



# Cargo Management System

## INTEGRATED COMPONENT DESIGN

### CONTRACTS

Sales and Marketing

### ORDERS / BOOKINGS

Export  
Import  
Un-sold  
Release Authorizations

### MOVEMENT

Vessel Schedule  
Arrival  
Departure  
Railcars  
Yard Allocation

### ACCOUNTING / WEB / EDI / REPORTING

Electronic Data Interchange (EDI)  
Web / Internet Component  
Billing

## SYSTEM HIGHLIGHTS

CMS is a Multi-Cargo Management System designed and developed for major marine terminals. CMS reflects over 10 years of shipping experience and dedicated work of our system developers and extensive input from terminal operations staff, cargo carriers, manufacturers, and shippers. The result is a flexible, efficient system that precisely controls cargo operations and improve productivity, customer satisfaction, and profitability. This multi-user system provides real-time cargo information for the terminal operator and its customers. It includes many modules such as marketing, vessel and job planning, export, import, inventory, gate & railcar, work order, yard



# Solutions & Benefits

## **CMS is a One Software Solution.**

It provides all of the software needed to manage any kind of cargo operation from breakbulk to container. This highly flexible and configurable system adapts to varied cargo mixes, units of measurement, customer types, facility layouts, vessel sharing and operating methods.

## **Serve Operational Needs.**

CMS was developed from the ground up for terminal operators by drawing on the knowledge and experience of operations experts and all levels of staff, and by applying a thorough background within the transportation industry to identify the specific needs of its intended users. The result is a comprehensive solution that addresses all the operational challenges of 21st century terminals.

## **Increase Productivity.**

CMS ensures cargo information is correct throughout the entire process. The system controls cargo at each step of the operation (receiving/delivery, loading/discharge) and verifies cargo movement against information provided by shippers, consignees and carriers. This ensures optimal terminal productivity and expedites cargo to its intended destination quickly, safely and efficiently.

## **Provide Speedy, Efficient Real-Time Information Exchange**

between all the links in the logistics chain via EDI, Email or Web Access. CMS' superior entry, processing and reporting environment keep you and your customers up-to-date with cargo and operations information.

## **Integrate With Other System Hardware & Software.**

CMS integrates with several external hardware and software products to improve terminal operations. Handheld mobile data terminals for remote systems access, barcode scanners for improved systems accuracy and efficiency, and a variety of stowage and billing/accounting software packages can all be seamlessly incorporated into the CMS package.

*"Companies are looking for ways to MANAGE their business and with the CBS program Trealmont Chartering has had the opportunity to do just that... CBS is an effective program, which is useful in all other facets of our day to day jobs."*

*— Brian Wolfe, Broker  
Trealmont Chartering*

*"I am very impressed once again. I like the flow and the set up of both the Rate Inquiry and Work Order components. You guys have done an excellent job. I can't wait to have customers interacting with this system."*

*— Jeff Scott, Operations Manager  
Fraser Surrey Docks.*



**Seatech Systems Integration Inc.**

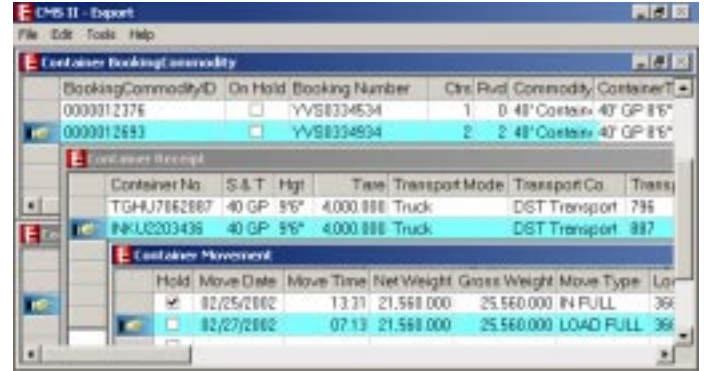
For the more information please visit [www.seatech.bc.ca](http://www.seatech.bc.ca)

