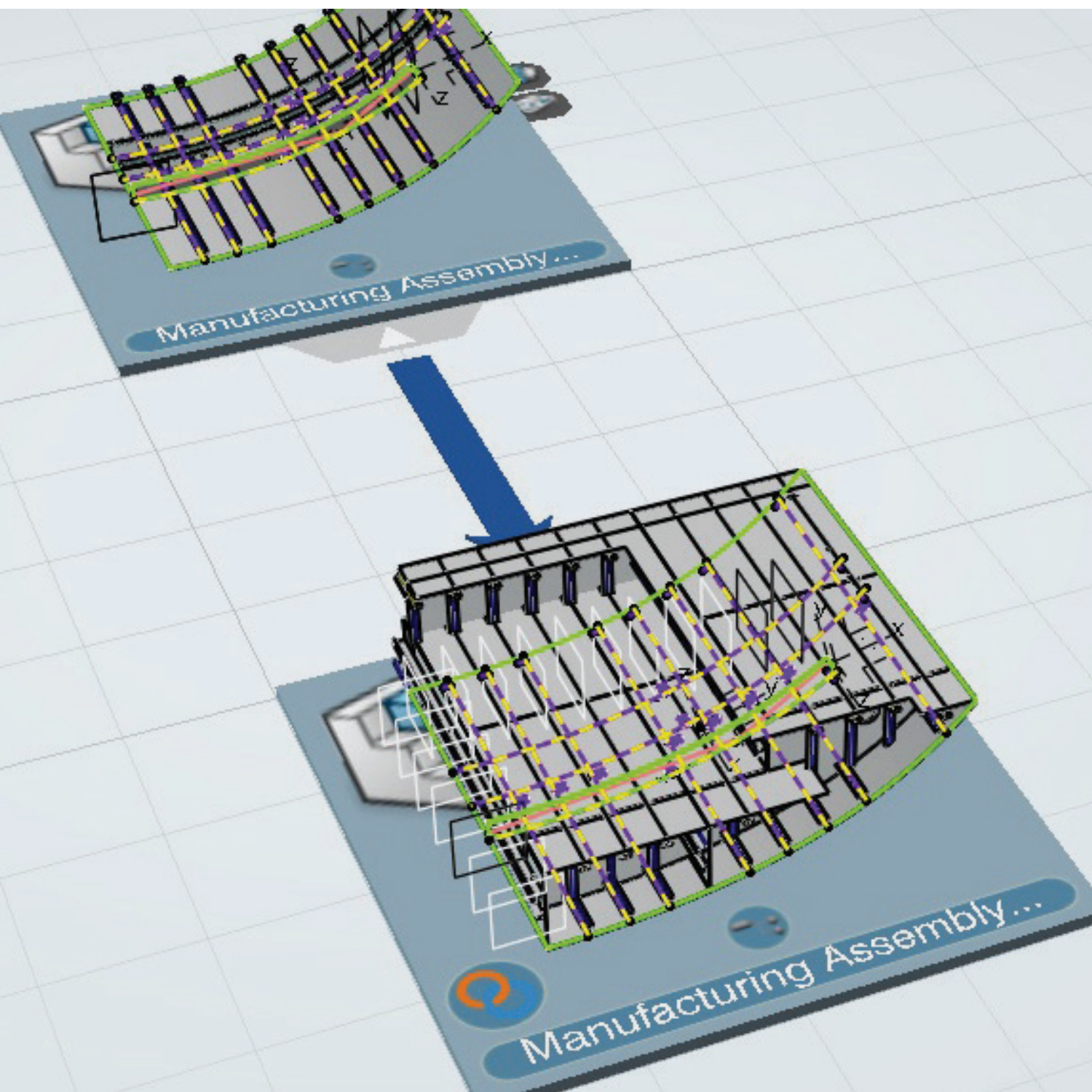




3DEXPERIENCE®

# STRUCTURE PRODUCTION PREPARATION

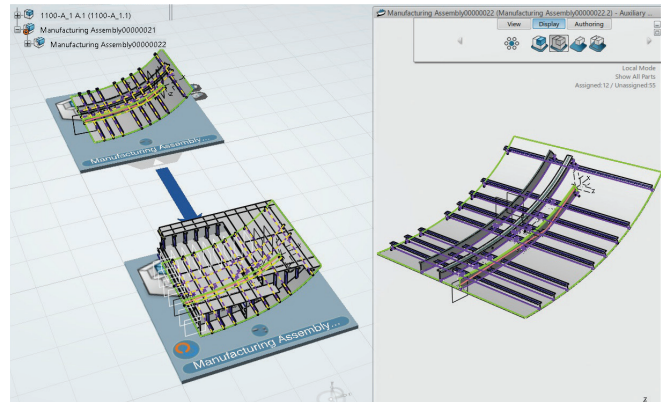
MARINE & OFFSHORE



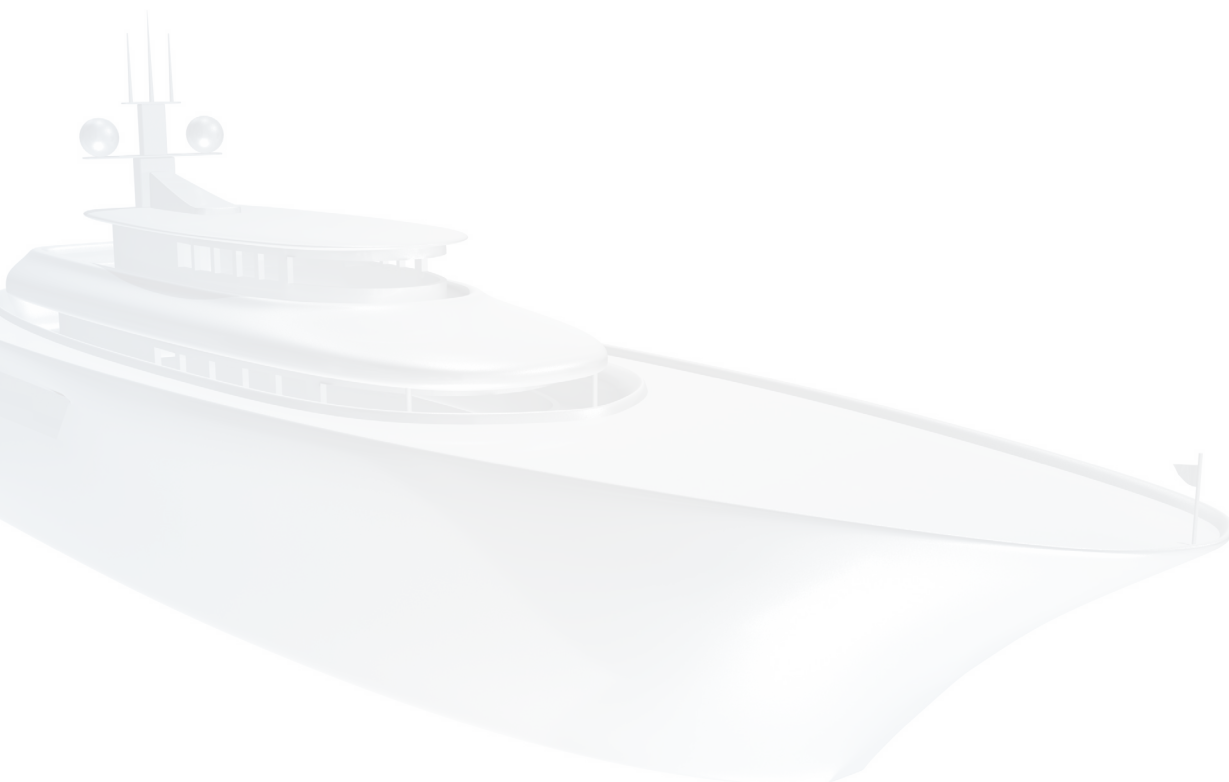
# Efficiently Create and Manage Work Preparation

*DELMIA's Structure Production Preparation solution for the Marine & Offshore Industry reduces cost and time through collaborative design and structure manufacturing planning.*

