

Commercial Ship Design Projects and a Shipbuilding Technology Project at NASSCO

Project Title: Commercial Ship Design Projects and a Shipbuilding Technology Project

Primary Consortium Member: National Steel & Shipbuilding Company (NASSCO)

Additional Contractor/Consortium Members: Man B&W, ARCO Marine, First Marine International, Miller and Comp., Mercer Management Consulting, Delta Queen, GE, Hopeman Brothers, Totem Ocean trailer Express.

Project Objectives/Overview: NASSCO is the prime contractor for four MARITECH projects. Three of these projects are commercial business development Projects for three new commercial ships: a cruise ship, a double-hulled crude carrier, and a commercial RO/RO. It is intended that each ship design project will lead to a detailed design and construction contract for one or more ships. The ship design project will also provide commercial ship design experience and expertise for NASSCO's ship design personnel, as well as include a building strategy which has a unit, block, zone, structural design plan, a block erection plan, schedule of major events, and a facilities utilization plan.

The fourth MARITECH Project is a shipbuilding technology Project which has the objective of re-engineering the pre-production engineering, design and master planning process and products to better serve the needs of the Production Departments which are being rapidly transformed from a ship construction environment to that of a ship manufacturing operation.

Project Status: Of the three design/business development projects, the double hull tanker was completed in the third quarter of FY `97, and the other two are ongoing. The Ship Factory Transformation is presently completing the outfitting templates.

For the three commercial ship design/business development Projects accomplishments were as follows:

- Each project has brought together a team of international marine industry leaders, including a U.S. flag operating company as a potential customer.
- Each has provided NASSCO ship design personnel in-depth experience in modern commercial ship design, systems, and technology.
- Each project continues to move ahead toward a new construction contract.

The Alaskan crude carrier Project already has resulted in a competitively awarded design contract with British Petroleum Marine.

The goal of the Ship Factory Transformation is a reduction in engineering man-hours of more than ten percent on the next design contract.

Project Contacts:

NASSCO

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