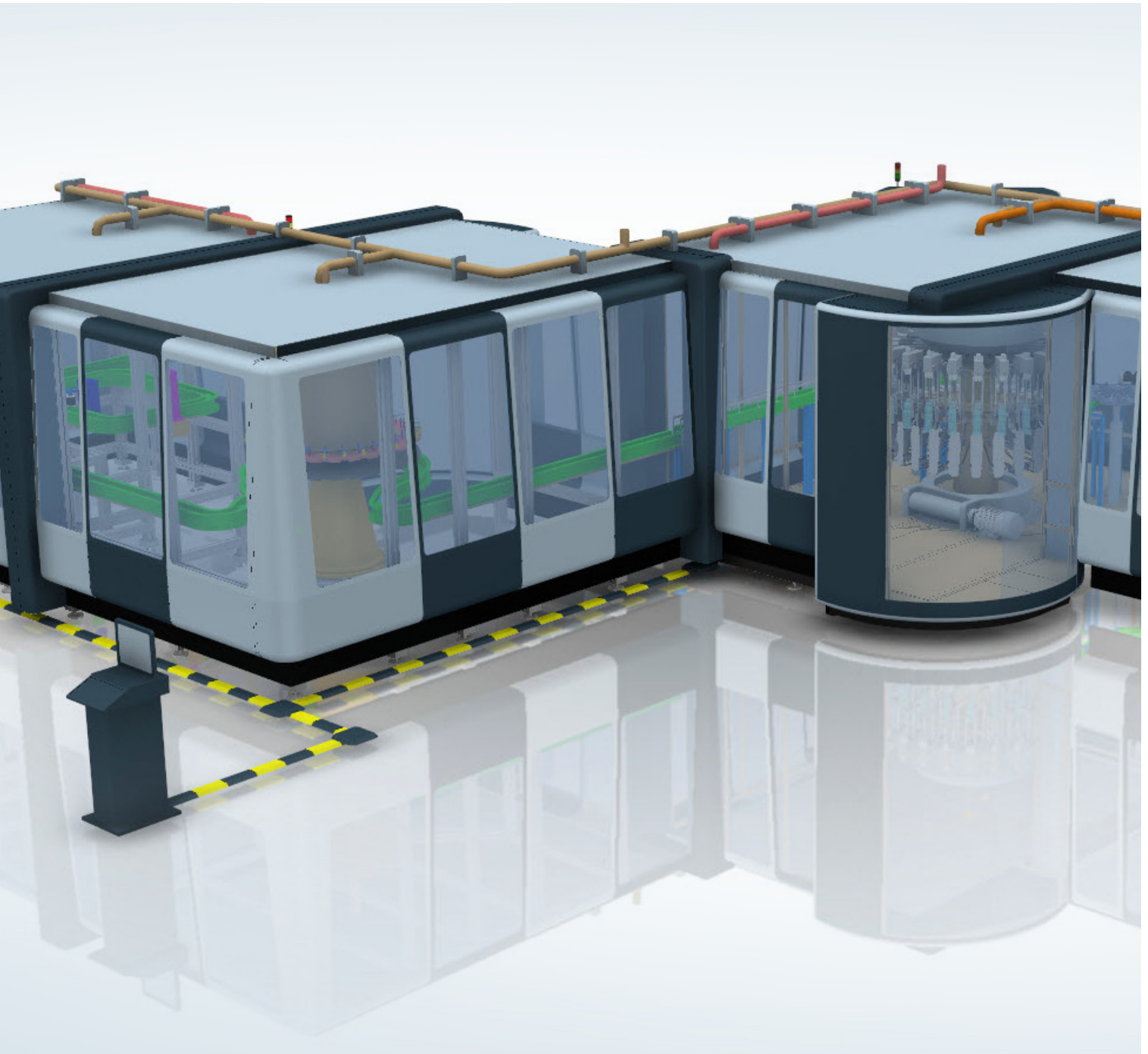


# ASSEMBLY & MANUFACTURING PLANNING

*INDUSTRIAL EQUIPMENT*

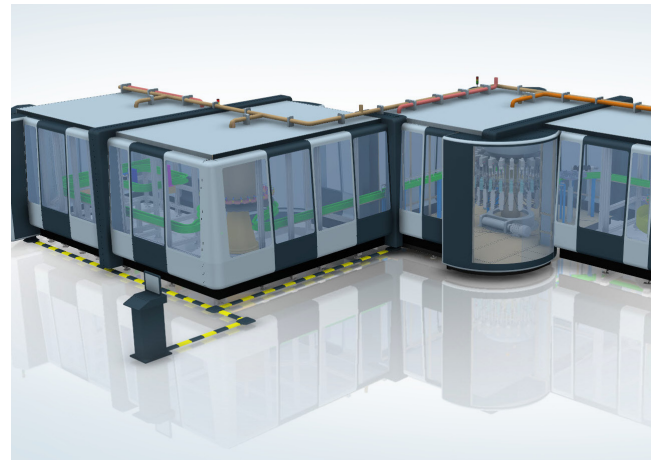


# Plan and Validate Assembly Sequences in 3D

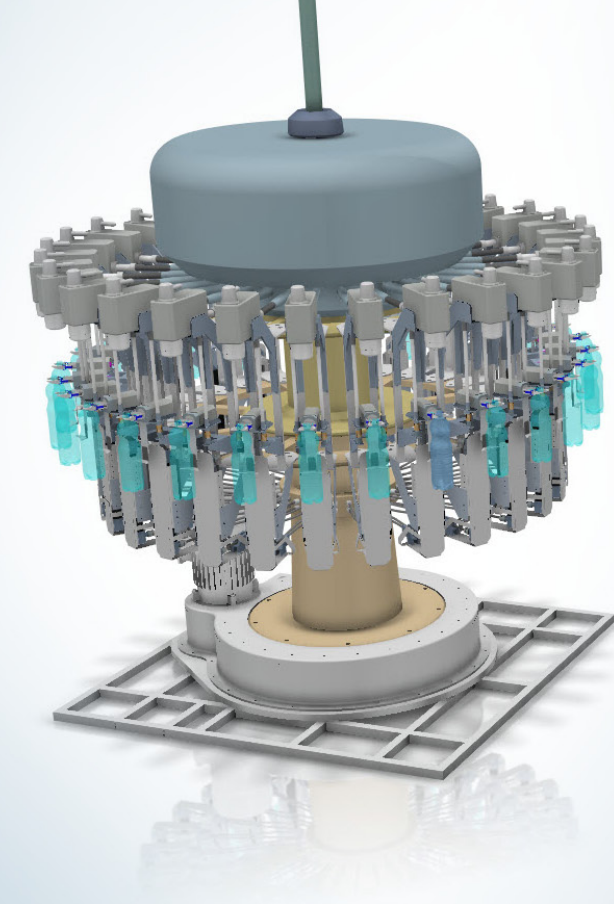
*DELMIA's Assembly and Manufacturing Planning solution for the Industrial Equipment Industry can minimize product development costs by standardizing assembly process best practices to reduce time-to-market and increase first-time quality.*

DELMIA's Industrial Equipment Assembly and Manufacturing Planning solution provides the ability to validate the product design from an assembly and disassembly process context. Assembly Work Instructions allow the planners to communicate work instructions to the shop floor operators in a precise and unambiguous manner.

The manufacturing team can quickly validate product engineering then provide feedback to Design and communicate to the shop floor. Change management between Engineering, Manufacturing and Production is easily managed with a deep cohesive data model that enables a high level of automation.



Validate the product design and identify the ideal assembly process.



Manage supply chain to design, manufacture and install, anywhere.

## INDUSTRY CHALLENGES

- How to transition assembly and manufacturing plans from single machines to complex delivery systems?
- How to decrease product development costs as product complexity increases?
- How to efficiently manage the supply chain to design, manufacture and install, anywhere?
- How to transform suppliers to preferred partners to achieve a more agile, globally distributed value chain?
