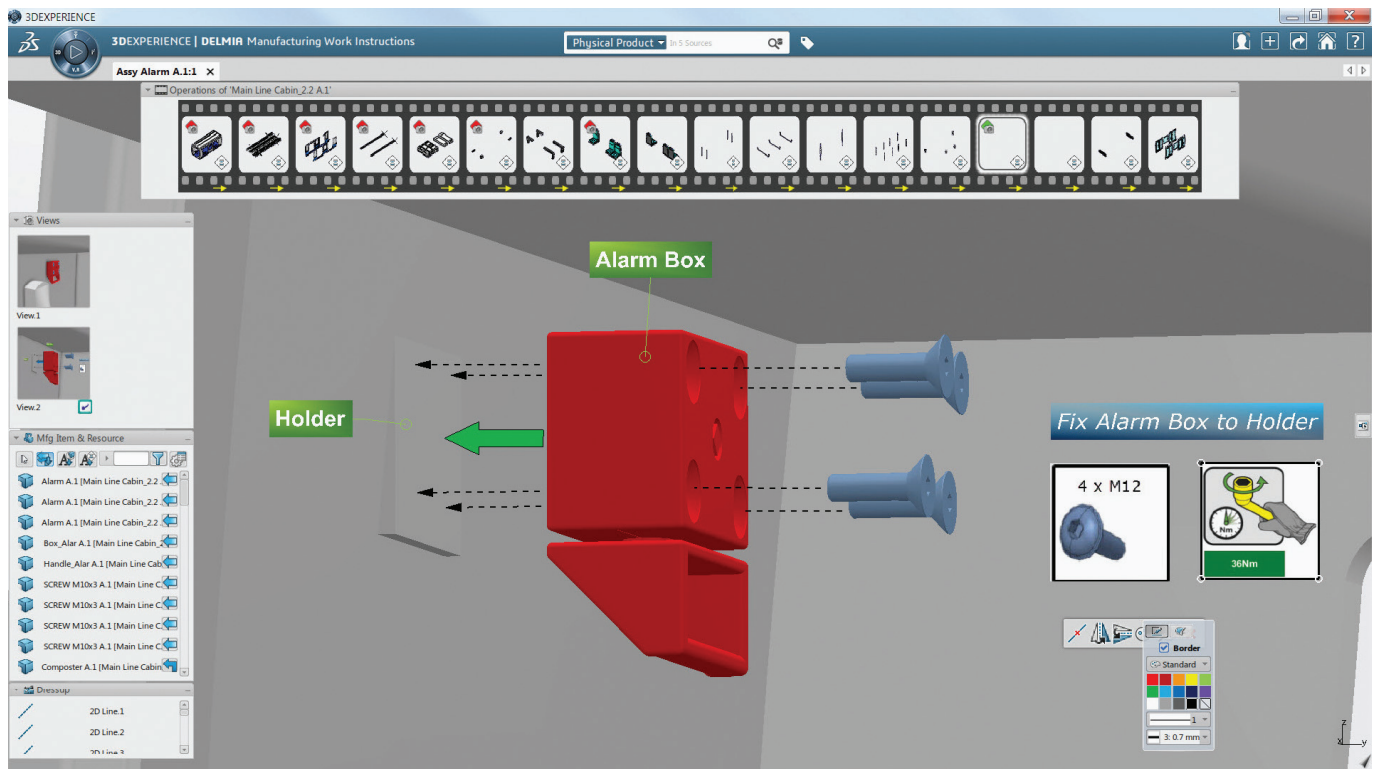
3D Planning and Work Instructions

DELMIA's Process Planning & Virtual Build for the Transportation & Mobility industry provides a comprehensive process, layout and work instructions planning solution for train manufacturers and their suppliers.

DELMIA's Transportation & Mobility Process Planning & Virtual Build solution enables engineers working in the **3DEXPERIENCE®** environment to develop process plans and work instructions in the context of the assembly line before any physical builds. Working with a digital twin of manufacturing facilities and processes, planners get an understanding of the time and effort involved with each operation and the impact of both engineering and planning changes. The solution allows engineers to capture and reuse the best practices from any worldwide production site.



End-to-end process and layout planning for all manufacturing plants



Visual process documentation on the shop floor

INDUSTRY CHALLENGES

- How to minimize potential manufacturing problems before designs are finalized?
- How to increase global manufacturing standardization and collaboration?
- How to improve collaboration between stakeholders through all phases of the program?
- How to achieve better quality on the shop floor and manufacture right the first time?

SOLUTION HIGHLIGHTS

- End-to-end process, layout and work instruction planning for all manufacturing plants
- Digital twin of the manufacturing facilities and processes
- Accurate and up-to-date work instructions for the shop floor
- Easy handling of multiple product variants
- Intuitive 3D user interface to visualize the process

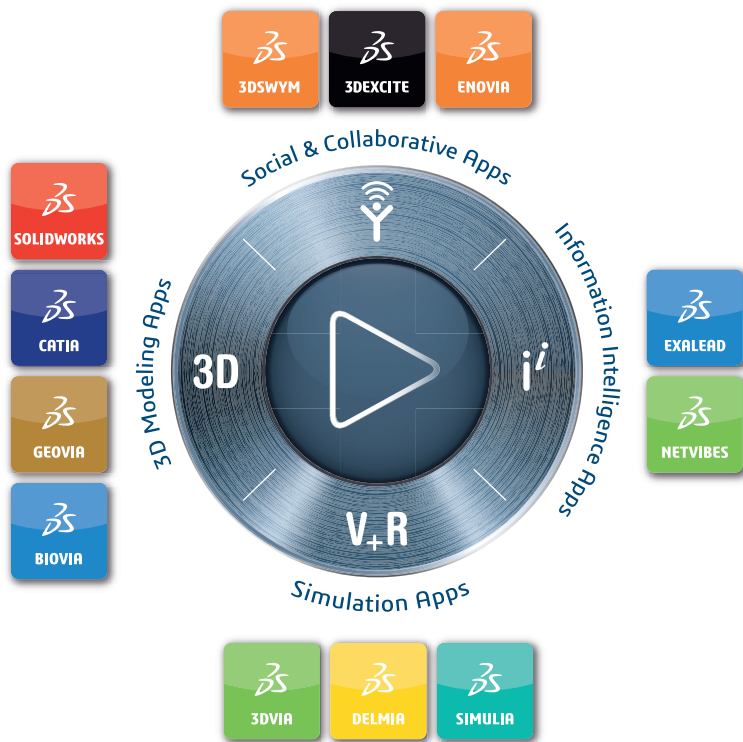
SOLUTION VALUES

- Plan faster by defining a global manufacturing plan reusable by every site worldwide
- Improved manufacturing process understanding for all actors through the clarity of 3D
- Reduce prototypes and anticipate final assembly issues
- Implement late engineering changes without compromising manufacturability and schedule
- Increase flexibility by shifting production of a product from one factory to another

USER ROLES

- Project Manager
- Process Planner
- Process Analyst

For more information, please visit www.3ds.com/DELMIA



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.

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