

June 20, 2025

HydroComp NavCad® 2025 What's New

New features for improved Vessel-Propulsor-Drive system simulation

Development in 2025 offers new technical features and workflow improvements.

Release Build 2025.2

Miscellaneous

- Extended “Gawn Low BAR” propeller for lower P/D, and improved sizing behavior.
- Improved design point estimates for propeller sizing with electric motors.

Release Build 2025.1

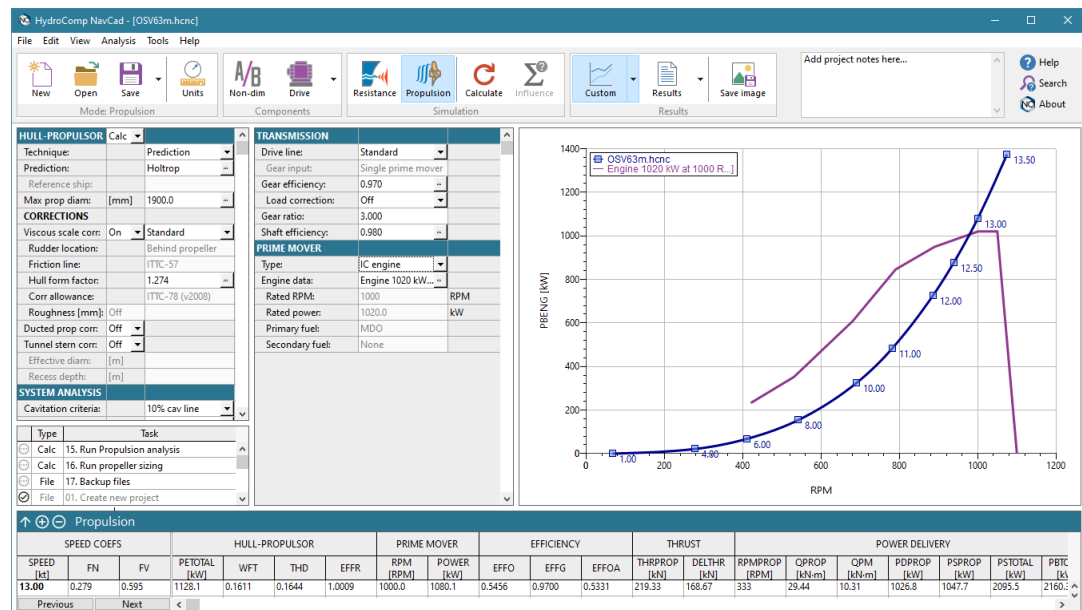
Miscellaneous

- Updated viscous properties for planing hull spray drag.
- New shallow water correction for hull-propulsor coefs.
- Updated the Burcher hull-propulsor prediction for Submarine/SWATH.
- New "Gawn Low BAR" propeller for low EAR 3-bladed Gawn AEW propellers.

Release Build 2025.0

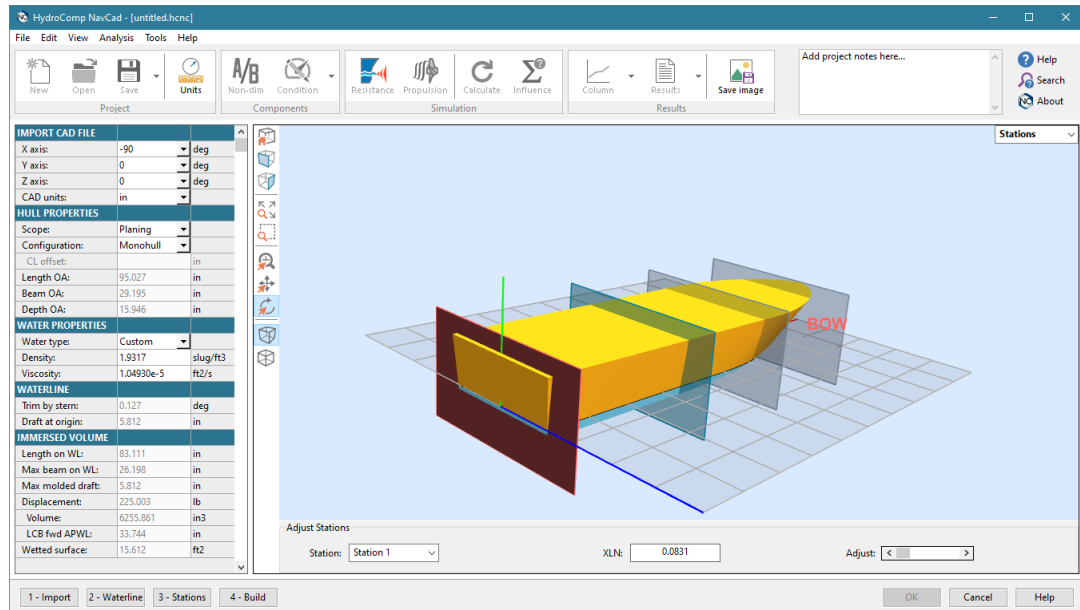
Interface Theme Update

Continuing the interface design objectives for all HydroComp's tools, NavCad 2025 now sports the main toolbar design first introduced for PropElements. Principal event buttons are collected and organized into *Project*, *Components*, *Simulation*, and *Results* groups. Our priorities are to maintain NavCad's well-known and efficient workflow, but to also find aesthetic and process improvements that users expect with current versions of Windows.



Hull CAD import workflow and rendering

The hull CAD import module has been moved to an integrated docked page for better ability to view the hull geometry, as well as the data extraction attributes and features (e.g., cutting planes). A new rendering library has also been employed for smoother visualization and aesthetics.



Miscellaneous

- Added wedge rudder as appendage option.
- A new “Notes” block allows for user-entered reference notes.
- Improved domain reference for the Enterprise-Floating License feature.
- Configured the Planing resistance Standard options to contemporary practices.

About HydroComp NavCad

For additional information, click to: www.hydrocompinc.com/solutions/navcad

About HydroComp

Since 1984, HydroComp has been a leader in providing hydrodynamic software and services for resistance and propulsion prediction, propeller sizing and design, and forensic performance analysis. Through its unique array of software packages and services, HydroComp now serves over 1200 naval architectural design firms, shipyards, yacht owners, ship operators, propeller designers, universities, and militaries around the globe.

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