

The CAPSIM Plugin for STOWMAN provides access to a cloud-based central computation engine and seamlessly integrates into STOWMAN. It solves tedious seaworthiness errors in a stowage plan with minimum changes to the initial plan.

The CAPSIM Plugin does not interfere with the overall planning process. It is designed to efficiently remove seaworthiness errors without changing the strategic decisions of the plan.

Features

Dangerous cargo segregation

Segregation of dangerous cargo (DG) can be tedious and time consuming. The CAPSIM Plugin segregates DGs in a plan according to the rules used by STOWMAN.

Lashing force correction

Lashing errors are hard to clear as they depend on the weight distribution of individual stacks. The CAPSIM Plugin solves lashing errors fast according to STOWMAN's force computations.

Trim target

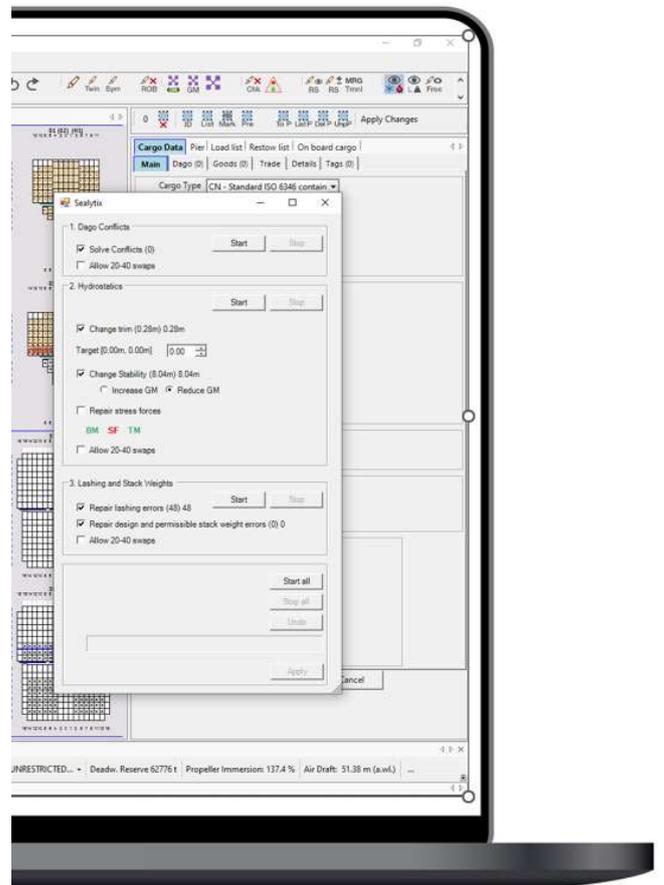
It can take a lot of time to move cargo in a plan to achieve a target trim. The CAPSIM Plugin solves this task for any achievable trim in seconds without causing listing.

Stability correction

Small vessels can be hard to make stable, while large vessels may have lashing errors caused by stiffness. The CAPSIM Plugin can move cargo to increase or decrease metacentric height.

Stress force correction

It can be really challenging for a planner to make trim and stability corrections while at the same time keeping shear forces and bending moments within limits. The CAPSIM Plugin does all in one single run.



Why the CAPSIM Plugin?

Automate your seaworthiness refinements

Fixing errors in seaworthiness is a task which is performed in nearly all stowage plans. It is a tedious manual process of reallocation of numerous individual boxes to comply with DG regulations and to stay within limits of lashing forces, stability, and strength parameters of the vessel.

Focus on the logistical aspects of stowage

Automated seaworthiness refinements unleash a potential to save up to 70% of the planning time. This increase in efficiency allows the planners to improve the quality of their work by having more time to fit extra units on the vessel and reduce costs.

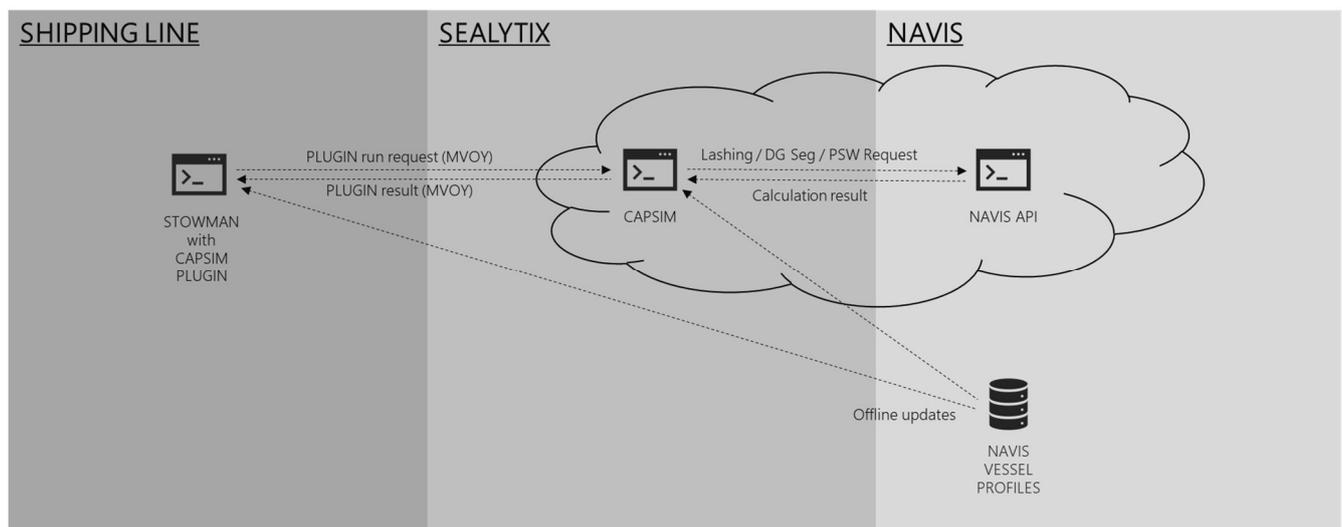
Seamless integration with STOWMAN

The CAPSIM Plugin is fully integrated with STOWMAN. It is setup and run from within STOWMAN and uses the same rules and requirements. The CAPSIM™ algorithm runs in the cloud and does not take resources from the client machine. All data is transferred automatically between CAPSIM™ and STOWMAN.

Don't worry about training

Tired of searching dozens of toolbars, menus and property panes while looking for the right feature? The CAPSIM Plugin avoids such clutter and has a simple user interface. It is intuitive to use with minimum training.

Deployment Architecture



IT Integration

No IT integration needed since all data is sent and received out of STOWMAN.

System requirements

- STOWMAN version that supports the Plugin.
- Internet connection to client machine.