Marine Technology Society

Dynamic Positioning Conference

Work Boats

A Packaged System Approach to DP Vessel Conversion

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DP CONVERSION STEPS

- Define Vessel Capability Requirements
- Determine equipment and machinery needs
- Determine machinery placement
- Stability analysis
- Prepare project proposal

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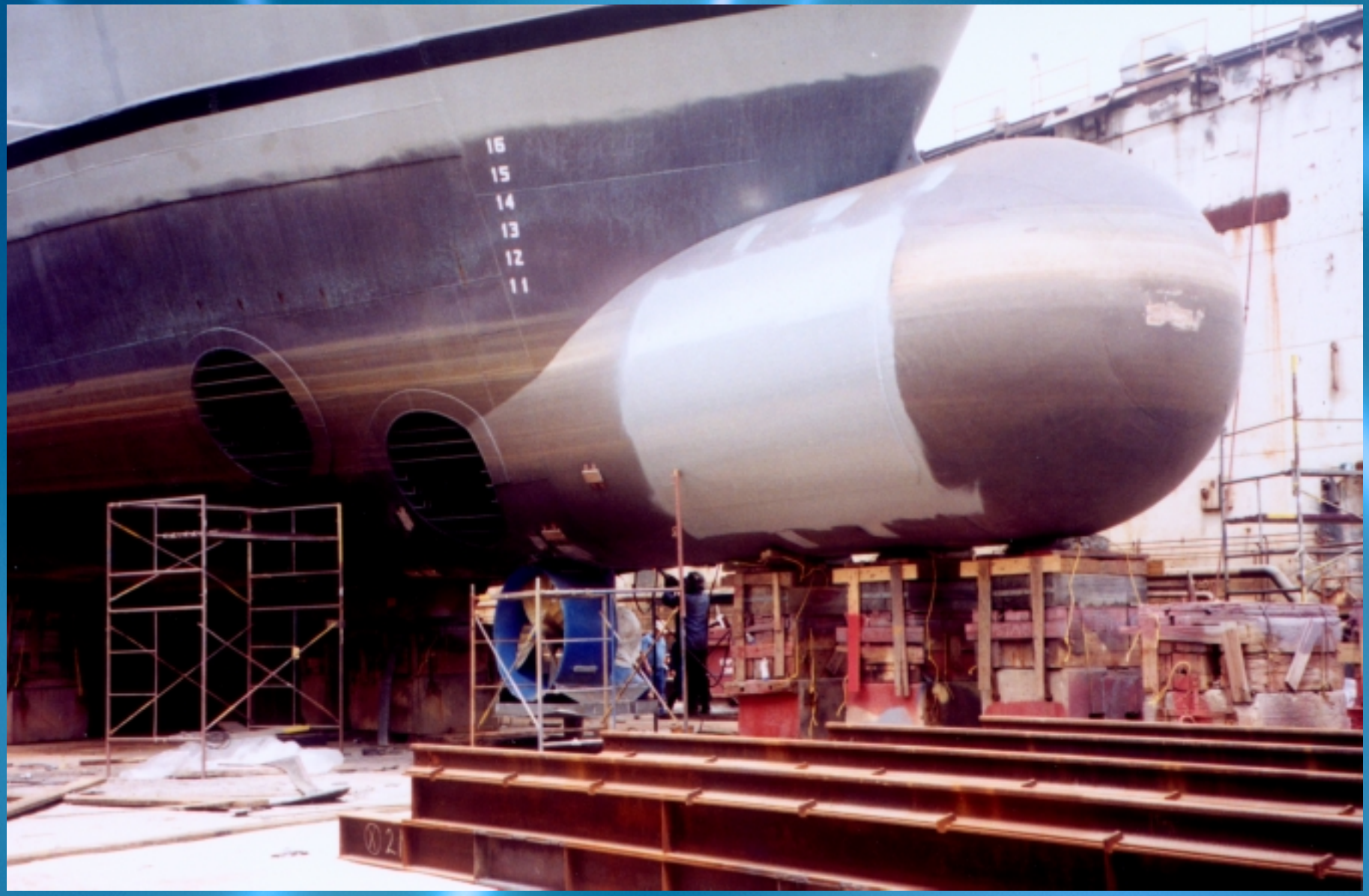
GLOBAL EXPLORER



