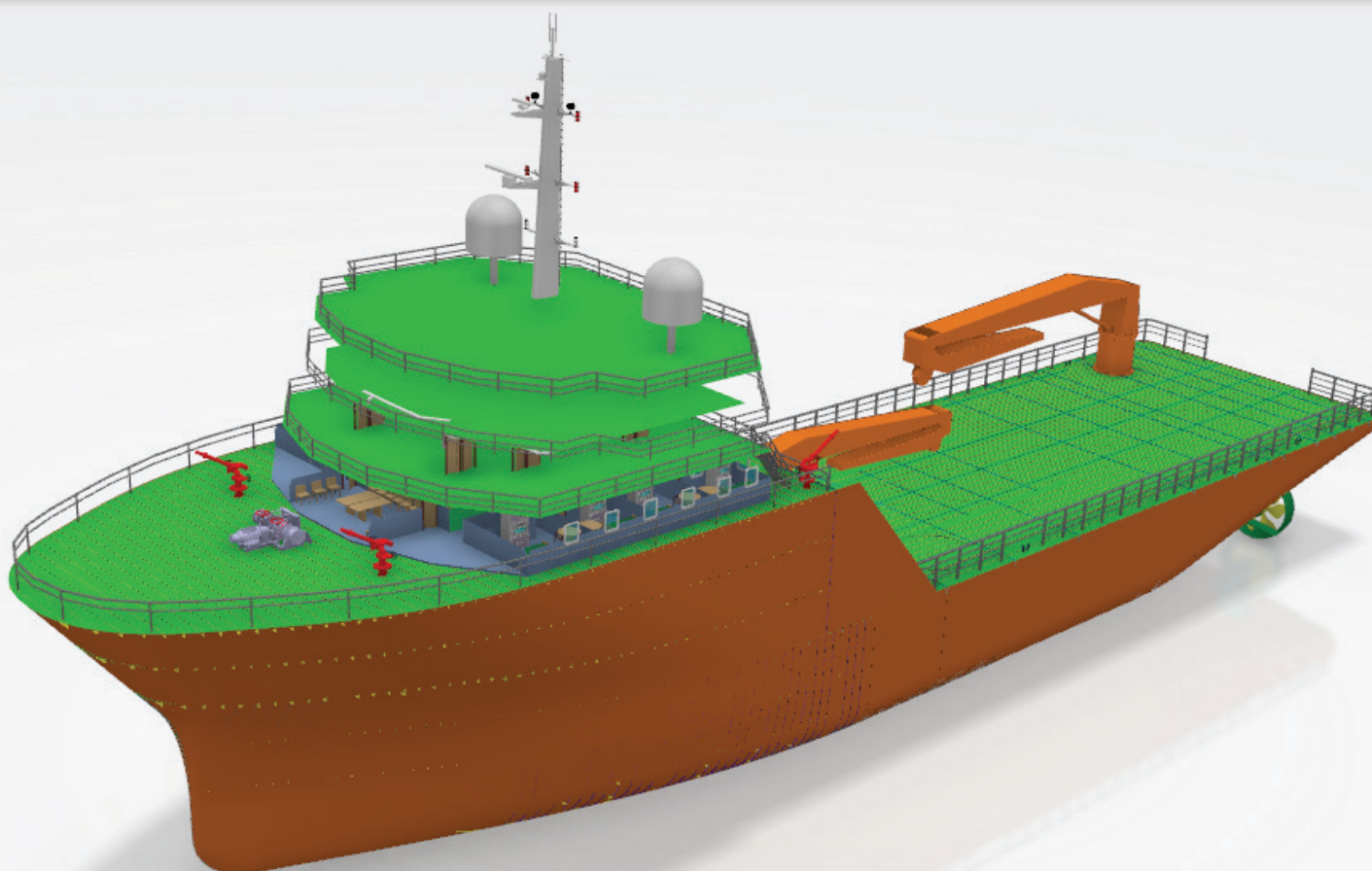
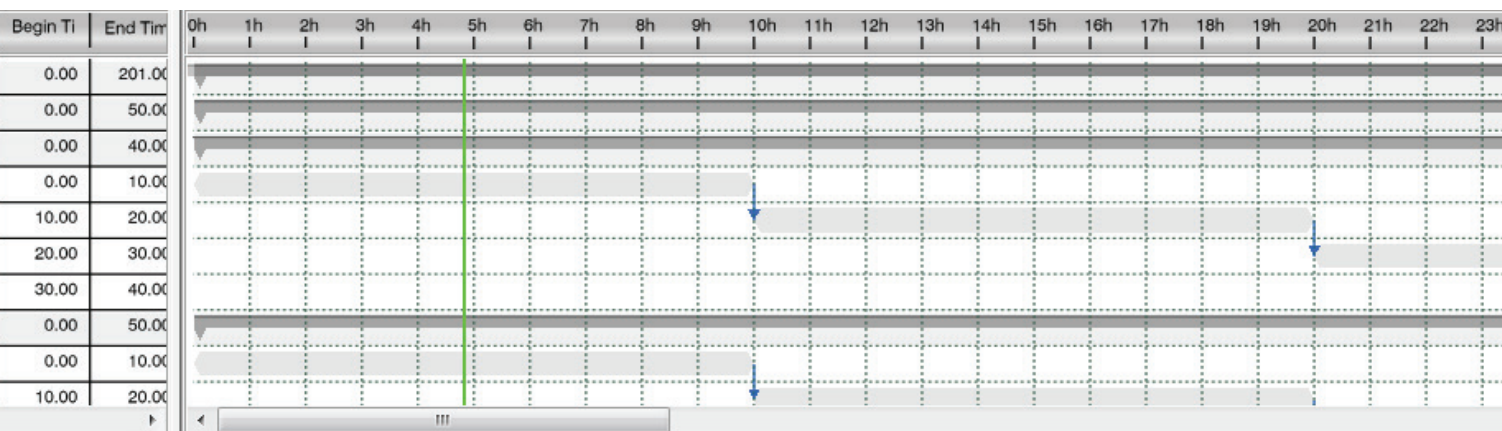




