



Maximize Your Capacity for Success

Advanced solution for optimizing and automating stowage planning

At a Glance

CyberLogitec's container stowage planning solution, OPUS Stowage, maximizes the number of containers a vessel can carry by producing an optimized stowage plan that minimises lifting and maximises space utilisation while ensuring vessel stability.

We also offer an enhanced version — OPUS Stowage Prime — with an added Optimisation Engine, embedded with heuristics algorithms to automate the stowage process optimally while balancing structural and operational constraints. It generates a stowage plan based on key indicators such as port call sequence, stacking rules, ballast optimisation, container re-handling, and vessel stability.

Both versions of OPUS Stowage solutions ensure operational consistency and improve planners' operational productivity.

Key Benefits:

- ✓ Reliable stowage planning that maximizes productivity based on heuristics algorithms
- ✓ Centralized database easily integrates with existing/legacy system and offers stowage plans in real-time regardless of location or time zone
- ✓ Logical decision-making delivered by optimization engine with fewer accidents caused by human error
- ✓ Built-in IMDG code (as published in IMDG Book) is fully applied and validated for all dangerous-goods containers

Who We Are

CyberLogitec empowers the world's supply chain with advanced technologies that solve operational challenges and meet the exacting demands of our industry.

From maritime shipping operations, port and terminal operating systems to logistics forwarding and warehouse management, our integrated solutions help your business respond swiftly to changing operational needs. Our technology's advanced algorithms digitize and automate data exchanges to improve efficiency, competitiveness, productivity, and service, no matter which part of the global supply you operate within.

We provide a global service desk so you are assured of 24X7 customer support throughout the year. Headquartered in Seoul, with subsidiaries in the US, Europe, and China and a global sales and marketing team in Singapore, you can reach us easily no matter your geographic base.

Our mission is to provide our customers a digital foundation to achieve new levels of operational efficiency, offer exceptional customer support, and gain competitive advantage for a positive impact on profitability.

Contact a sales team member at e-mail: sales@cyberlogitec.com or visit www.cyberlogitec.com for country office details.

Stowage planning has a direct impact on a shipping line's operational cost. With the increase in number of ships larger than 10,000 TEU and pressure for on-time vessel operation, shipping lines are facing the challenge of generating accurate, efficient, and stable stowage plans without onerous data preparation and planning.

What You Need:

- ✓ Consistent planning precision and productivity by your planners via system-aided planning
- ✓ Advanced logical decision making and standardized processes to maximize space utilization for lowered operational costs and greater profitability
- ✓ Automated data input and processes to reduce incidence of human error
- ✓ Management and analysis of data for better operational efficiency
- ✓ Improvement of vessels' on-time ratio
- ✓ Prevention of dead space occurrence in the stowage plan for maximum space utilisation
- ✓ Minimising containers re-handling work

How OPUS Stowage adds value to your operations:



Optimization for increased operating profit

OPUS Stowage Optimization Engine is the core of stowage optimization module in planning, space utilisation, vessel stability, weight distribution and ballast calculation. It also guides allocation of suitable locations for dangerous goods and analyse quay crane workload.



Automated CBF management

An automated Container Booking Forecast significantly saves planning time for special cargo - including reefer, dangerous goods, break bulk and out-of-gauge cargo - eliminating the costs associated with manually keying special cargo data into the system. It eases the special cargo data exchanging process between vessel partner and alliances.



Meaningful data from statistical reports

OPUS Stowage stores stowage data such as Full and Empty In & Out trends, Average Cargo Weight, Special Cargo Patterns, Lane Service and Season trends; and Weight Planning Patterns in a centralized database and displays the information in real time, giving you timely reports and critical information to manage vessel and cargo operations rapidly and proficiently.



Flexible and scalable system

Using Java multi-tier architecture, individual modules were built into OPUS Stowage that collectively deliver greater system flexibility and scalability, while reducing maintenance costs created by the dynamic terminal and shipping business environments.



Intuitive training tool for planners

With its inbuilt optimisation engine that applies heuristic algorithms to reach an optimal balance of maximizing space utilisation, improve port on-time ratio, optimize ballast and vessel stability, and minimize container re-stows, you can train and assess your newer planners more quickly and systemically. They can acquire needed experience and efficiency without time-consuming coaching from of more experienced planners. This ensures that improper human habits and behaviours are swiftly addressed through using the system while assuring the consistency and quality of planning every time.

Find Out More

For a demonstration on how OPUS Stowage can improve your stowage planning and productivity, please contact us at: sales@cyberlogitec.com; for more information on CyberLogitec and the other solutions we offer, visit us at www.cyberlogitec.com.