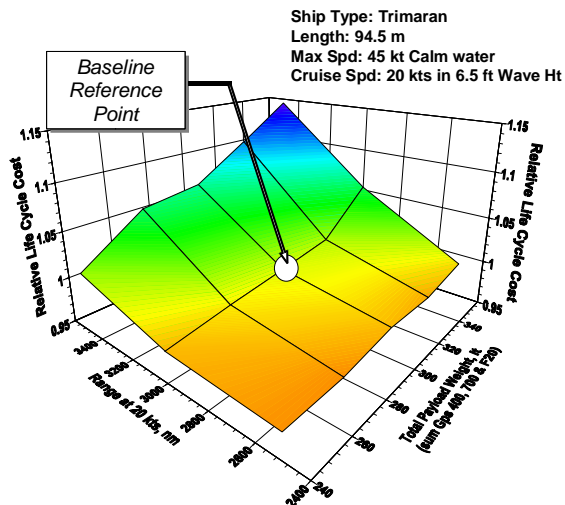


Revolutionary Ship/Watercraft Concept-Design Software

PASS™ is a unique and very useful software developed by CDI Marine Company. The software provides physics-based CAD-synthesis of surface ships that permits simulation-based design for:

- Displacement, Planing and Semi-Planing Monohulls
- Catamarans & Trimarans
- SWATH & Semi-SWATH
- Separate models also exist for Surface Effect Ships (SES) and Air Cushion Vehicles (ACVs).

For each hullform type, the model permits whole-ship design trade-offs to be examined with respect to acquisition or operating cost and ship performance, including seakeeping. It simulates the traditional ship design spiral and converges on balanced solutions within seconds. This permits economically analyzing hundreds of variations to find the best solution.



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For More Information,
Please Contact:

Robert Council

Director of Sales

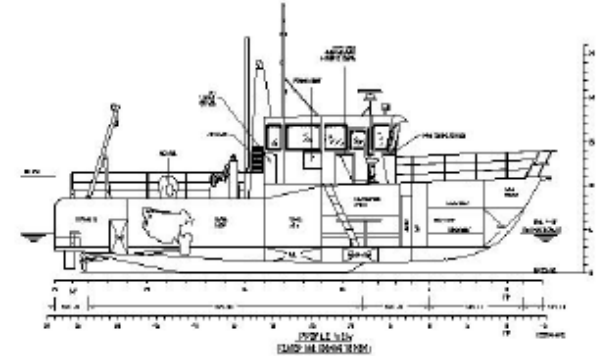
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WATERCRAFT CAPABILITIES

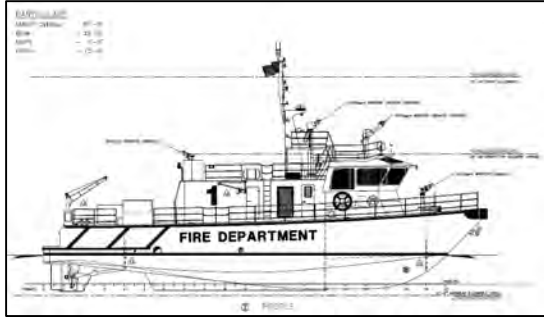
CDI Marine Company provides naval architecture, marine engineering, design and logistics services in support of Military, Homeland Security and Commercial Industry



solutions
at work

CONCEPT DEVELOPMENT

CDI Marine Company Systems Development Division offers a comprehensive range of conventional and advanced naval architecture and marine engineering services, innovative early-stage design and R&D systems engineering, model and full scale test and trials and hardware prototyping for shipbuilding and marine projects, both domestic and foreign, military and commercial



City of Baltimore—Fireboat

Services Include:

- Ship Design Concept Exploration
- Seakeeping, Stability & Maneuvering Analysis
- Hydrodynamics (CFD) & Structural Finite Element Analysis (FEA)
- Marine Waterjet Design
- High-Speed Craft & Ship Design
- Cost-Effectiveness Design Trade-Off



Design and Testing of High Speed Planing Hull.

LIFECYCLE SUPPORT

CDI Marine Company Marine Design Division provides Contract Design through Detail Design for all types of watercraft.



PC-1 CYCLONE Ship Alt Design,
Detail Design and Prototyping

Services Include:

- Design and engineering at our facilities or the client's facility
- Worldwide area network linking over 350 AutoCAD workstations
- Numerical Control (NC) lofting and hull fairing
- Inclining test/intact and damage stability books, loading conditions
- Pipe stress analysis
- System and equipment assessment, alteration, repair and modernization



LCU Class SWBD Design and Installation

ALTERATION INSTALLATION

CDI Marine Company Industrial Division offers turn-key support for watercraft alteration, repair, testing and trouble shooting.



Full Service Industrial Shop

Services Include:

- Engine Repair and Replacement
- Hull Structure Repair and Replacement
- System and Equipment Installation/Repairs/Testing
- Electronic and Electrical Systems and equipment
- HVAC Systems and equipment
- Piping Systems and equipment
- Deck Machinery Repair and Replacement
- Hatches and Scuttles Repair and Replacement



LCU Salvage Deck Crane