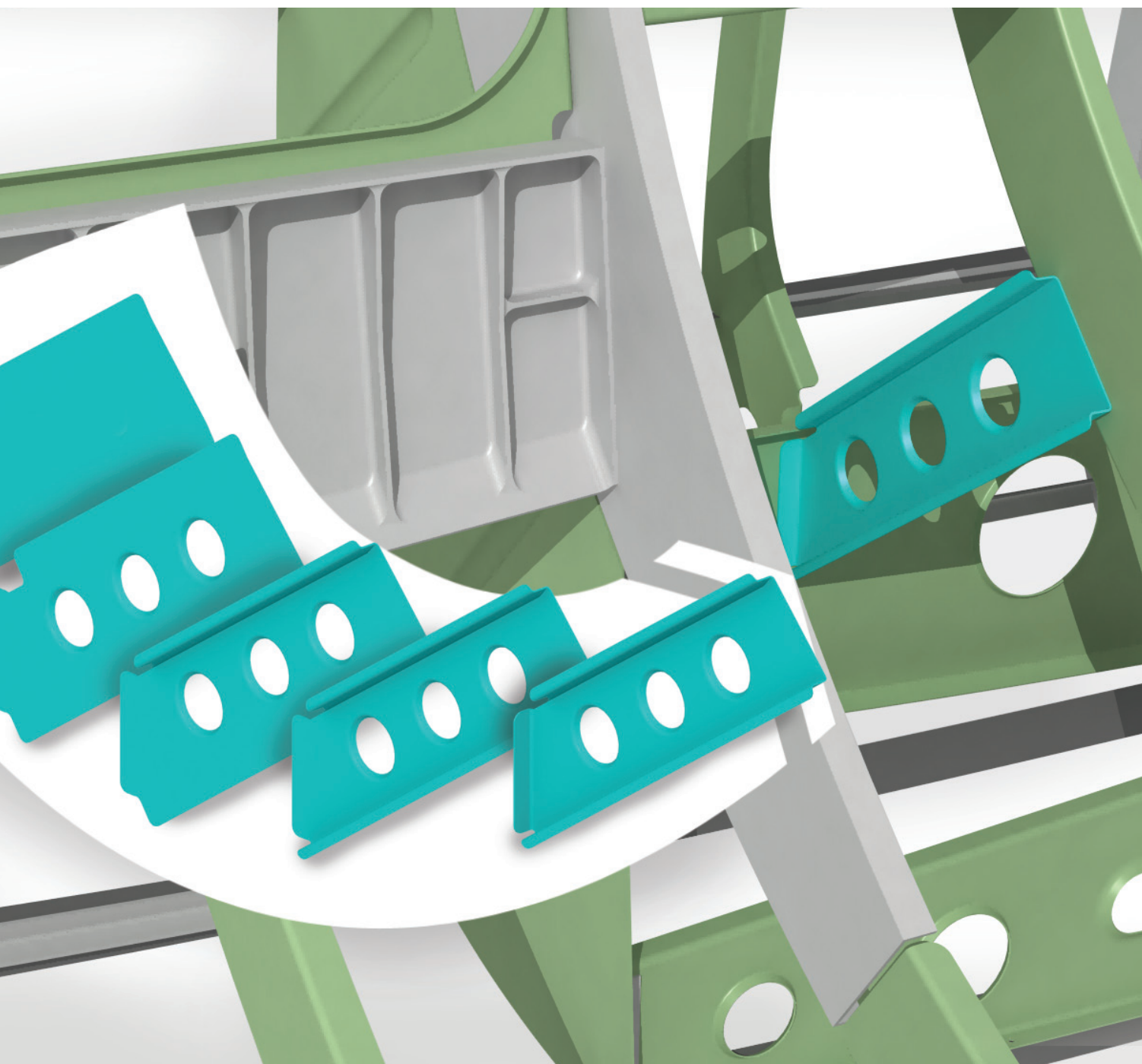


# FABRICATION

AEROSPACE & DEFENSE

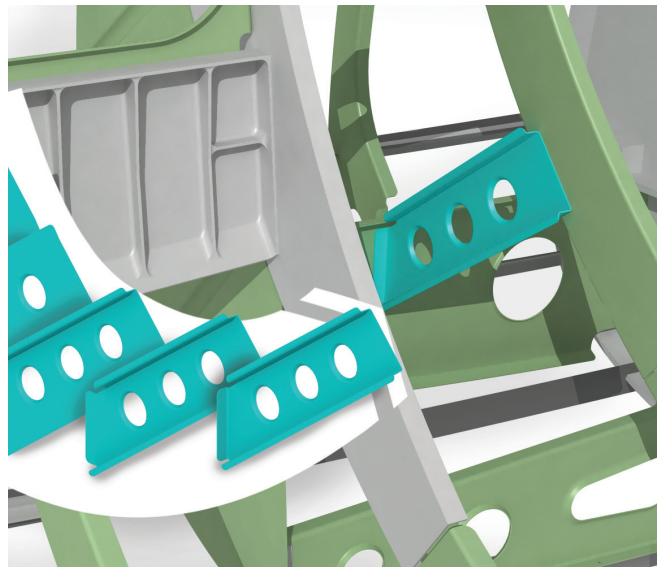


# Repeatable Manufacturing Plans to Fabricate to Specification

*DELMIA's Fabrication solution  
for the Aerospace & Defense Industry  
defines repeatable manufacturing  
plans for the usage of parts to  