3DEXPERIENCE®

PRODUCTION ENGINEERING

MARINE & OFFSHORE

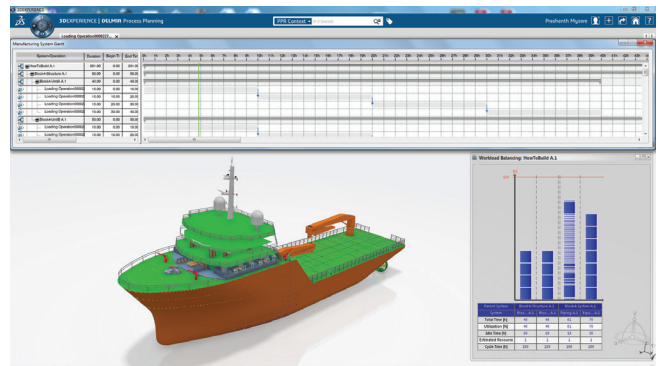


Quality Manufacturing On-Time and On-Budget

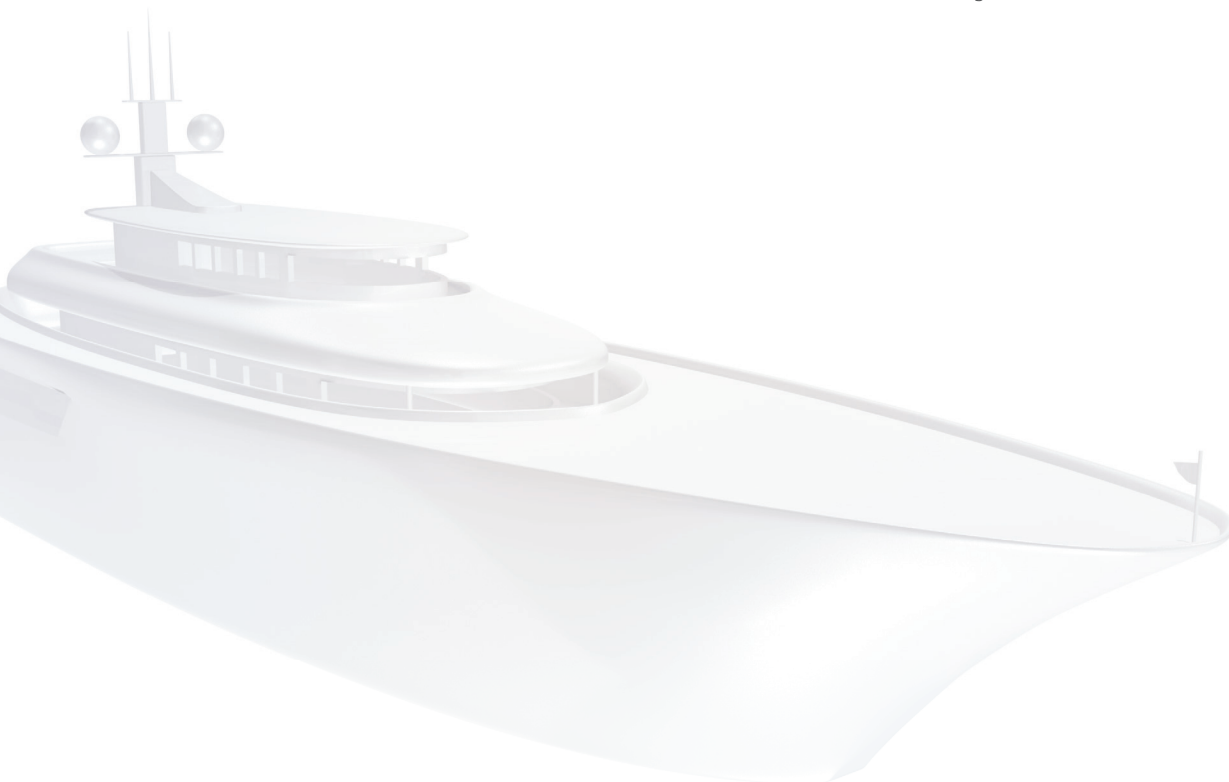
DELMIA's Production Engineering solution for the Marine & Offshore Industry optimizes the ship manufacturing strategy and supports automation for production documentation.