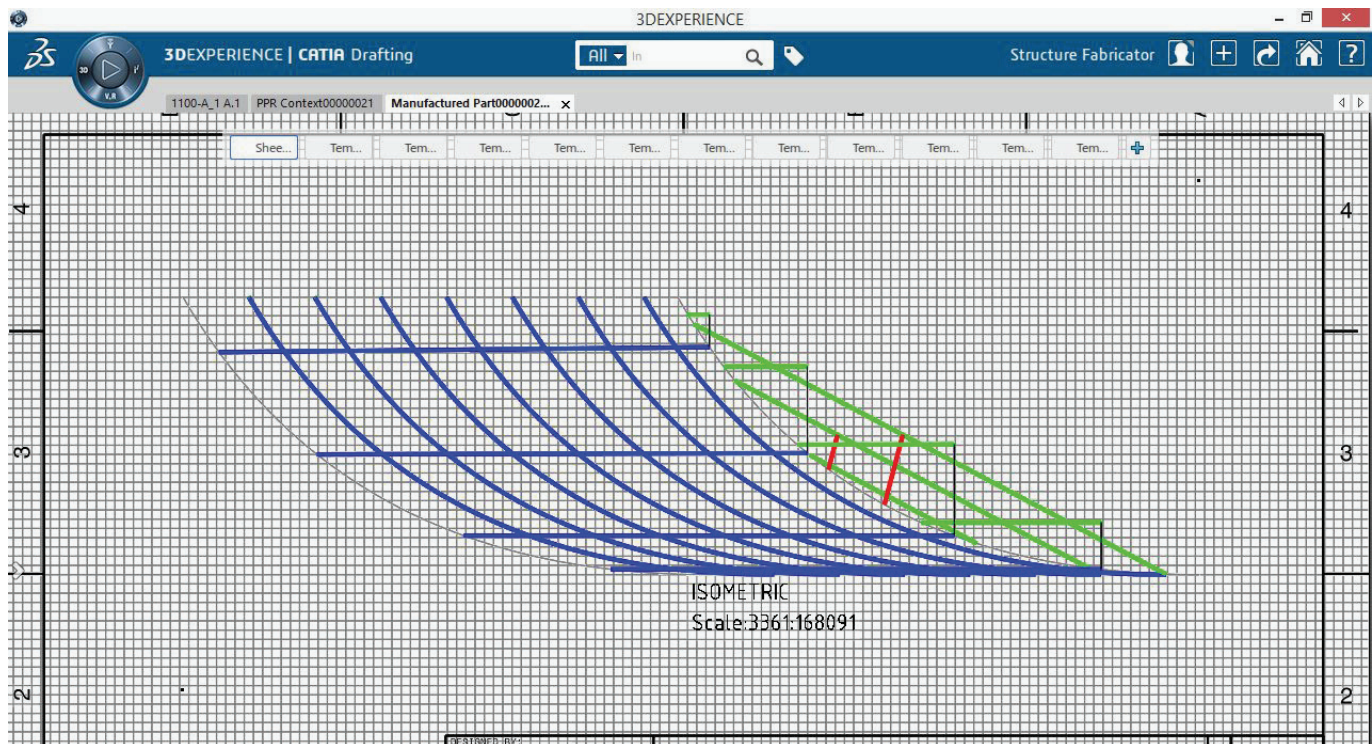
DELMIA's Marine & Offshore Structure Production Preparation solution enables shipyards to perform manufacturing assembly definition, discipline-specific manufacturing work preparation including plate fabrication sketches, and profile drawings. It leverages the **3DEXPERIENCE®** platform to perform detailed structure planning in a concurrent engineering environment.



Manufacturing planning starts early in the ship design process







Detail structure planning in a concurrent engineering environment

## INDUSTRY CHALLENGES

- How to reduce the number of work hours to generate production drawings?
- How to reuse existing manufacturing know-how from a previous ship production?
- How to efficiently manage change and synchronization between engineering design and manufacturing features?
- How to fully utilize cutting and nesting machines to streamline the manufacturing process?

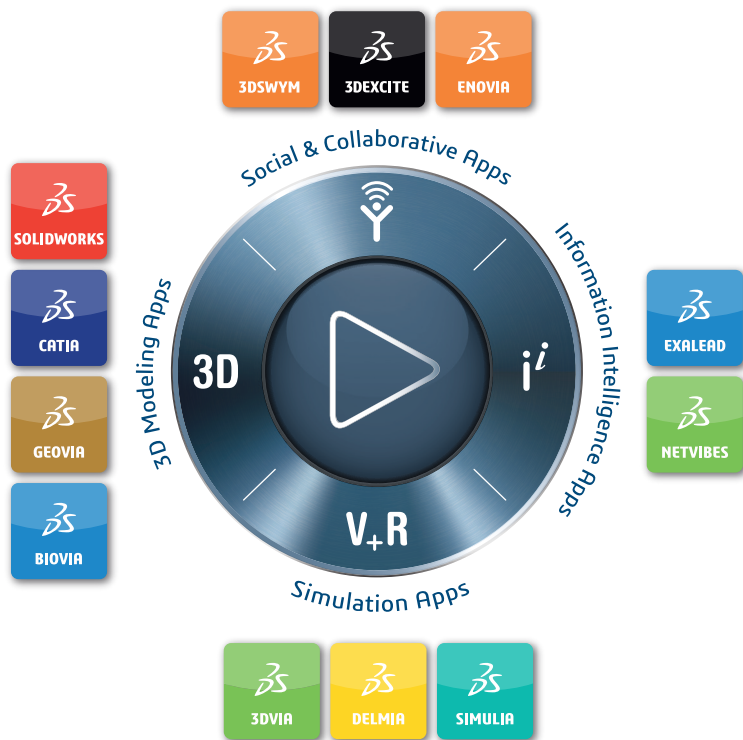
## SOLUTION HIGHLIGHTS

- Creation of weld seams and subsequent manufacturing features
- Edit the process, feature by feature
- Plan shrinkage, step by step
- Automatic generation of workshop documents
- Intuitive tools and graphical viewer to review work preparation and manage changes

## SOLUTION VALUES

- Increase efficiency by allowing the manufacturing planning to start as early in the ship design process as possible
- Reduce cost by efficiently creating and managing the work preparation for thousands of structure plates and profiles
- Capture, standardize and reuse proven production practices to reduce costs for new ship projects
- Improve collaboration and productivity by working with the up-to-date assembly plan

For more information, please visit [www.3ds.com/DELMIA](http://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](http://www.3ds.com).

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