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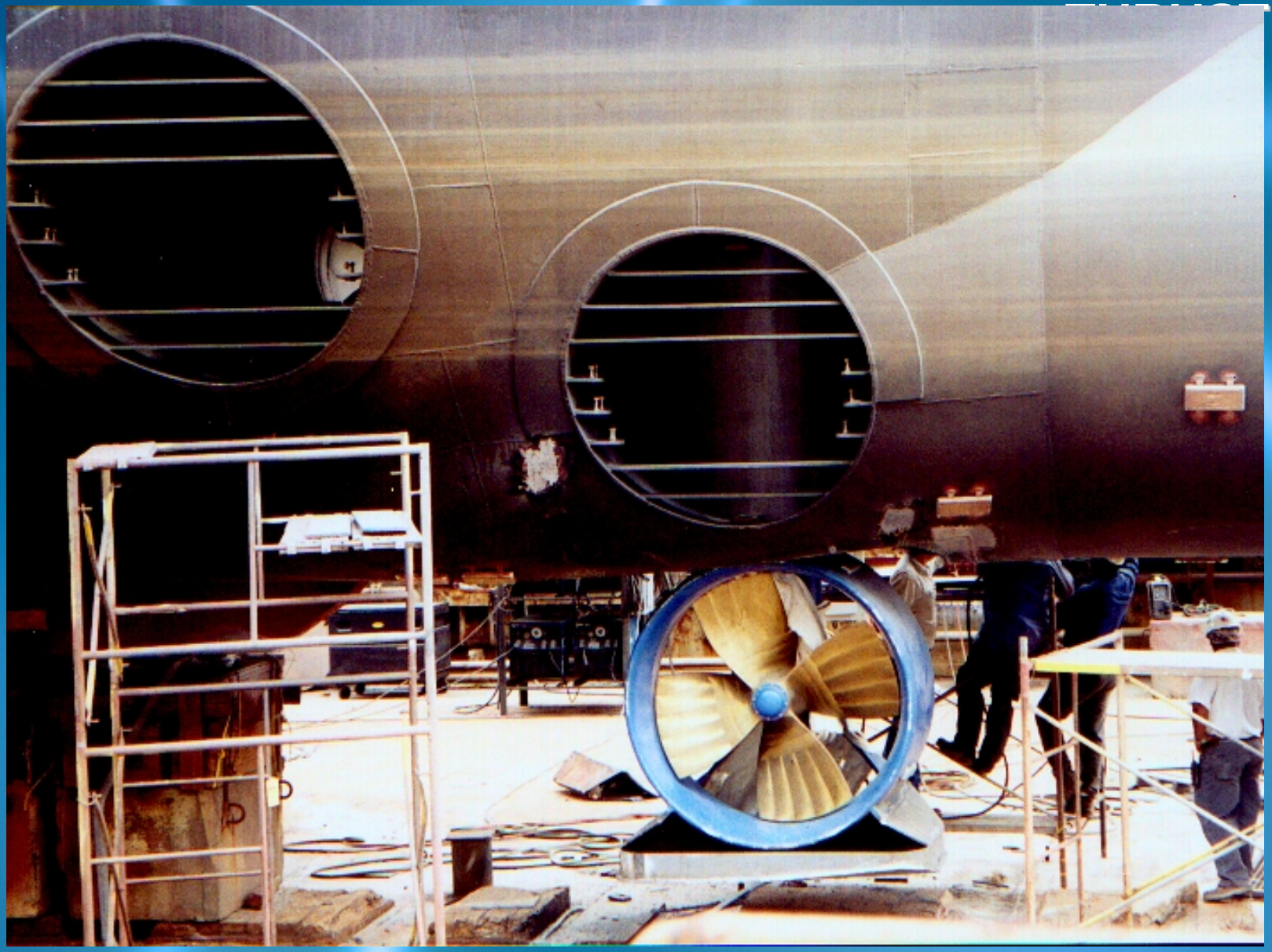
RETRACTABLE COMBINATION