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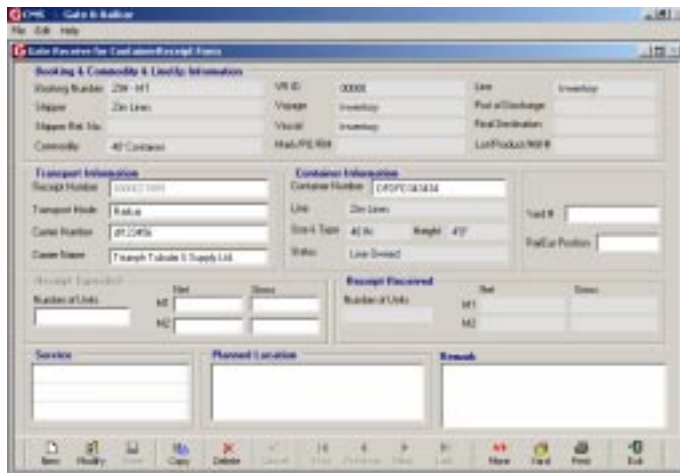


# Key Features

**Export Processing.** CMS receives export cargo information directly from carriers, agents and shippers. When cargo arrives at the gate, the system verifies its status and characteristics against information already received, then tracks its movement through the terminal, ensuring correct storage location and special services applications, and eventually verifies loading onto the correct vessel and in the proper stowage position. As changes in instructions are received from customers, CMS offers full flexibility to enter, record and act upon such changes.



**Gate & Railcar Operations.** CMS ensures the terminal receives and delivers cargoes accurately and efficiently. The system verifies export cargoes against



booking information and import cargoes against Customs and Steamship clearances, and also records information related to receiving/delivering truck, rail or barge operator. CMS can process multiple transactions during a single gate visit and it's programmed to provide pre-receiving and pre-delivery advice as well as gate appointment schedules via EDI or Web based access.

**Import Processing.** CMS controls cargo throughout the entire import process. The system receives cargo data before a vessel arrives and then tracks the discharge and movement of goods while at the terminal. Before cargoes are picked up, CMS ensures that Customs and Steamship releases are in place. CMS also lets you track and monitor cargo ownership while on the terminal as a value added service to your customers.

**Unsold Cargo Processing.** CMS works perfectly as a warehouse distribution system. It tracks all cargo, even prior to actual arrival, and provides effective monitoring until it is released and delivered. Any services performed on the cargo, and any changes in its ownership, while on the terminal, is accurately controlled and recorded by CMS, thereby offering your customers a complete inventory management tool.

**Yard Operations.** With its highly flexible and configurable infrastructure CMS will let you setup and adjust your own facility layout. You can pre-allocate terminal space by vessel, cargo type, destination, customer and booking. The program will provide feedback on current status and capacity of each terminal location in an easy to monitor color-coded format. With its very effective reporting function, CMS can also produce optimization models and utilization statistics for your terminal space. Yard personnel can use system-supported mobile data terminals to update yard information on a real-time basis.

