

PORT-LINE VEHICLE BOOKING SYSTEM (VBS): OPTIMIZING TERMINAL VEHICLE MOVEMENTS

The PortLine Vehicle Booking System (VBS) is a robust solution designed to streamline and enhance the management of vehicle movements within terminal operations. Focusing on truck bookings and access control, VBS aims to improve operational efficiency, reduce congestion, and facilitate smoother interactions between truck drivers and terminal gate systems.

KEY FEATURES

SLOT MANAGEMENT

VBS enables terminal operators to create and manage time slots for truck arrivals. Administrators can define the number of trucks per slot and establish policies to prioritize less congested times, effectively balancing terminal traffic and minimizing delays.

BOOKING MANAGEMENT

The system provides comprehensive tools for reviewing and monitoring current and future truck bookings, with visibility into cargo and truck paths to help predict congestion.

GATE MONITORING

VBS integrates live monitoring of terminal gate activities, giving operators real-time visibility over truck passes used for access. It tracks valid and invalid passes, ensuring only authorized vehicles enter the terminal, and helps identify potential issues like jams or invalid passes.

DRIVER NOTIFICATIONS

Sends real-time updates to drivers about congestion, parking, and important terminal updates, improving traffic flow.

PASS MANAGEMENT

Tracks all active and inactive truck driver passes, ensuring only those with valid passes can access the terminal. Provides a clear view of active passes and allows for quick resolution of issues related to invalid passes.

LIVE GATE DISPLAY

Offers real-time gate status visibility to operators, preventing congestion and managing traffic flow.

MOBILE APPLICATION

VBS offers native mobile applications for Android and iOS, the app enables on-the-go booking management, real-time updates, and notifications for enhanced flexibility.

BENEFITS

- **Improved operational efficiency:**
Streamlines slot and booking management, reducing terminal congestion and enhancing throughput.
- **Enhanced visibility:**
Live gate monitoring and detailed booking insights maintain full control over truck movements, reducing security risks.
- **Driver communication:**
Real-time notifications keep drivers informed, reducing idle times and improving their overall experience.
- **Reduced congestion:**
Manages truck arrivals based on time slots and live gate monitoring to minimize bottlenecks and terminal delays.