

Your all-in-one **Web-Based Loading Computer & Stowage Planner**

Discover the next-generation loading computer and stowage planner with SecureLoad, a game changing solution in the maritime industry. SecureLoad goes beyond traditional boundaries by offering a geometry-based stability solver combined with cutting-edge 3D interaction on the web.

SecureLoad stands out by integrating an optimisation algorithm and an intuitive user interface. This powerful combination transforms complex ballasting operations into straightforward, accessible tasks, even for those without a technical background. Step into a world where simplicity and efficiency redefine your ship-loading operations.

SecureLoad enhances your fleet with two distinct versions: the **On-Board Version** and the **Office Cloud Version**.



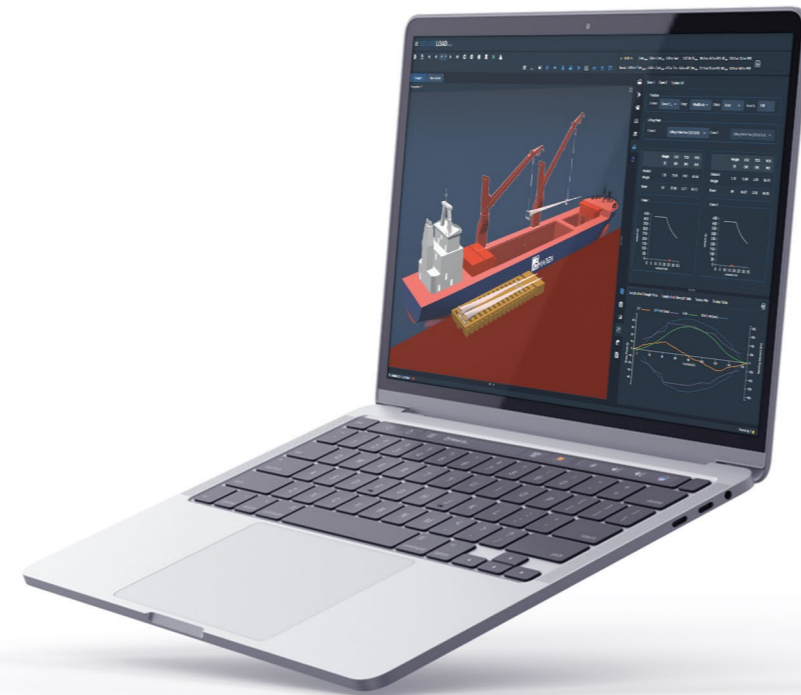
On-Board

SecureLoad's On-Board Version is specifically used within the vessel, enabling users on the local network of the vessel to access the loading computer from any device, fostering onboard collaboration.



Cloud

SecureLoad's Cloud-Based Office Version revolutionises vessel loading and stowage planning with real-time collaboration and online accessibility. It offers robust multi-vessel management for improved fleet oversight and automatic updates, keeping users at the forefront of maritime technology.



Who Benefits

Port Captains

Features like 3D cargo model, collision detection, and DXF export make it ideal for port captains to create executable stowage plans.

Naval Architects

Our optimisation algorithm streamlines hydrostatic calculations by simplifying ballast distribution calculation, reducing iteration and monotony.

Heavy Transport engineers

Allows engineers to oversee ballasting from the quayside using any device connected to the vessel's local network.

Chartering Manager

Cloud access allows managers to check vessel cargo loadability before fixing, simplifying decisions without crew input.

Ship Owners

Ship owners can share hydrostatic models of their vessels with charterers & consultancies, avoiding new model creation.

Vessel Crew

An ideal tool for crew, providing access to the loading computer from any device on the vessel's local network or Wi-Fi.



Why SECURELOAD

In maritime industry, a stark contrast exists between the rapid advancement in digitalisation and the stagnation of vessel loading software. Reliance on outdated systems, some over 30 years old, has led to inefficient operations plagued by poor user interfaces, inaccurate stowage planning and a lack of unified data sources. These issues result in cumbersome processes and widespread acceptance of inefficiency. Enter SecureLoad: a game-changing solution designed to revolutionise vessel loading with its cutting-edge features and streamlined efficiency, addressing the industry's long-standing challenges.



Latest Web Technology

Experience the ultimate convenience of web-based software – no installations, real-time access, and multi-user functionality from anywhere.



Interactive 3D

SecureLoad enhances user experience by bringing interactive 3D technology to web browsers, allowing for precise load case configuration in three-dimensional space.



Multi Vessel

Manage multiple vessels from a centralised platform, maintaining a single source of truth.



Real-Time Collaboration

Multiple users can simultaneously access and edit a worksheet, enhancing team collaboration.



Step-Based Workflow

SecureLoad streamlines marine operation simulations with a step-based workflow within a single worksheet.



