LiftShip 2

2021 NSRP All Panel Meeting – Business Technologies

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Category B: Data developed partially with funding from Project Participants that was not charged to a Government contract and partially with Government funding. Approved for Public Release -- Distribution Unlimited
Improving the 3D CAD-to-FEM Interface for Shipbuilding Needs (2017-416)

LiftShip (2018-438)
LiftShip (the First)

- Define Lifting Components
- Create Lift Arrangement Drawings
- Data Exchange (to FEA)
LiftShip: Lift Components
LiftShip: Lift Arrangement Drawings
LiftShip: Lift Arrangement Drawings
LiftShip: Data Exchange
LiftShip: Altair HyperMesh
LiftShip: ATA Engineering (Femap)
PROJECT OVERVIEW

• Turning/Complex Lift Operations
• Visual Reporting of FEA Results
• Import Level-of-Detail Options

⚠️ Shipyard-driven Wishlist
LiftShip 2: Turn/Complex Lifts

was placed on a cradle and moved back into shipbuilding hall 2
LiftShip 2: Level of Detail Options
PROJECT OVERVIEW

LiftShip 2: Visual Result Reporting
STATEMENT OF WORK

01 Kick-off Meeting, Initial Requirements, Project Plan

02 Develop Requirements

03 Enhance Software per requirements
   • Turning Support for Complex Operations
   • Visual Reporting of FEA Analysis
   • Imported Level-of-Detail

04 Develop Test Models

05 Build, Test, and Evaluate Enhancements

06 Review and Refine

07 Final Training Workshop

08 Project Management
THANK YOU!

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