produce each as-specified part,  
per the desired production schedule.*

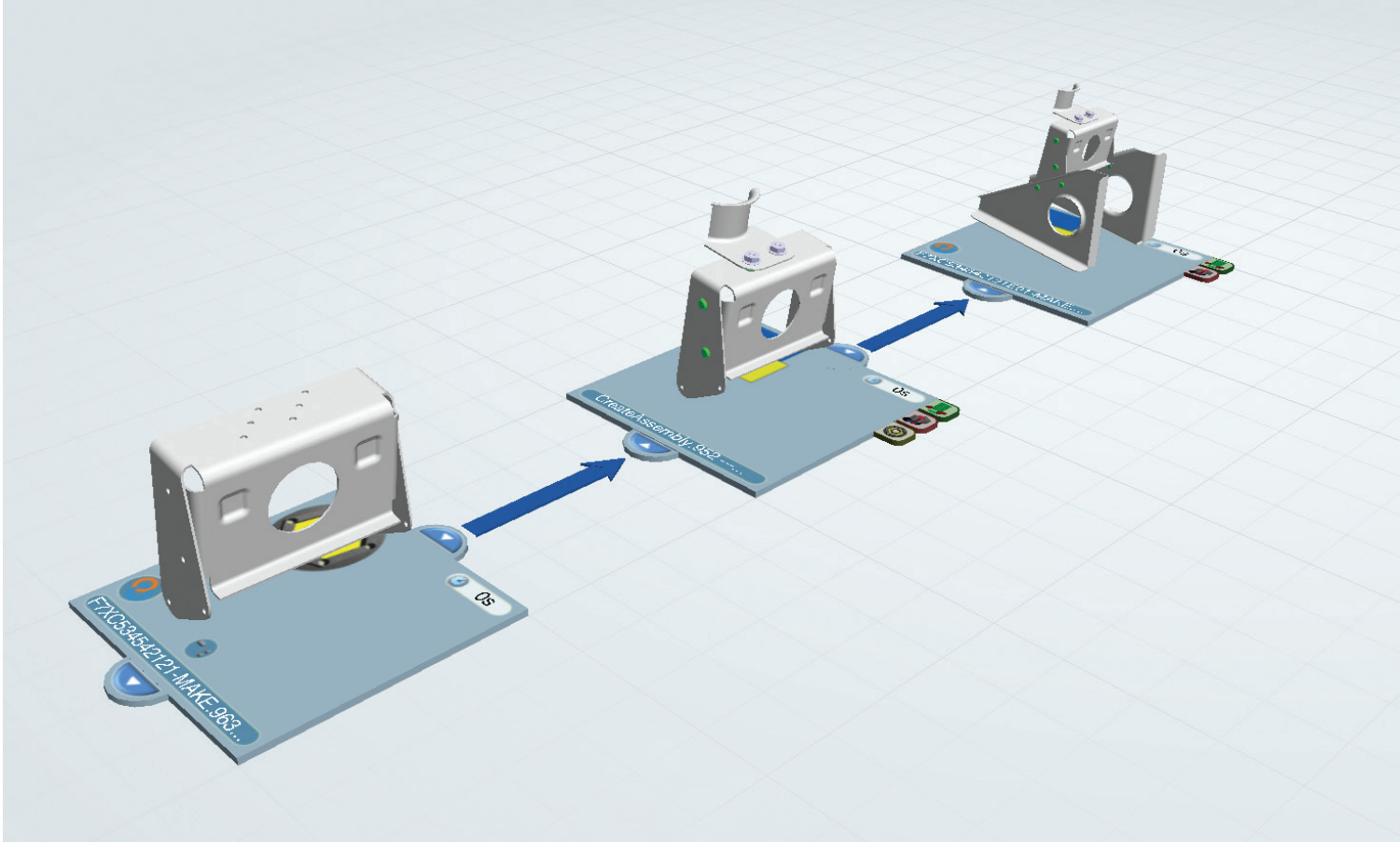
DELMIA's Aerospace & Defense Fabrication solution is an industry-proven approach which facilitates true design and manufacturing planning in context within a collaborative environment, across the extended enterprise.

