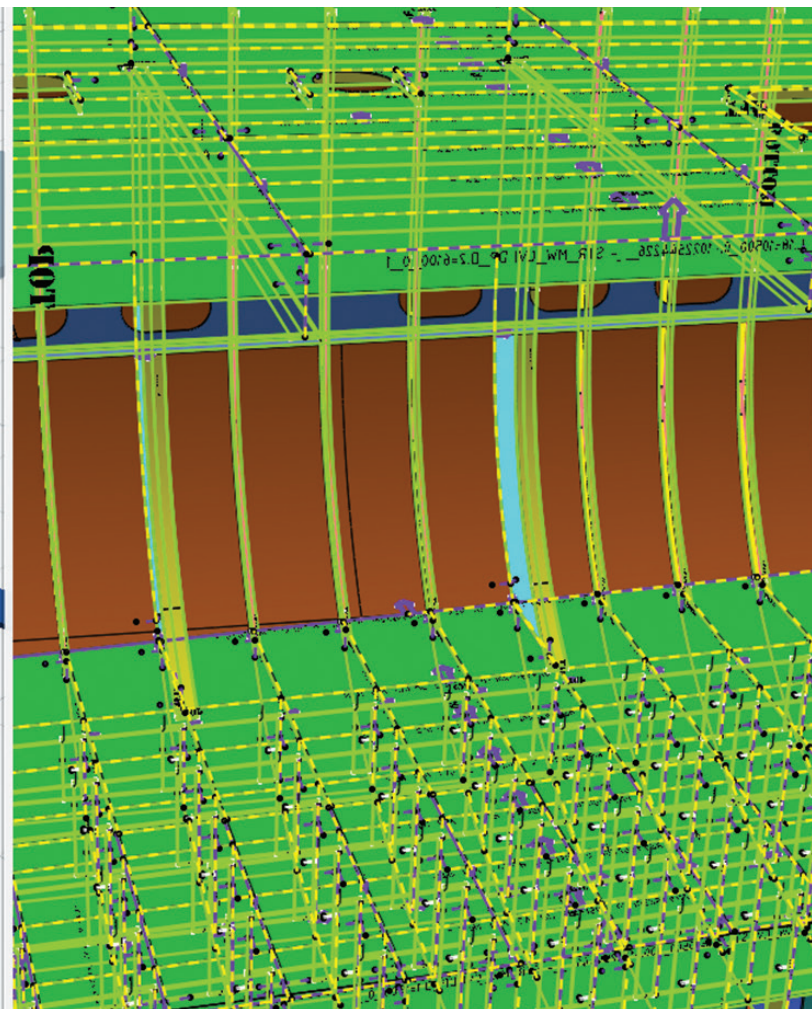
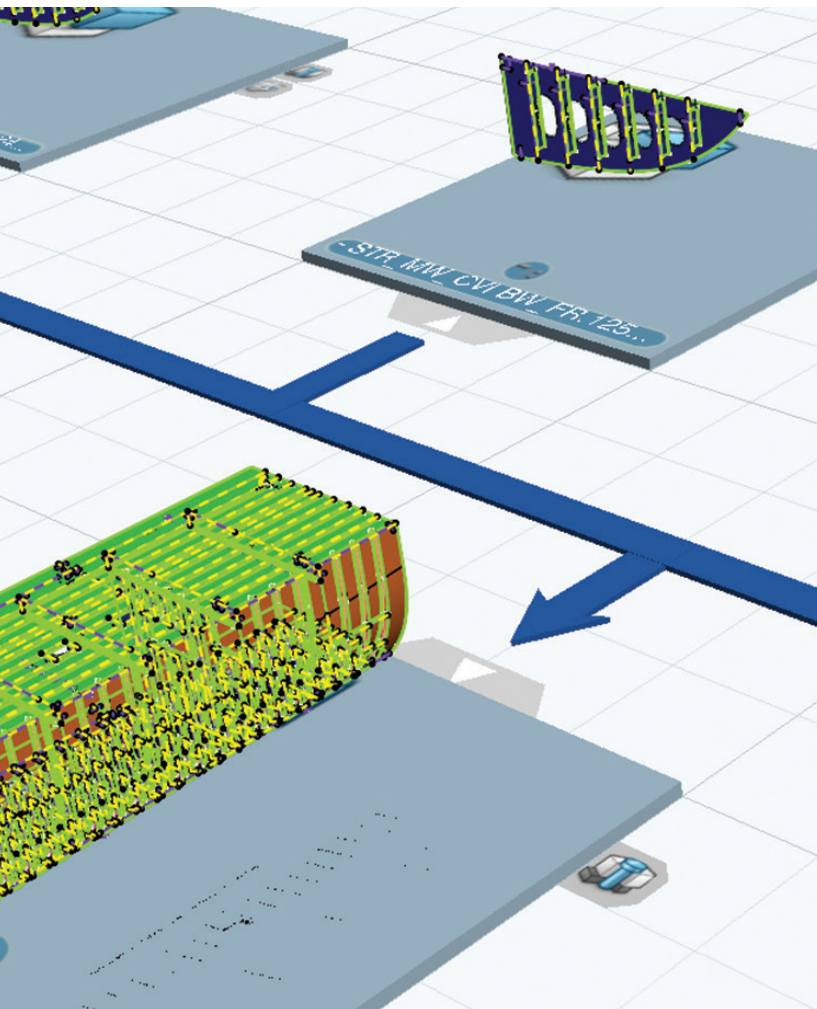


HEAVY INDUSTRY STRUCTURE MANUFACTURER

3DEXPERIENCE MANUFACTURING & PRODUCTION ROLE



CREATE MANUFACTURING STRUCTURE PLANS

Heavy Industry Structure Manufacturer automates work preparation of structure design data.

Heavy Industry Structure Manufacturer is a design-to-manufacturing application with an interactive process editor that automates work preparation of structure design data. It provides a 3D environment for performing detail structure planning with collaboration and concurrent engineering.

Generate detailed weld-planning

Users can design welding operations, generating detailed data for weld planning and the manufacturing features it produces. This allows the as-built details to be included in the as-planned model.

Automatically update in-process models

Heavy Industry Structure Manufacturer generates manufacturing features and 3D manufacturing texts with user-defined feature catalogs. This gives users full customization capabilities for manufacturing. It improves collaboration and productivity by working with the current assembly plan and in-process model.

Edit the process, feature by feature

Intelligent live-process edit tools let users review manufacturing features individually. They can modify, delete or add new features – all based on a selected functional process type. This greatly reduces time and errors by allowing smart editing of manufacturing features.



Work more efficiently with powerful automated features



Features that accelerate structure manufacturing fabrication

Plan shrinkage step by step

Metal inevitably shrinks in the welding process, which typically results in rework. Heavy Industry Structure Manufacturer provides the ability to compensate for metal shrinkage in each assembly stage.

Automatic generation of workshop documents

2D drawings and 2D workshop documents can be generated automatically from the model, including plate fabrication sketches, profile broken-view drawings and XML documents. These outputs also include 3D manufacturing features and texts as output for production.

Role Highlights

- Groundbreaking **3DEXPERIENCE®** platform
- Generation of weld and subsequent manufacturing features
- Automatic generation of workshop documents
- DXF document extraction
- A live basic-training tutorial

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.

