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Oceaneering® TerminalSmart™

Optimizing Marine Terminal Performance



Oceaneering® TerminalSmart™ is an integrated, web-based platform of vessel tracking, management, and analytical tools designed specifically for marine terminals. Users leverage the power of Oceaneering®

PortVision 360 and benefit from added features designed to increase efficiency, reduce costs, and enhance safety and security of marine terminals.

Connecting What's Needed with What's Next™

Streamlined Vendor and Resource Management

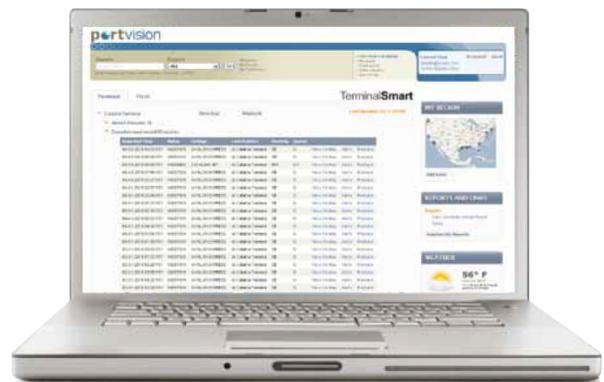
TerminalSmart enables users to view fleet information and vessel activity for their vessels and other waterway users. Functionality supports the definition of customized fleets of chartered vessels, workboats, tugs, pilots, and barges and generates e-mail and text message alerts as needed. Then use PortVision to gain access to your fleet information anywhere using your web-enabled mobile device. Finally, have the power you need to hold vendors, service providers, and other waterway users accountable. Use PortVision's historical reporting and animated playback to support negotiation, training, enforcement, or even litigation. Identify actual events as they happened and use TerminalSmart's reporting and display features to share information, as required.

Scheduling, Dispatch, and Traffic Management

Dispatch and operations centers can benefit from real-time vessel data for all AIS-enabled vessels along the waterway. Vessel locations and movements can be incorporated into current logistics practices while custom filters, views, and identified fleets help increase productivity. Having a complete overview of a terminal's activities further supports just-in-time scheduling based vessel locations and dock availability. Or use TerminalSmart's specially configured "operations center" display to optimize your viewing for a "big-screen" command center environment.

Integrated Demurrage Reporting and Analysis

The system's dashboard provides key demurrage-related data within a single, integrated display. TerminalSmart automatically captures and time-stamps vessel arrivals and departures and allows you to add your own documents and dock-side events for each vessel call. Or if you prefer, drill-down to view detailed data for a specific vessel of interest, including timestamps of key events such as NOR tenders (i.e. sea buoy arrival), dock arrivals and departures, and passings by key points of interest. Play back an animation of vessel movements and other waterway activity to verify demurrage claims and produce the documentation you need to support or dispute each demurrage claim. And print key position and event reports (or save to a number of formats including Excel and PDF) to give you the supporting data you need.



Incident Response

TerminalSmart can be used to manage all aspects of an on-water incident or event. View vessel traffic in real-time and set user-defined safety zones to immediately

be alerted of specific traffic conditions. Verify vessel speeds and drive compliance through real-time and historical reporting. PortVision 360 on-board, battery-operated satellite tracking units can be placed on unmanned barges and equipment to incorporate them into the real-time display. The TerminalSmart display is specifically designed for operations center use and can be configured to highlight every aspect of an actively managed incident. TerminalSmart is web-based and provides real-time views and reporting functionality to remote participants and supports the flexibility of using a remote operations center without a requirement for server hardware.



TerminalSmart can be used to verify claims associated with delays and to verify the activities of workboats, response vessels, and other affected parties. TerminalSmart's historical playback and reporting can be used to evaluate the incident, identify best practices, and increase the value and delivery of your training programs post incident. Our ICS-

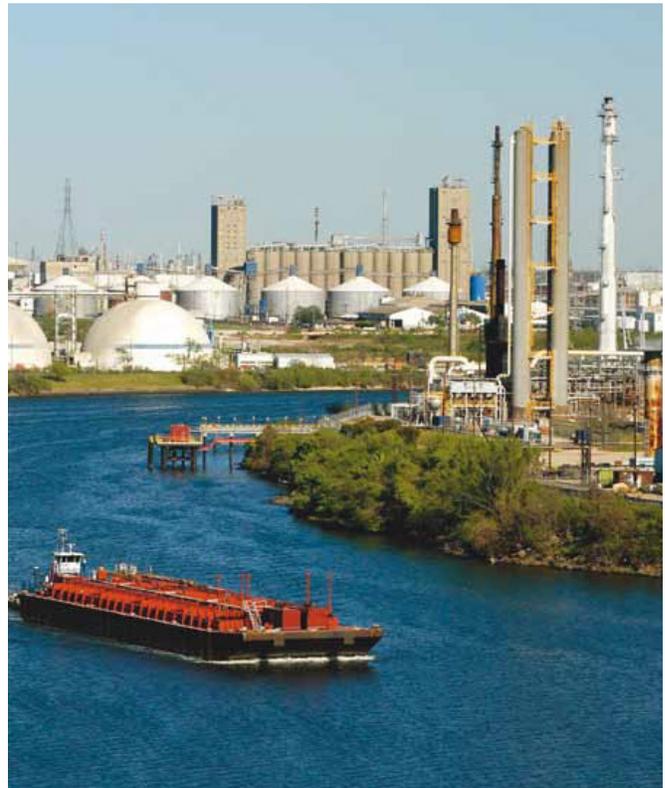
certified personnel can support you as needed, including an option for on-site support.

The power of real-time information

Flexible PortVision User Access

TerminalSmart does not operate a restrictive, per-user licensing model but puts the power of the program into the hands of every authorized user at your terminal.

Optional Dock Management and Flex Report capabilities support advanced scheduling and enterprise views and ad hoc, advanced reporting capable of producing aggregate and specific information to suit the customer's needs.





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