OPTIMIZE YOUR BUSINESS, MAXIMIZE OPERATING PROFIT!

The rapid increase in large vessels greater than 10,000 TEU has led to companies spending much more time in data preparation and planning. Meanwhile, the higher demand for on-time vessel operation has created the need for more accurate stowage. The OPUS Stowage, container stowage planning solution, can increase the amount of cargo a vessel can carry by producing an optimized stowage plan. And it can efficiently manage all the data related to stowage and collaboration with the terminal.

It is hard to maintain consistent quality and productivity when a stowage plan relies on a planner’s experience and intuition. OPUS Stowage Prime is a next-generation stowage planning engine built on years of accumulated pattern information and stowage experience. It automatically generates a stowage plan based on key indicators such as crane productivity, container re-handling, and vessel stability. OPUS Stowage Prime maximizes work efficiency and allows consistent, logical decision-making for improved productivity.
CONVENIENT CBF MANAGEMENT

The new CBF (Container Booking Forecast) format automates data input for all types of special cargo, including reefer, dangerous goods, break bulk and awkward cargo, eliminating the costs associated with manually inputting special cargo data to the stowage system.

PROVIDE STATISTICAL REPORTS

In a span of 10 years, 100 vessels generate 1 million stowage files. This data is meaningless information if the stowage files are not statistically analyzed. OPUS Stowage uses a centralized database system to store all stowage data and displays the information in real time, putting vital reports in the hands of decision-makers to enable vessel and cargo operations to be managed rapidly and efficiently.

SYSTEM FLEXIBILITY & SCALABILITY

Using Java multi-tier architecture, CyberLogitec has built individual modules in OPUS Stowage that collectively deliver greater system flexibility and scalability and reduce system maintenance costs caused by dynamic terminal and shipping business environments.

### Key Benefits

- **Manual Working Time**
- **Engine Running Time**

![Graph showing Major Savings in Stowage Planning Time (13,000 TEU)](image-url)

Before | After
---|---
150 min | 30 min
15 min | 15 min

Before: 150 min
After: 30 min

Before: 15 min
After: 15 min
STOWAGE OPTIMIZATION FOR HIGHER OPERATING PROFIT

OPUS Stowage Prime is the optimization engine for automatically creating an optimal stowage plan. It applies calculation logic based on stowage experience and pattern information accumulated over twenty years, enabling planners to maximize work efficiency, automating cargo allocation and interactively processing stowage plans. OPUS Stowage Prime helps reduce operating costs and improve utilization, using key indicators such as crane productivity, rehandling, and vessel stability to generate a stowage plan.

BALLAST OPTIMIZATION FOR LESS BALLAST WATER

OPUS Stowage Prime improves ballast water management, assuring vessel stability and optimizing fuel consumption.

COMPARISON BETWEEN OTHER LEGACY SYSTEM AND OPUS STOWAGE

<table>
<thead>
<tr>
<th></th>
<th>Legacy System</th>
<th>OPUS Stowage</th>
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<tbody>
<tr>
<td>Planning productivity</td>
<td>Planning productivity depending on planners’ ability</td>
<td>Consistent planning productivity based on system algorithms</td>
</tr>
<tr>
<td></td>
<td>• Human errors are likely to occur</td>
<td>• Prevent accidents caused by human errors</td>
</tr>
<tr>
<td></td>
<td>• Decision making based on planners’ experience</td>
<td>• Logical decision-making by optimization engine</td>
</tr>
<tr>
<td></td>
<td>• No planner training tool</td>
<td>• Can use planning result as planner training tool</td>
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STOWAGE PLANNING AUTOMATION
OUR CUSTOMERS

NYK Line
SINOKOR
Intersia
KAMBARA KISEN Co., Ltd.
Interlog
Far Shipping (Singapore) Pte Ltd.

• 12% less ballast water
• 30% fewer re-handling times
• 10% higher vessel on-time ratio

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