

# **Simulated Based Design as an Environment for the Concept and Contract Design Using Integrated Product and Process Development**

Project Title: Simulated Based Design as an Environment for Concept and Contract Design Using Integrated Product and Process Development

Primary Consortium Member: Avondale Industries, Inc.

Additional Contractor/Consortium Members: Intergraph Corporation, Electric Boat Corporation, Bart Huthwaite, MAN B&W Diesel, SENER, and MAN B&W Diesel

Project Objectives/Overview: Avondale wants to penetrate new commercial markets and has identified potential niche markets. Avondale has also made a corporate commitment to use Integrated Product and Process Development for all future work, and has chosen an Integrated Product Data Environment to be implemented throughout the shipyard. Finally, Avondale has recognized the potential efficiencies that Simulated Based Design can bring to the marketing, design, engineering, and production effort. This project combines these needs and initiatives in a constructive and effective manner to provide not only world class ship designs, but also processes, procedures, and tools required to provide these designs in the future.

Project Status: This project is currently underway. Integrated Product and Process Development (IPPD) training has been accomplished and IPPD techniques introduced into the commercial design process. Avondale is currently applying these techniques to the design of RO/RO's and tankers.

Project Contacts:

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