



**FOR IMMEDIATE RELEASE**  
**November 5, 2008**

## **NavCad™ 2008**

***New features for the industry-standard resistance and propulsion software***

*HydroComp 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.

### **User list tops 450**

HydroComp is very pleased to note the sale of the **450<sup>th</sup> license of NavCad** earlier in 2008. Currently at work in 48 countries, NavCad “has become a compelling acquisition for marine professionals involved in propulsion sizing and analysis, and those looking for new opportunities to improve hull and propulsor efficiency”, observed Donald MacPherson, HydroComp’s Technical Director. “The NavCad user community is extremely broad, from independent designers to major shipbuilders to internationally-renowned research firms.” Notable recent purchasers of NavCad include MetalCraft Marine (Canada), General Electric (USA), Northrop Grumman (USA), van der Velden Design (Netherlands), Honda R&D (Japan), Grand Banks Yachts (Singapore), ZF Italia (Italy), STX Shipbuilding (Korea), and Viareggio Superyachts (Italy).

### **New technical development**

Development in 2008 has produced a number of new features for NavCad, including

- New main Resistance and Propulsion pages, including analysis parameter entry tables.
- Analysis option for user selection of standard analysis techniques.
- A user Task List to create and track project tasks.
- Supplemental hydroacoustic analysis to estimate blade impulse and tip vortex pressures.

Upcoming planned development efforts include

- A new *Job Tracker* project management utility to NavCad usage on projects.
- Enhanced definition of hull geometry via longitudinal distributions of sectional area, beam, and deadrise.
- New measures of propulsion merit, such as transport effectiveness” to allow qualitative comparison to industry-standard measures.

### **About HydroComp**

HydroComp, Inc. provides software and services for the performance analysis and design of marine vehicles to industry, research, academic, and government clients. In 2008 – our 24<sup>th</sup> year of service to the marine community – we are pleased to have provided over 600 worldwide customers with unmatched products and services.

#### **For more information, please contact:**

Jill Aaron, Managing Director  
HydroComp, Inc.  
13 Jenkins Ct, Suite 200  
Durham, NH 03824 USA  
Tel (603)868-3344  
Fax (603)868-3366  
ja@hydrocompinc.com  
www.hydrocompinc.com  
www.hydrocompinc.com/blog