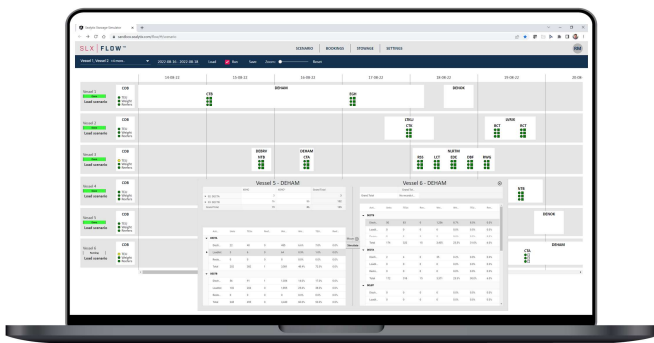# SLX | FLOW™

Precise and proactive capacity management is a major revenue driver. Unfortunately vessel capacity depends on dynamic aspects such as cargomix and load order. As a capacity manager, you often need planners to make several pre-stowages to know the true free capacity. This is time consuming and seldom happens to the extend needed.

SLX | FLOW™ uses our patented algorithm CAPSIM™ to make these pre-stowages automatically. This enables you to simulate the real impact of your decisions and experiment fast to find cargo flow solutions that best fit demand.

Features

Work fast with a tailor-made UI

SLX | FLOW™ is a modern cloud application with a web-based user interface that is designed to support the work process of capacity management. On a scenario page, you first select the vessels and dates that you want to work with. The system then loads schedule and booking data and runs CAPSIM™ on all vessels to make a stowage simulation of the cargo that you currently have allocated. The result is shown as a graphical overview of the vessel utilization.

Explore rich solution scenarios

The scenario overview provides detailed information about vessel utilization. It includes the fraction of loaded cargo; recaps of loaded cargo; and free capacity of vessels as a function of cargo type. In addition, it enables you to explore different solution scenarios. You can add and remove cargo to load; move cargo between vessels; and add, move, and delete port calls. Each time you make a change, CAPSIM™ is re-run on the affected vessels and the graphical overview of vessel utilization is updated.

Base decisions on true capacity

Forget about static capacity metrics based on TEU, weight, and plugs. SLX | FLOW™ computes the true free capacity of vessels as a function of cargo type, weight class, and discharge port. It also simulates the operation with all associated KPIs. This gives you deep insight into operational opportunities and requirements and allows you to take your capacity management to a new level of performance.

Maximize cargo yield and do analytics

SLX | FLOW™ allows you to prioritize cargo even according to yield. If you have cargo options with different yield, CAPSIM™ can select the cargo that maximizes yield. You can also use it for analytics. For instance, you can find out how much cargo that can be loaded from one client without rolling cargo from another in a later port etc..

React swift to changes

Since CAPSIM™ constantly re-stow vessels, you always have an updated overview of the current vessel utilization. This allows you to work proactively and react fast to changes in schedule and bookings.

Share solutions with stowage team

SLX | FLOW™ shows the stowage plans behind its capacity simulations on a stowage overview that you simply can share with the stowage team. This helps them plan faster, better, and more proactive.

Exchange data automatically

SLX | FLOW™ connects directly to the company's databases. You don't have to deal with files.

SEALYTIX

SLX | FLOW™

Why SLX | FLOW™ ?

Increase the revenue of your fleet

SLX | FLOW™ enables you to squeeze the last drop of capacity out of your vessels at the right time and for the right mix of containers to transport.

Empower your sales team

By optimizing yield and simulating stowable capacity, you pin-point opportunities to your sales team and enable them to act on client requests with confidence.
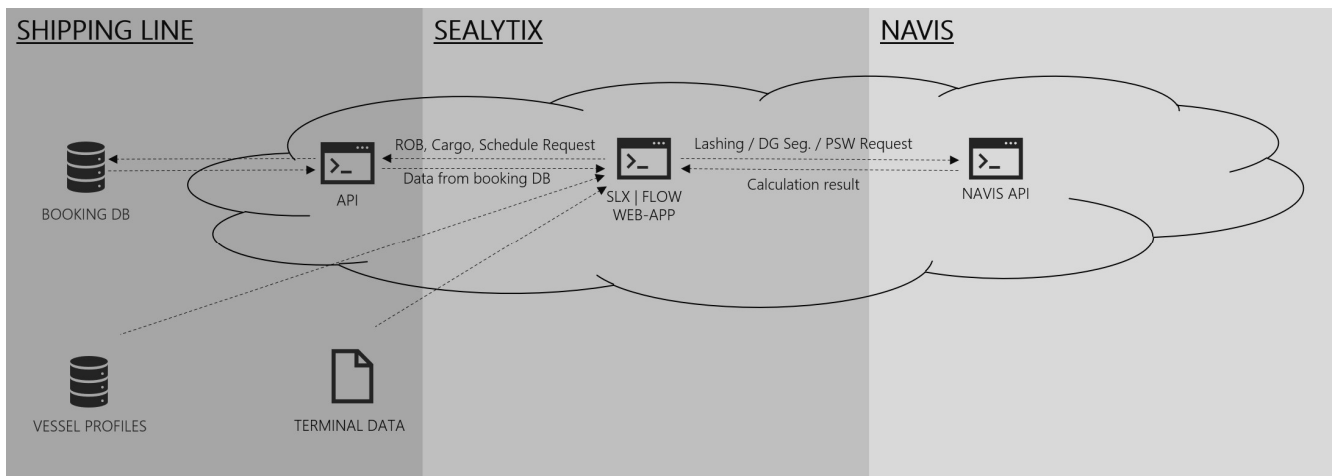
Generate solutions that work in operation

Not only does SLX | FLOW™ guarantee that your loadlists are stowable, it also provides detailed multi-port plans that the stowage team can use directly.

Establish a data-driven "one-truth"

With SLX | FLOW™, you use vessel and cargo data to establish a "one-truth" in the company about how the fleet can be used commercially and operationally.

Deployment Architecture

Architecture

- SLX | FLOW™ is a modern cloud application with a fast web-based user interface.

- It communicates seamlessly with your IT system and an API provided by NAVIS calculating lashing forces, PSW, and IMDG segregation tables.

- Vessel and terminal data are uploaded one-time.

IT integration

- SLX | FLOW™ connects to your IT system via an API that must provide arrival conditions, schedules, and bookings.

- The API can also be used to transfer the cargo flow decisions you make with SLX | FLOW™ back to your booking system.

SEALYTIX