



What is GHS?

GHS is comprehensive software that performs common and complex stability analysis calculations quickly and efficiently.

Unlike software that bases stability calculations on tables, GHS calculates trim, stability, and strength from mathematical and geometrical models of the vessel.

GHS handles not only ship hulls, but anything that floats or contains liquid. GHS is used to analyze and design submarines and ferries, SWATHs and dry docks, drilling platforms and tugs, sailboats and yachts, cruise ships and freighters, floating bridges, and yes, even a floating golf green.

And, since marine technology isn't static, neither is GHS. Over thirty years of continually improving GHS has resulted in careful refinement — a difference that's obvious once you give GHS a try.

The GHS Difference

There are many stability software programs available — some cost more; some cost less. GHS differences include:

- ease in modeling complex structures and detailed exteriors;
- macro commands which reduce input repetition resulting in fewer errors;
- quick setup of on-board version, GHS Load Monitor (GLM);
- reliability, meaning you can rely on GHS to perform a job accurately, correctly, and on-schedule.

GHS Packages

GHS (General HydroStatics) - The naval architect's package addressing flotation, trim, stability and strength by calculating the forces involved using mathematical and geometrical vessel models. Comes with Section Editor, Part Maker, and Model Converter.

GLM (GHS Load Monitor) - Specifically for shipboard use, this software turns an onboard computer into a multi-purpose visual loading monitor. Now easier and even more reliable with the new GLM wizard.

BHS (Basic HydroStatics) - The engineer's economy package.

See www.ghsport.com/products for details

License Management



NETPlus: This new flexible license manager allows GHS licenses to float from station to station, in-house or in remote locations. Licenses may be reserved, checked out, and automatically checked back in. Useful for salvage and specialized operations, travelers, and multiple user environments.

GHS Optional Modules

AF (Advanced Features): For advanced intact and damage stability, spotting low GM phases during submersion and IMO probabilistic damage for cargo and passenger vessels.

CG (Condition Graphics): Produces colorful, accurate vessel images for any given loading condition on screen and in printed reports. Mandatory for GHS Load Monitor.

FL (Floodable Lengths): Classic floodable length calculations and plots including minimum GM at intermediate stages.

LE (Load Editor): An interactive interface to quickly access and modify loads, weights, ground points, etc. For example, with a single keystroke you can change the loading of a tank and instantly see results relative to specific stability criteria. Mandatory for GHS Load Monitor.

LEw (Load Editor with Windows): Transforms Load Editor into a customizable visual command center to control and monitor all aspects of GHS with the push of a button. The essential interface for GHS Load Monitor.

LS (Longitudinal Strength): Addresses overall bending of the ship hull as a girder. Produces curves of shear, bending moments, stress and deflection. Also includes torsion.

MB (Multi-Body): Handles ITBs (Integrated Tug-Barge) dry docking, heavy-lift loading, and other interactions between multiple floating bodies.

GS (Grain Shift): Calculates volume, volumetric heeling moment, and vertical center of gravity as a function of ullage. Allows application of IMO, ABS and National Cargo Bureau rules.

TS (Tank Soundings): Produces tank sounding tables in five table formats. New formats can be added to meet special needs.

GHSCOM (GHS Communications): Integrates GHS with spreadsheets and other programs such as Excel, AutoCAD, Rhino, etc.

PI (Programming Interface): A procedure library that links programs written in different programming languages.



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