



FOR IMMEDIATE RELEASE
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Introducing New Features for NavCad in 2006

NavCad is a software tool for the **prediction and analysis of vessel speed and power performance**. It also provides for the selection of suitable propulsion system components - engines, gears and propellers.

NavCad has a significant number of new features under development for 2006, especially for propeller performance and sizing.

- **Cavitation analysis** - A new proprietary prediction method for propellers in the transcavitating mode was added to NavCad, and presented at the WMTC2006 Conference in London.
- **Effect of shaft angle** - High shaft angle can greatly affect a propeller's thrust and torque. Avoid unexpected overload and peak cavitation surprises with a new "inclined flow" algorithm.
- **Propeller sizing** - A designer often needs to find the best propeller for a boat's top speed. A new iterative technique has been developed to automatically match the propeller sizing design speed to the attainable top speed.
- **Measures of propulsion merit** - A good designer always compares a design to industry-standard measures of merit. New propulsion criteria are being added, including "transport efficiency".

HydroComp, Inc. provides software products and consultancy services for the performance analysis and design of marine vehicles to industry, research and government clients. Currently more than 500 marine professionals in over 45 countries are using *HydroComp* award-winning marine propulsion software.

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