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ELKHORN RIVER

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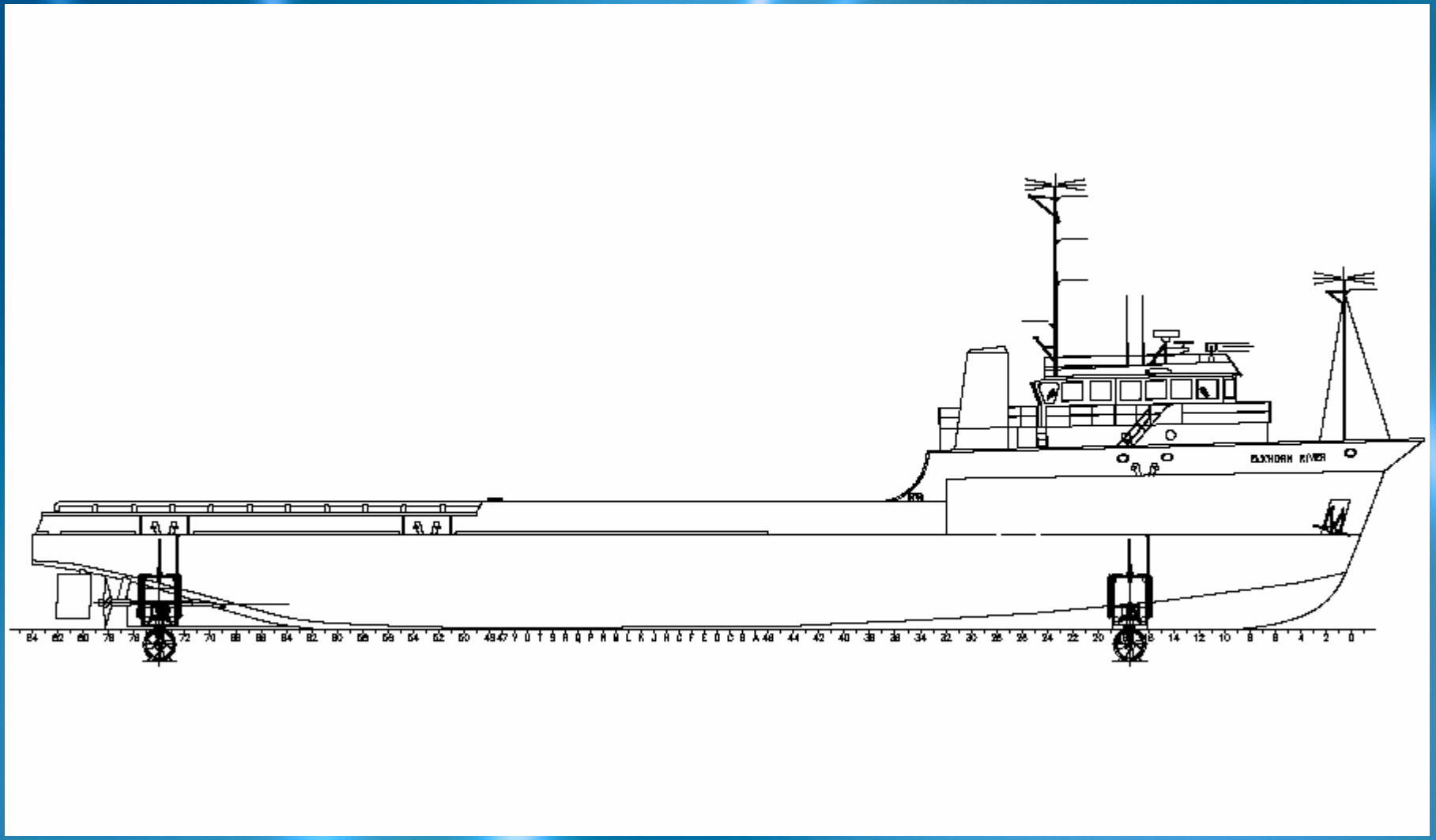
ELKHORN RIVER
THRUSTERS



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RETRACTABLE AZIMUTHING THRUSTER – HYDRAULIC DRIVE

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RETRACTABLE AZIMUTHING THRUSTER – ELECTRIC DRIVE

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IS THERE A BETTER WAY?