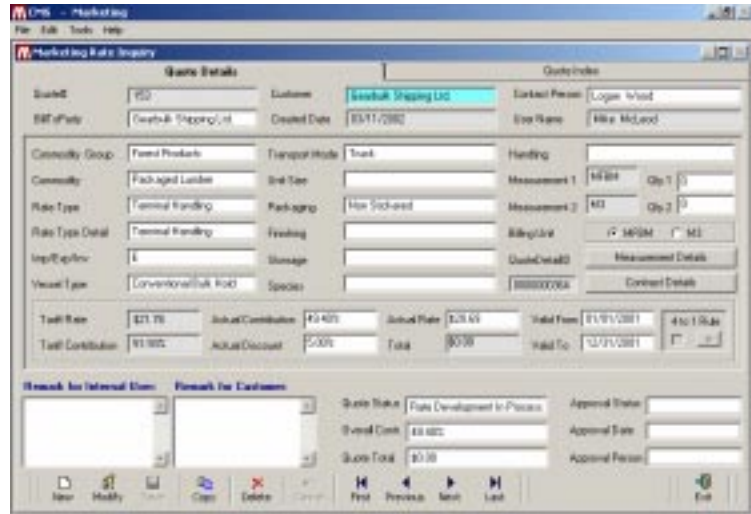




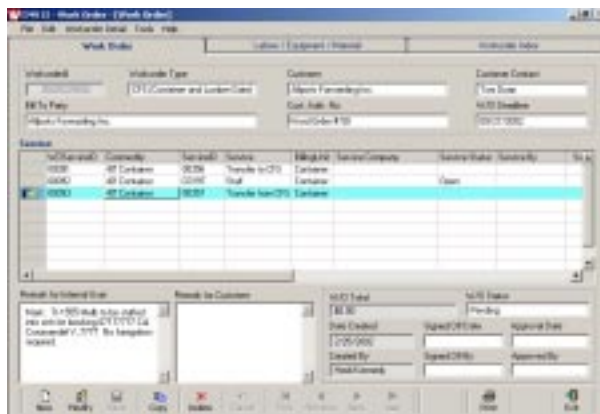
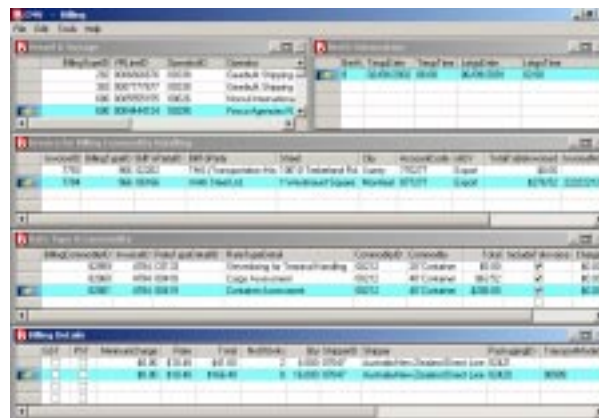
# Key Features (cont.)

**Vessel, Berth & Job Planning Integration with Payroll and Costing.** CMS includes vessel and berth schedules, which keep tracks of vessel, voyage and berth information, as well as operator and carrier details. The job planning function is closely integrated with export and import processes to aid terminal operators in ordering labour and determining appropriate equipment needs. CMS verifies actual work hours against orders before transferring data to payroll and performing productivity and costing analysis.

**Rates and Inquiries.** This is actually the starting module in the CMS package. All customer inquiries, whether terminal handling, stevedore functions, special cargo services or labour only, are recorded in this module. Marketing staff can build up tariff and discount rates for all customers based on these records, and CMS ultimately performs the billing function using the customer specific rate/tariff records in combination with cargo and other information received from the export and import modules. CMS backs all rates with a comprehensive costing system.



**Automatic Billing.** You confirm cargo volumes and applicable billing details for each vessel/voyage or other job and CMS does the rest. The system uses data from other integrated sources to automatically produce invoices that can be printed and faxed, or emailed to customers. Invoice details can then be transferred to any popular accounting software for tracking of collections.



**Work Order.** To efficiently control cost and revenue CMS lets you create, cost and project revenues of each work order. Once completed, the work order is then also transferred automatically to billing.

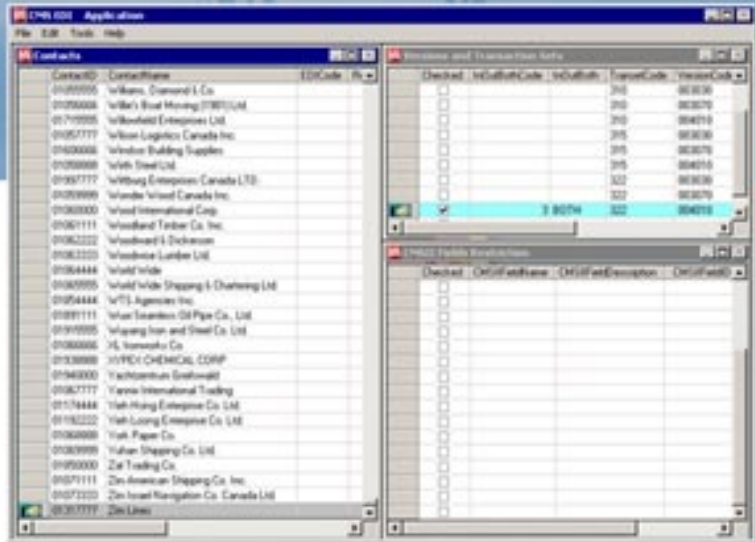


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# Key Features (cont.)

**Electronic Data Interchange (EDI).** CMS provides EDI to enhance the speed and accuracy of communications between the terminal, its customers, and government agencies. You can use industry standard or proprietary message formats for sending and receiving Customs releases, shipping line releases, stow plans, gate moves and other vital information.



**Terminal Management & Administration.** CMS provides more than 180 reports spanning customer service to operations functions, designed to provide management tools to improve the efficiency and profitability of the terminal.

**Customer Online Support.** CMS gives your customers direct, secure access to terminal operations data via the Web. Customers can request rates, generate work order, view and print a variety of real-time reports such as booking status, on dock details; verify movement history and receiving/releasing status of their cargo 24 hours a day, 7 days a week.



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