Marine & Offshore projects are diverse, complex and often carried out under time and cost pressures. Shipyards are focused on reducing the ship development and production time. As shipbuilding is a costly process in a competitive marketplace, every stage is squeezed for time, from concept design to commissioning. Projects must be highly concurrent to maximize efficiency.

DELMIA's Marine & Offshore Production Engineering solution provides the ability to efficiently generate manufacturing data directly from engineering design, and detailed planning of hull assembly and outfitting operations. The solution shortens design-to-manufacture time with concurrent process development and accurate production information, leading to reduced project cost and time.



End-to-end process traceability to manage engineering changes, cost and delays





Capture, standardize, and reuse proven production practices

INDUSTRY CHALLENGES

- How to reduce the number of work hours to produce a ship or platform?
- How to ensure fast and efficient delivery of production information?
- How to integrate extended ecosystem skills and knowledge to optimize design and production?
- How to perform concurrent multidiscipline engineering and planning?
- How to minimize extensive manual efforts in design and planning deliverables?

SOLUTION HIGHLIGHTS

- Multidiscipline concurrent design-to-manufacture process for Hull Structure, Piping, Accommodation, Electrical, HVAC, and other disciplines
- Efficient creation of MBOM from EBOM and shipyard best practices (Templates)
- Automatic generation of assembly drawings on MBOM
- Workload balancing and resource optimization
- Visual Work Instructions for shipyard workers

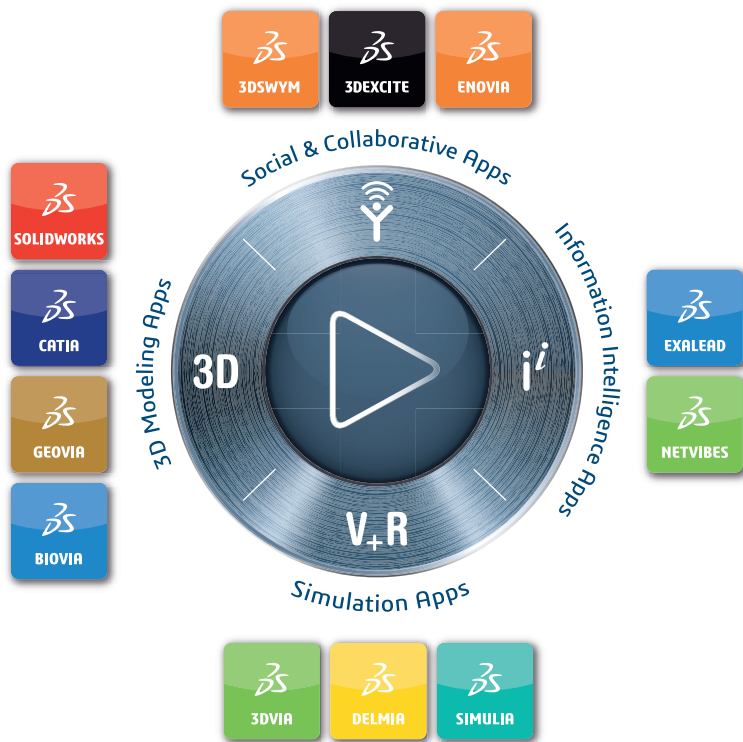
SOLUTION VALUES

- Define cost-effective construction sequence with integrated hull and outfitting assembly information
- Identify, document, and solve manufacturing problems quickly and effectively
- Reduce error and rework with cross-discipline manufacturing deliverables of structure, HVAC, piping, electrical, and all other shipbuilding disciplines
- Reuse prior 3D model investment through proven standard conversions
- Reduce man-hours through efficient creation of MBOM and assembly drawings

USER ROLE

- Marine Process Planner

For more information, please visit www.3ds.com/DELMIA



Our **3DEXPERIENCE®** platform powers our brand applications, serving 12 industries, and provides a rich portfolio of industry solution experiences.

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