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THE PACKAGED SYSTEM APPROACH

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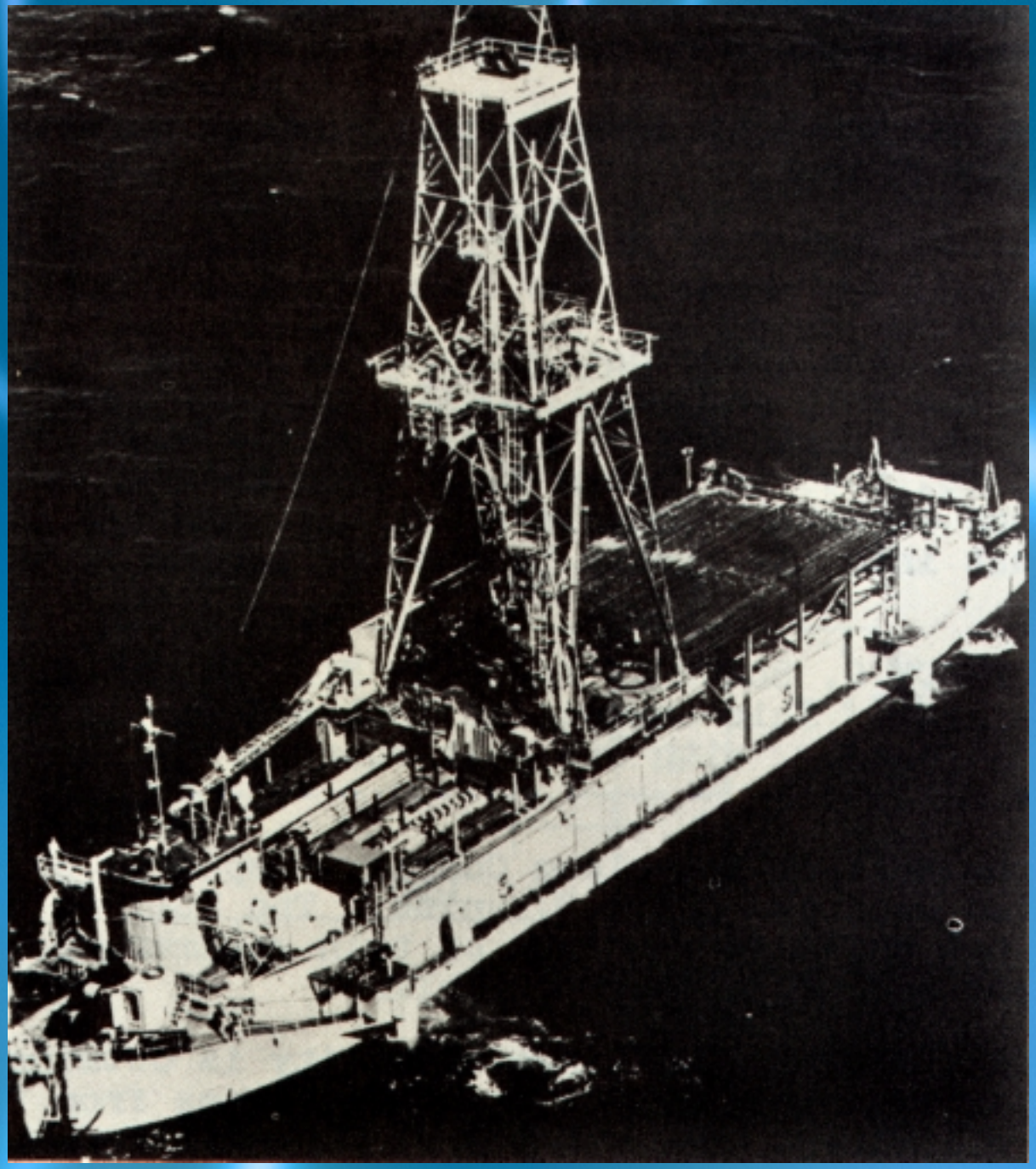