- How to reduce time-to-market while maintaining quality and flexibility in a competitive environment?

## SOLUTION HIGHLIGHTS

- Plan and validate assembly and disassembly process sequence in 3D
- Manufacturing planning enables cycle time study, and resource allocation, and is the basis for shop floor work instructions
- End-to-end process traceability to manage engineering change impacts, cost and delays
- Standardize and reuse best practices

## SOLUTION VALUES

- Save time and cost with an improved product development process, with design for manufacturing and efficient change management
- Lower cost of ownership by managing single IP reference, including product-process data integration
- Reduce manufacturing costs and time-to-market with precise work instructions
- Minimize prototyping costs with early manufacturing feedback to design
- Increase first-time quality, leading to faster product realization and acceptance
- Increase manufacturing flexibility for a competitive order fulfillment
- Minimize work instruction errors and ambiguity on the shop floor

## USERS

- 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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### About Dassault Systèmes

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#### Europe/Middle East/Africa

Dassault Systèmes  
10, rue Marcel Dassault  
CS 40501  
78946 Vélizy-Villacoublay Cedex  
France

#### Asia-Pacific

Dassault Systèmes  
Pier City Shibaura Bldg 10F  
3-18-1 Kaigan, Minato-Ku  
Tokyo 108-002  
Japan

#### Americas

Dassault Systèmes  
175 Wyman Street  
Waltham, Massachusetts  
02451-1223  
USA

Visit us at

**[3DS.COM/DELMIA](http://3DS.COM/DELMIA)**