Advanced Ballast Calculation

SecureLoad simplifies ballast calculations with its optimisation algorithm, making them accessible and reducing the time required.



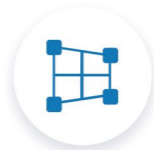
Role-Based Access Control

Role-based access secures data management, ensuring vessel geometry's single source of truth and ownership.



Third-Party Integration

API service facilitates sensor integration and effortless connection with external tools and systems.



Mesh-Based Cargo

3D cargo geometry offers detailed data and computational parameters, enhancing the accuracy and precision of your cargo planning.



Cargo Template Library

Our pre-defined cargo templates simplify load case configuration, removing the need to import or model cargo geometry each time.



Latest Features & Updates

Cloud-based office version auto updates users with the latest features, eliminating manual updates.



Long Term Support

Experienced team committed to innovation and customer satisfaction, offering exceptional long-term support.



MODULES

General

General Modules are designed to be the fundamental elements of our software. These core modules can be utilised by anyone to meet their specific requirements. Whether managing a fleet or handling a single vessel, our modules provide a versatile and user-friendly foundation for all your loading and stability needs.



Basic

Calculation of intact stability & longitudinal strength with a complete overview of results, curves & criteria.



Ballast Distribution

Ballast distribution module determines the optimum tank filling levels to achieve the desired loading conditions.



Online

Loading computer can be connected to receive real-time data from the tank sensor system.



Trim Optimisation

Optimises fuel consumption by fine-tuning the floating condition that meets the stability criteria.



Damage Stability Coming Soon

Damage cases assessment using direct methods.



Hoppe Ballast Control

Ballast Automation powered by Hoppe Marine GmbH, Germany, the market leader in floating dock control and automation of ballast operations.

Cargo Planner

Enhance your stowage planning capabilities with SecureLoad's Cargo Planner Modules. These add-on modules are ideal for users who need advanced functionalities in cargo planning and management.



DXF Exporter

Export 3D stowage into 2D plans in DXF format from loading condition.



Cargo Acceleration Coming Soon

Cargo acceleration calculation based on IMO-CSS and DNV Rules.



Cargo Lashing Coming Soon

Assist in planning cargo lashing in 3D, enabling the addition of lashing equipment and performing calculations to ensure secure stowage.



Augmented Reality Coming Soon

AR module transforms cargo stowage plans from the web app into immersive mobile camera visualisations.

Vessel Specific

SecureLoad provides various custom-built modules catering to multiple vessel types. These modules address your vessel type's specific characteristics and requirements, ensuring precision and compliance in every operation.



General Cargo

Module for loading and distribution of general cargo and configuration of hatch covers, tween decks and bulkheads.



Grain/Bulk Cargo

This module equips the system to assess the stability of a vessel loaded with bulk cargo or grain.



Crane

Intended to simplify cargo loading with single or tandem crane operation modes and perform associated stability calculations.



Container

The container module supports IMDG-compliant, efficient container positioning and BAPLIE data exchange.



Load-In Load-Out

Module to handle calculations considering the varying tide, moving cargo and vessel pump capacity.



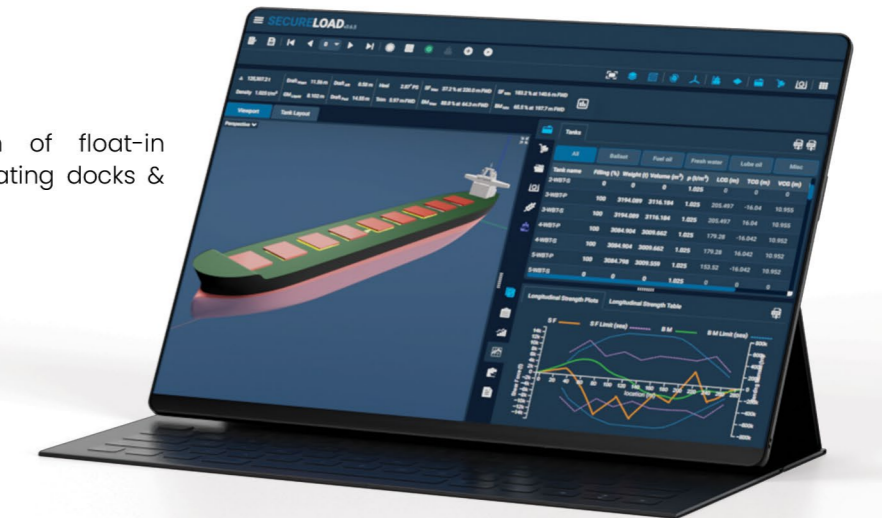
Float-In Float-Off

Calculation & simulation of float-in float-off operations for floating docks & semi-submersibles.



Tanker Coming Soon

Calculates precise cargo volumes in tanks by correcting for temperature-related density and volume changes, ensuring accurate ullage reporting.





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