

STOWMAN



STOWMAN is an advanced multifunctional stowage operation system aimed at optimizing filling factors through enhanced and simplified handling of cargo operations.

The software is designed to assist:

- Shipping lines in voyage planning to achieve optimal vessel utilization
- Smaller terminals in optimizing port call and stowage planning
- Agencies in obtaining efficient load list management

StowMan uses the full scope of the stability and stress calculations, slot definitions and lashing rules of the onboard MACS3 loading computer and is therefore currently the most highly integrated and comprehensive stowage system in the container industry. With a library of more than 6,500 vessel profiles, StowMan and MACS3 streamline the stowage planning process, in addition connecting vessels, liners and terminals by exchanging harmonized cargo and vessel data.

BENEFITS

- ✓ Reducing manual work and increasing the flexibility for highly accurate optimized vessel stowage, while ensuring seaworthiness
- ✓ Reading, editing and exchanging (import and export) all standard cargo data formats, in addition to Excel and text formats
- ✓ Advanced crane operation functionalities, calculated by moves or time
- ✓ Easily import or create loading list with cargo check functions
- ✓ In compliance with the latest SMDG and IMDG code
- ✓ Efficient information exchange between the terminals, partners and central planners
- ✓ Continuous enhancement according to the industry's needs

REFERENCES

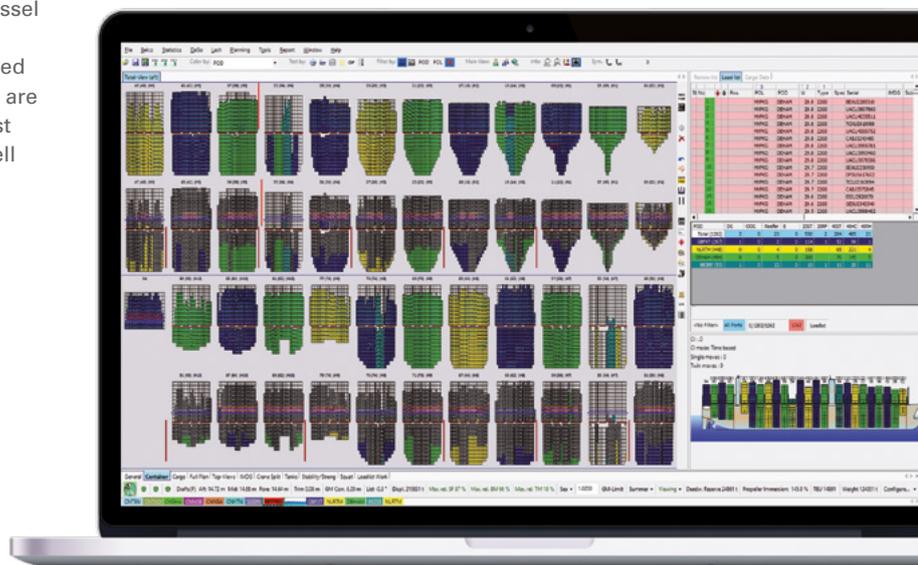
MACS3 loading computer holds a market share amounting to approximately 65% of the container vessel segment. Furthermore, around 25% of the vessels managed by liner operators are currently being stowed by StowMan. Our customers include companies that are counted among the top ten of Alphaliner's ranking list and include CMA CGM, Cosco Shipping Group as well as feeder liners, smaller terminals and agencies.

TECHNOLOGY

Supports Windows 10, the newest version

Recommendation:

Display	1920x1080
Memory:	8GB
Disk space:	300 MB
CPU:	Intel CORE I5 or higher



	SHIPPING LINES For Voyage Planning	TERMINAL For Port Call Planning	AGENCIES For Load List Management
STOWAGE PLANNING			
Manual planning/unplanning of one or multiple containers or break bulk by clicking or drag & drop	✓	✓	
Voyage vessel planning, navigating through all ports of the voyage preplanning, all loading and discharging	✓		
Real-time view if supported by TOS system		If supported by TOS	
Visualization in various cargo views: bay view, layer view, top view, side view and 3D-view	✓	✓	✓
Individual coloring and text settings for the cargo views, PDF and printout	✓	✓	✓
File import and export of EDIFACT/BAPLIE (BAPLIE 1.5, 2.0, 2.1, 2.2 and 3.1)	✓	✓	✓
File import and export of MOVINS, COPRAR, COARRI, IFTDGN, TANSTA	✓	✓	Loaders only
Easy import and export of ASCII container files, e.g. Excel, CSV	✓	✓	✓
Preplan import of BAPLIE and MOVINS		✓	
Customized saving formats including detailed information	✓	✓	✓
Creation of simple vessel profiles (VSD is required for advanced vessel profile handling)	✓	✓	
ADVANCED CARGO OPERATIONS			
Simultaneous arrival and departure condition	✓	✓	
Condition check including check of stackweights, reefer positions, visibility as per SOLAS Ch. V, Reg. 22, hatch cover clearance, OOG cargo, VGM, etc.	✓	✓	✓
Cargo check of the load list, missing information IMDG, etc.	✓	✓	✓
Stability and stress calculation	MACS3 module required	MACS3 module required	
Dangerous goods stowage and segregation check based on the latest version of the IMDG code and DOC	DaGo I module required	DaGo I module required	DaGo I module required
Proposing solutions to users for problems related to stability, lashings, dangerous goods and visibility	✓		
Providing real-time lashing calculations and visibility results according to major classification societies	SeaLash module required		
Detailed data input for each container possible, e.g. IMDG, reefer temperatures, handling instructions, booking numbers / B/L	✓	✓	✓
Data handling functionality for piers, e.g. compare and transfer	✓	✓	✓
Merge functionality for cargo files from different sources such as terminals and shipping lines	✓	✓	
Data translation functionalities using reference tables such as UNLocode database, ISO-container types, custom types	✓	✓	✓
Tank input manually and optimization	MACS3 module required		
Basic planning functionality for non-containerized cargo	✓	✓	✓
Advanced planning functionality for non-containerized cargo	MixStow3D module required	MixStow3D module required	
Distinction between restow (via pier) and shift move (not via pier); input of final position, customize restow reasons	✓	✓	
Handling of tweendeck hatchcovers	✓	✓	✓
Statistics such as container lists, port summary, IMDG summary, Suez Canal form, tonnage sheet	✓	✓	✓
Operator statistics	✓	✓	✓
Advanced reporting and statistics for cargo and vessel, e.g. load list, discharge list, re-stow list	✓	✓	✓
Computation of lost slots due to out-of-gauge cargo, high cubes, break bulk and stack weight limits	✓	✓	
Graphical presentation of crane split	✓	✓	
Manual and automated working sequence for cranes	✓	✓	
AUTOMATION & OPTIMIZATION			
Automatic (one-click) functionality for user pre-defined e-mails with standard reports and file attachments (highly customizable)	✓	✓	✓
Automatic stowage planning with preplan		✓	
Trim-optimizing, fuel-saving module TROP available	TROP module required		
Access to collaborative stowage platform in the cloud for real-time data exchange	XVELA	XVELA	XVELA
ADD-ONS			
Offline context, sensitive help function	✓	✓	✓
User-defined layouts for the screen setup	✓	✓	



If you have any inquiries or would like to set up an appointment with one of our sales representatives, please call or send an e-mail to:

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