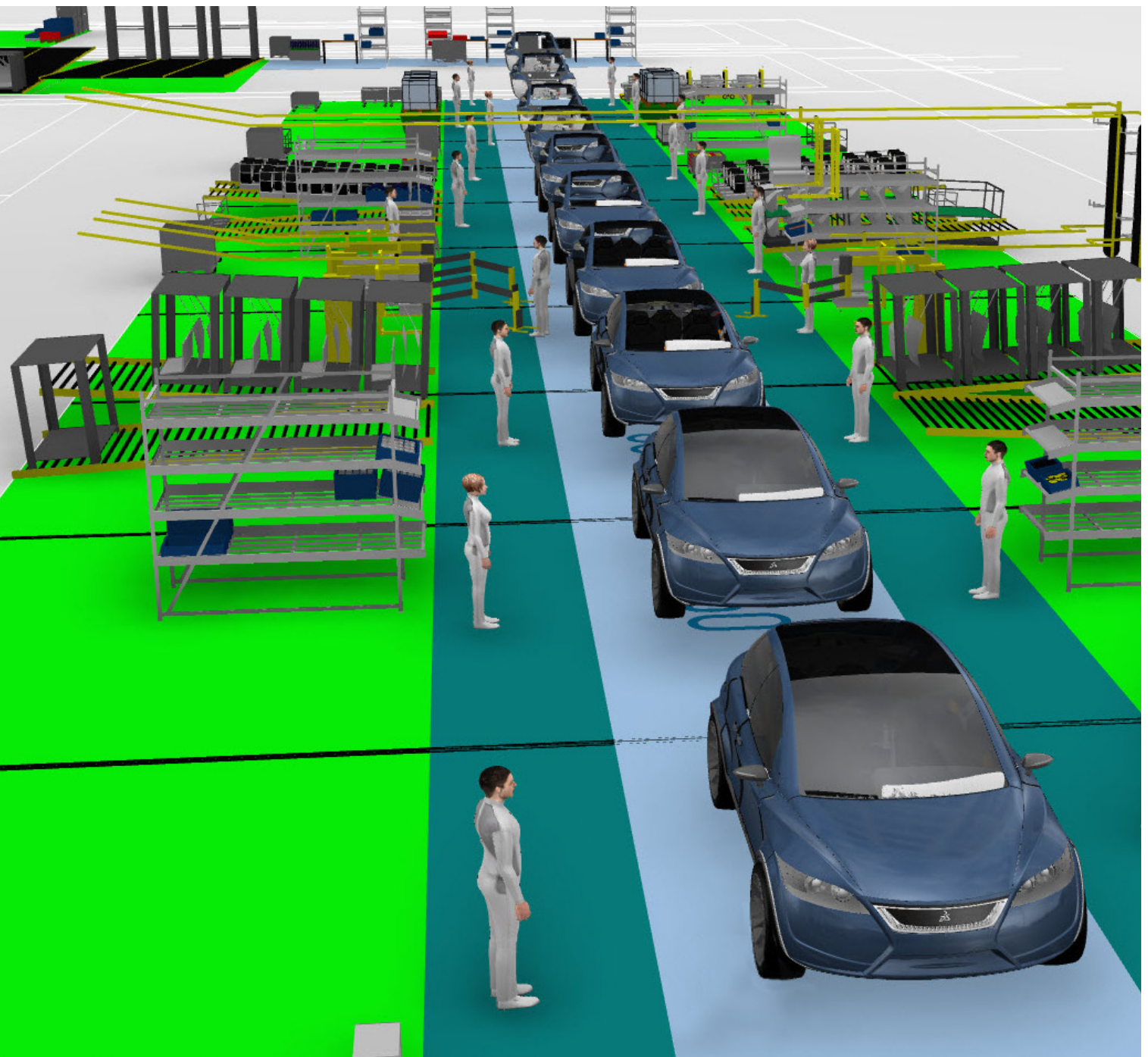


FINAL ASSEMBLY 3D VALIDATION

TRANSPORTATION & MOBILITY

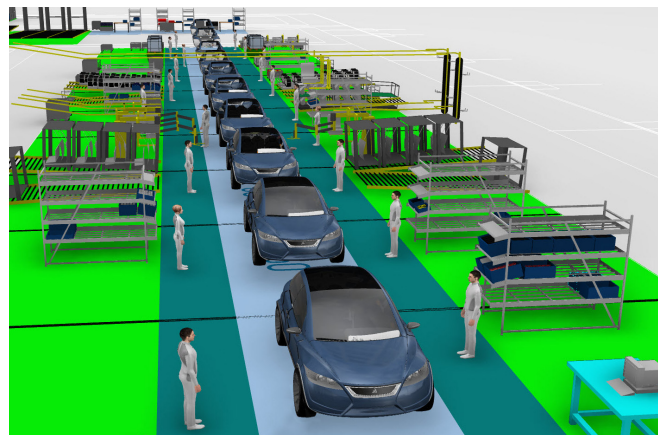


Early 3D Validation of Balanced Processes

*DELMIA's Final Assembly 3D
Validation solution for the
Transportation & Mobility Industry
allows you to determine the most
cost-effective way of building
new vehicles.*

DELMIA's Transportation & Mobility Final Assembly 3D Validation solution reuses manufacturing knowledge of previous car programs to provide the most cost-effective way to validate the build of a new program. DELMIA's intuitive 3D interface provides a real-time view of all sourced components of global suppliers and delivers a complete simulation of the assembly line.

DELMIA's Final Assembly 3D Validation brings OEMs and suppliers together to share a common view of the work being performed and allows them to resolve problems in hours rather than weeks. With DELMIA's unique 3D environment for planning, balancing and validation, manufacturing engineers can navigate through the assembly line in a 3D context with no extra data preparation. This environment allows for a quick and effective reaction to design changes and reduces the amount of time spent in retrieving data. The end result is a dramatic reduction in time spent validating the plan, allowing more time to be invested in optimizing the plan and improving final quality.



3D validation of balanced processes.





Simulate and optimize assembly stations and lines.

INDUSTRY CHALLENGES

- How to identify and solve assembly problems before the start of production?
- How to balance assembly tasks to maximize resource utilization and production throughput?
- How to strengthen the link between design and manufacturing across an extended enterprise?
- How to identify the impact of design changes on assembly processes?

SOLUTION HIGHLIGHTS

- Assembly processes are simulated and validated in 3D at each station in the line
- Modeling and simulation of mechanical equipment and workers
- Ergonomic assessment to improve factory safety
- Online collaboration and review with engineering, suppliers and plants

SOLUTION VALUES

- Maximize space and resource utilization to increase factory performance
- Quickly and effectively react to design changes to increase plan quality and reduce production delays
- Lower the cost of work-related injuries by introducing assessing ergonomics early in the manufacturing process
- 3D validation of balanced processes minimizes the risk of production problems
- Reuse the 3D plan for documentation or training purposes

USERS

- Final Assembly Manufacturing Engineers



Delivering Best-in-Class Products



Virtual Products



Model and Simulate our Planet



3D Design



Information Intelligence



Realistic Simulation



Dashboard Intelligence



Digital Manufacturing and Production



Social Innovation



Collaborative Innovation



3D Communication

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