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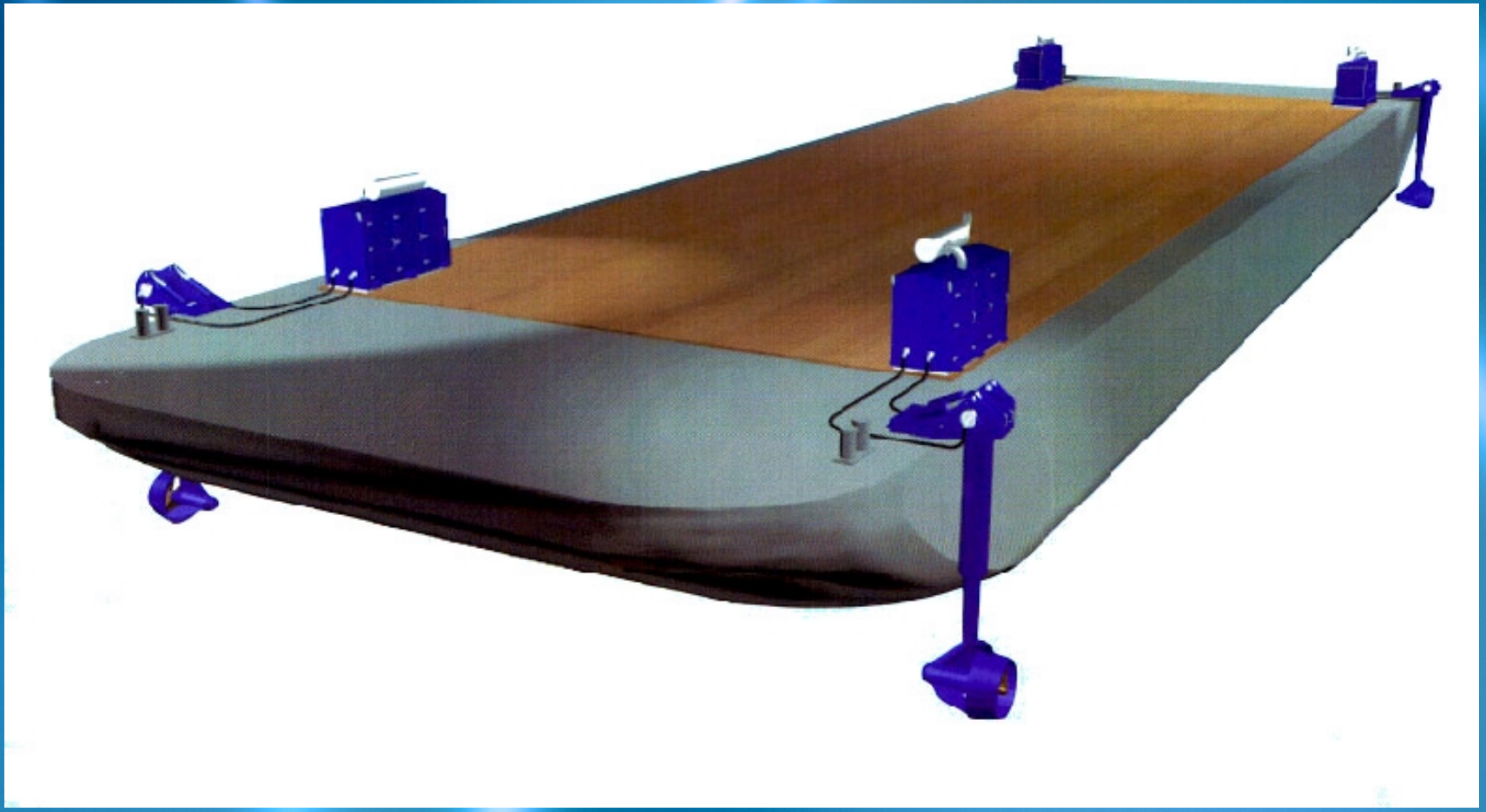
THE PACKAGED SYSTEM



