



Technology at a Glance

- Software tool for automatic design of fluid (& power) distribution systems
- Generates/evaluates thousands of alternatives
- Generates whole ship system design in several minutes
- Integrates with commercial and Navy tools
- Generates full 3D models of complete, viable ship designs



Contact Us
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Visit us on the web:
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ANCHOR TECHNOLOGY INC.

Automatic 3D
Technology
for Distribution
Systems
Design



What We Do

Anchor Technology, Inc. is developing innovative software technology for automatically synthesizing, routing and analyzing shipboard distribution systems. These tools automatically generate detailed 3D models of ship distribution systems during concept design.

Why We Do It

Decisions made at the concept design stage have a profound impact on total life cycle cost of ships. Large numbers of alternatives need to be evaluated and optimal feasible solutions identified that meet cost, weight, survivability and other performance criteria. Shipboard distribution systems require special attention because integrated electrical power systems and high energy combat systems need intensive thermal management.

Our new technology makes it possible to rapidly generate and evaluate large numbers of alternatives and will reduce costs of concept, preliminary and detail ship design, as well as total lifecycle costs.



Features/Advantages

- .. Reduces the risk in ship concept design
- .. Shortens concept and preliminary design
- .. Lower energy, lower cost solutions
- .. Shared database, supports design teams
- .. Automated, physics based software tool
- .. Rapidly design valid distribution system designs
- .. Optimize for power, weight, size, cost, survivability
- .. Quickly synthesize and evaluate many different alternatives
- .. Open architecture, interfaces with other Navy software tools
- .. Generates whole ship system design in several minutes
- .. Generates full 3D models of complete, viable ship designs

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