

## **Design of the Stern Factory**

Project Title: Design of the Stern Factory

Primary Consortium Member: McDermott Shipbuilding, Inc.

Additional Contractor/Consortium Members: SENER, and MAN B&W Diesel

Project Objectives/Overview: Develop the design of a ship stern section and a facility for their construction using advanced 3-D modeling and simulation techniques. McDermott Shipbuilding, Inc. of St. Rosa, Louisiana, proposes an 18-month project to develop a specialized facility for the construction of sterns. McDermott has reorganized as an agile/virtual corporation, with marketing, engineering, procurement, and project management functions but without a traditional waterfront shipyard operation. They will procure the construction of designs in modular fashion from traditional and non-traditional marine suppliers, developing a specialization to build and deliver stern sections of medium to large vessels and designing these sections with constructability in mind.

Project Status: The project has been completed. McDermott demonstrated a method for extracting data from a 3-D product model for use in a production simulation model. McDermott plans to market this technology to the American Shipbuilding Industry.

Project Contacts:

McDermott Technology, Inc.

Project AOTR Carl Setterstrom, Maritime Administration