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ARCTIC DISCOVERER

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ARCTIC DISCOVERER
THRUSTER

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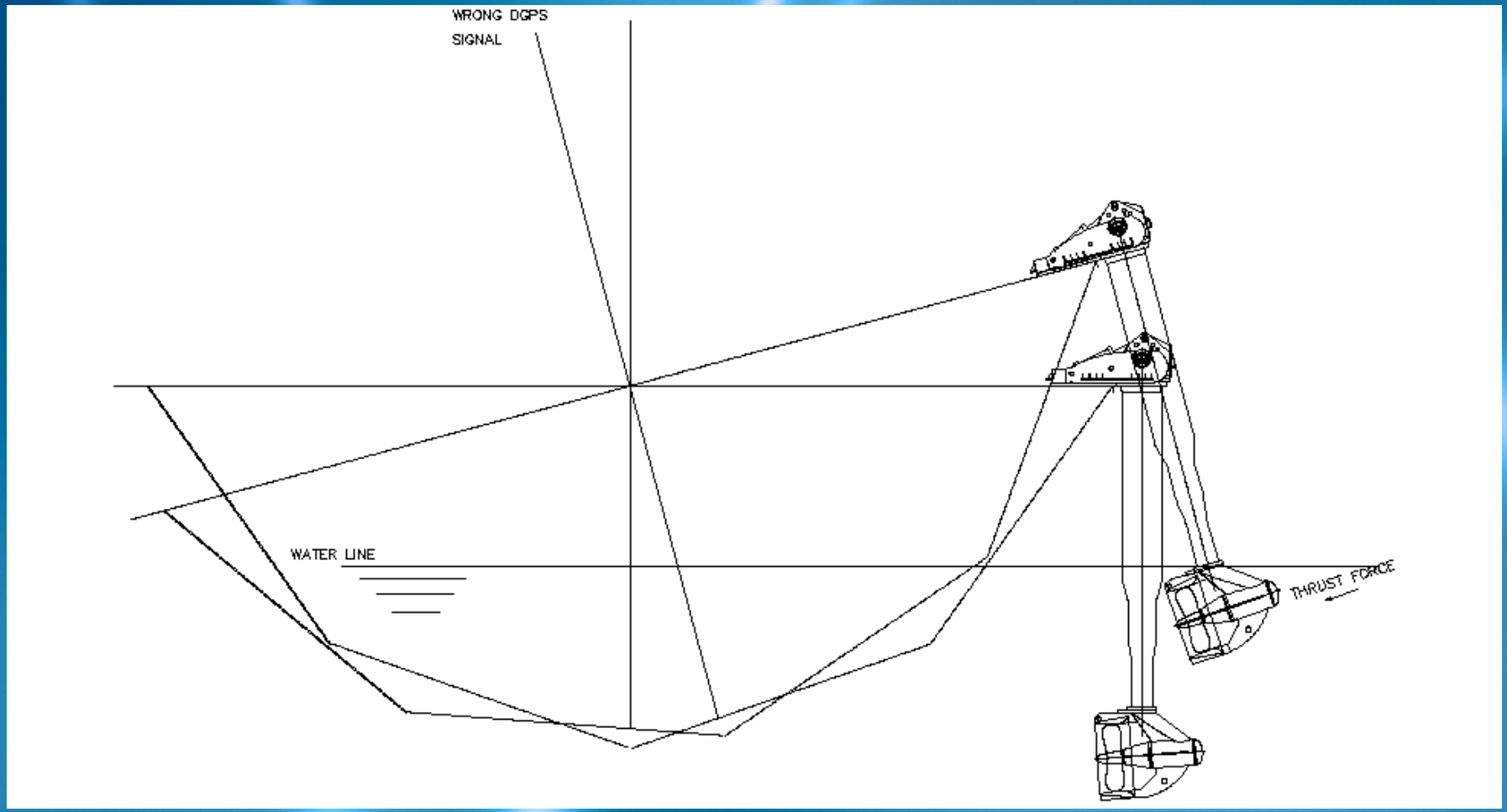
PROPELLER VENTILATION



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PROPELLER VENTILATION – DP STEM

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Packaged System approach lends itself very well for DPS-2 or DPS-3 classification

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CONCLUSION

- Total cost is generally about half of a conventional conversion

- ANY vessel or barge can be converted

- Single turnkey equipment provider
    - project budget easily established
    - project schedule easily established

- Quick turnaround

- Minimal alterations to vessel

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