Manufacturing Engineers can define repeatable manufacturing plans for elementary parts. The as-specified parts can be produced per the desired production schedule, considering make-buy decisions, supplier specifications and cost targets. Users can consume and validate all key characteristics and requirements for the part, design tooling and fixtures for the manufacturing resources.



As-specified parts can be produced per the desired production schedule.





Define repeatable manufacturing plans.

## INDUSTRY CHALLENGES

- How to maintain quality with increasingly complex aerospace parts?
- How to increase manufacturing planning speed?
- How to manage the unexpected part specification change?
- How to compete in a “green” world and ensure regulatory compliance and quality across the entire eco-system?

## SOLUTION HIGHLIGHTS

- Specification review of Engineering FT&A and creation of manufacturing-critical dimensions
- High level of traceability which ensures that the right decisions are taken into account when deciding on fabrication strategy
- Intuitive library-based creation of operations, using the same reference model as product authoring
- One integrated solution from part design to tooling manufacturing
- Intuitive and easy-to-use interface for authoring and illustrating work instructions with 3D data
- Quickly validate tooling design and give feedback to design

## SOLUTION VALUES

- Reduce fabrication planning, tooling design and resource programming cycle time
- One integrated solution from part design to tooling manufacturing
- Reuse engineering data that is automatically updated as the design evolves
- Reduce shop floor change requests, providing visibility to the full change impact and shortening the change turnaround time
- Improve quality by having digital continuity all through the fabrication planning workflow

## USERS

- Manufacturing Engineers
- Process Planners
- Machine Programmers



## 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

---

### About Dassault Systèmes

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 150,000 customers of all sizes, in all industries, in more than 140 countries. For more information, visit [www.3ds.com](http://www.3ds.com).

CATIA, SOLIDWORKS, SIMULIA, DELMIA, ENOVIA, GEOVIA, EXALEAD, NETVIBES, 3DSWYM and 3DVIA are registered trademarks of Dassault Systèmes or its subsidiaries in the US and/or other countries.

---

#### 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**

