



CASE STUDY – MASTERPLAN

Solution for Peel Ports - Clydeport Operation

Summary

Clydeport, part of the Peel Ports group of companies, is an international gateway which serves Scotland's industrial heartland. Clydeport consists of four ports – Hunterston, Greenock, King George V Dock and Ardrossan. They handle more than 12 million tonnes of cargo a year including coal, animal feed, fresh produce and scrap metal.

Clydeport implemented MASTERPLAN, a vessel planning operations system, to harmonise and automate shipping operations with a real time planning facility integrated with their own software systems. Users increased their productivity with the ability to handle three vessels instead of only one. The initial installation at Clydeport addressed all of their issues at a cost less than they were spending on courier charges – giving considerable cost savings per annum.

Project Objective

Implement a vessel planning system which will organise all container information necessary to perform the various operational functions required for the efficient planning of container vessels at each port of call.

Key Challenges

Multiple manual procedures resulting in increased chance of error and wasted time:

- Inaccurate manual bayplans
- Manual re-entry of import
- Manual re-entry of export containers
- Paper vessel layout
- Manual vessel planning
- Manual reports
- Manual container counts
- Changes to container information by email and phone
- Manual consolidation of final vessel condition
- Manual update of Bayplans
- Expensive courier service for Bayplans and associated documentation

Why Masterplan?

Clydeport assessed various container vessel planning systems, and Masterplan offered the best solution for their requirements. The software was able to automate in a cohesive manner all of the areas that they were struggling to control manually – yard/stack control, container flow analysis from the point of view of the Port Captain, local planner, ships command, terminal stevedore and the liner agency.

Masterplan Solution

- ✓ Receipt of Bayplans via EDI
- ✓ Electronic receipt of import containers from EDI Baplie files
- ✓ Electronic receipt of export containers by simple file connection to local systems
- ✓ User created electronic vessel model and layout
- ✓ Integrated display of import and export containers with current vessel layout for multiple option on screen planning
- ✓ Multiple automated reports
- ✓ Automatic container count monitoring
- ✓ Electronic receipt of container changes
- ✓ Automatic consolidation of final vessel condition
- ✓ Automated update of Bayplans
- ✓ Inexpensive emailing of EDI files

Subsequent Projects

Real time Yard display

Seawise completed a subsequent project for Clydeport created a real-time Yard display with:

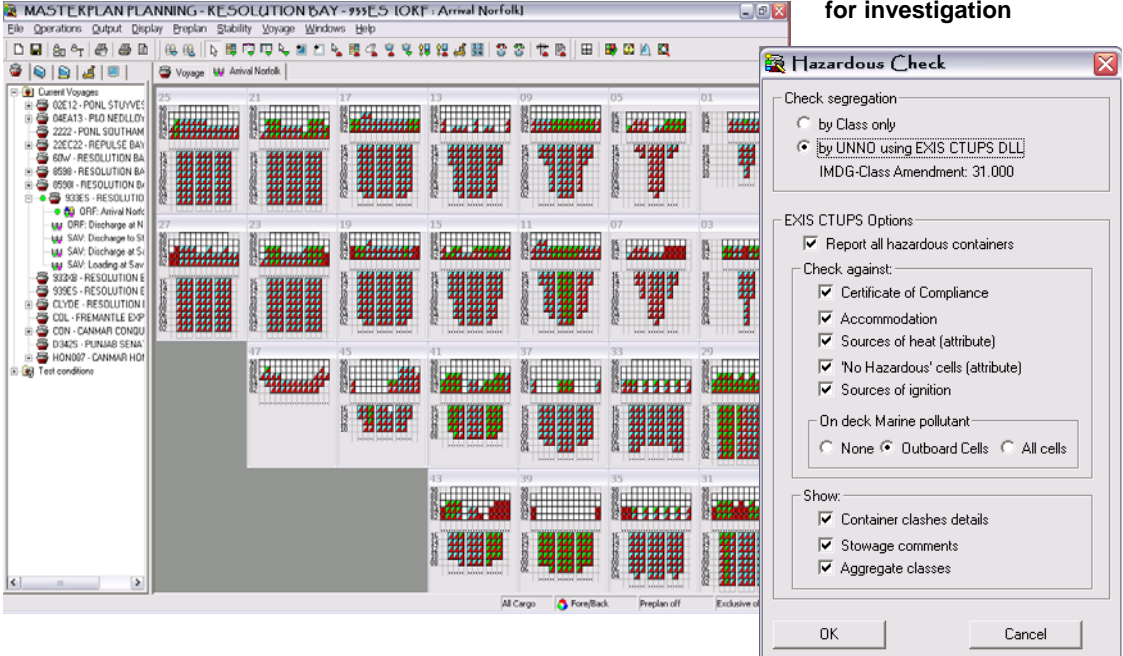
- continuous receipt of all changes to containers at the gate or centrally
- automated update of containers in the Yard display in Real Time

MasterPort

The current project for the Peel Ports Group is to create a real time planning facility fully integrated with the clients own systems including:

- continuous bi-directional update of all import, export, restow and planning container information
- fully integrated, entirely flexible, multi-option planning environment using Masterport's integrated vessel model layout and functionality

Example system view – selected bays for investigation



The screenshot displays the MASTERPLAN PLANNING software interface for 'RESOLUTION BAY - 999ES (ORT - Arrival Norfolk)'. The main window shows a grid of bay plans for various containers, with a 'Hazardous Check' dialog box open on the right. The dialog box is titled 'Hazardous Check' and contains the following options:

- Check segregation:
 - by Class only
 - by UNNO using EXIS CTUPS DLL
 - IMDG-Class Amendment: 31.000
- EXIS CTUPS Options:
 - Report all hazardous containers
- Check against:
 - Certificate of Compliance
 - Accommodation
 - Sources of heat (attribute)
 - 'No Hazardous' cells (attribute)
 - Sources of ignition
 - On deck Marine pollutant:
 - None
 - Outboard Cells
 - All cells
- Show:
 - Container clashes details
 - Stowage comments
 - Aggregate classes

Buttons for 'OK' and 'Cancel' are visible at the bottom of the dialog box.

IMDG Code Segregation check options

Key Benefits of Masterplan

- ✓ No capital expenditure required
- ✓ System running costs paid for by immediate and continuous cost savings
- ✓ Reduced costs for couriers, postage and faxes
- ✓ Reduced administration costs from less paperwork
- ✓ Reduced costs due to increased data validity
- ✓ Reduced workload enabling planners to plan more efficiently
- ✓ More effective utilisation of available staff
- ✓ Tried and tested and available immediately
- ✓ Improved response and service teams to customers and third parties
- ✓ Industry standard data files
- ✓ Operates on actual departure Bayplans increasing speed and accuracy
- ✓ Multiple planning options for more effective planning
- ✓ Early and timely accurate information based on actual departure Bayplans
- ✓ Reduced reconciliation – all relevant parties using the same data
- ✓ Early and automated verification against the manifest facilitated
- ✓ Re-entry of container data eliminated
- ✓ Reduce costs: a quicker turnaround because of reduced Stack Shifts
- ✓ Increased revenue from better utilisation and handling of 'late runners'

Try Masterplan for yourself at www.seawise-isl.com

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