

# TERMONT

A large gantry crane is the central focus of the image, extending from the foreground into the background. The crane is white with red accents on its jibs. The background shows a port terminal with stacks of colorful shipping containers and a body of water under a blue sky with scattered white clouds. The left side of the image is covered by a semi-transparent blue overlay where the text is located.

ENHANCING TERMINAL  
EFFICIENCY: MANAGING  
PEAKS & IMPROVING  
THROUGHPUT

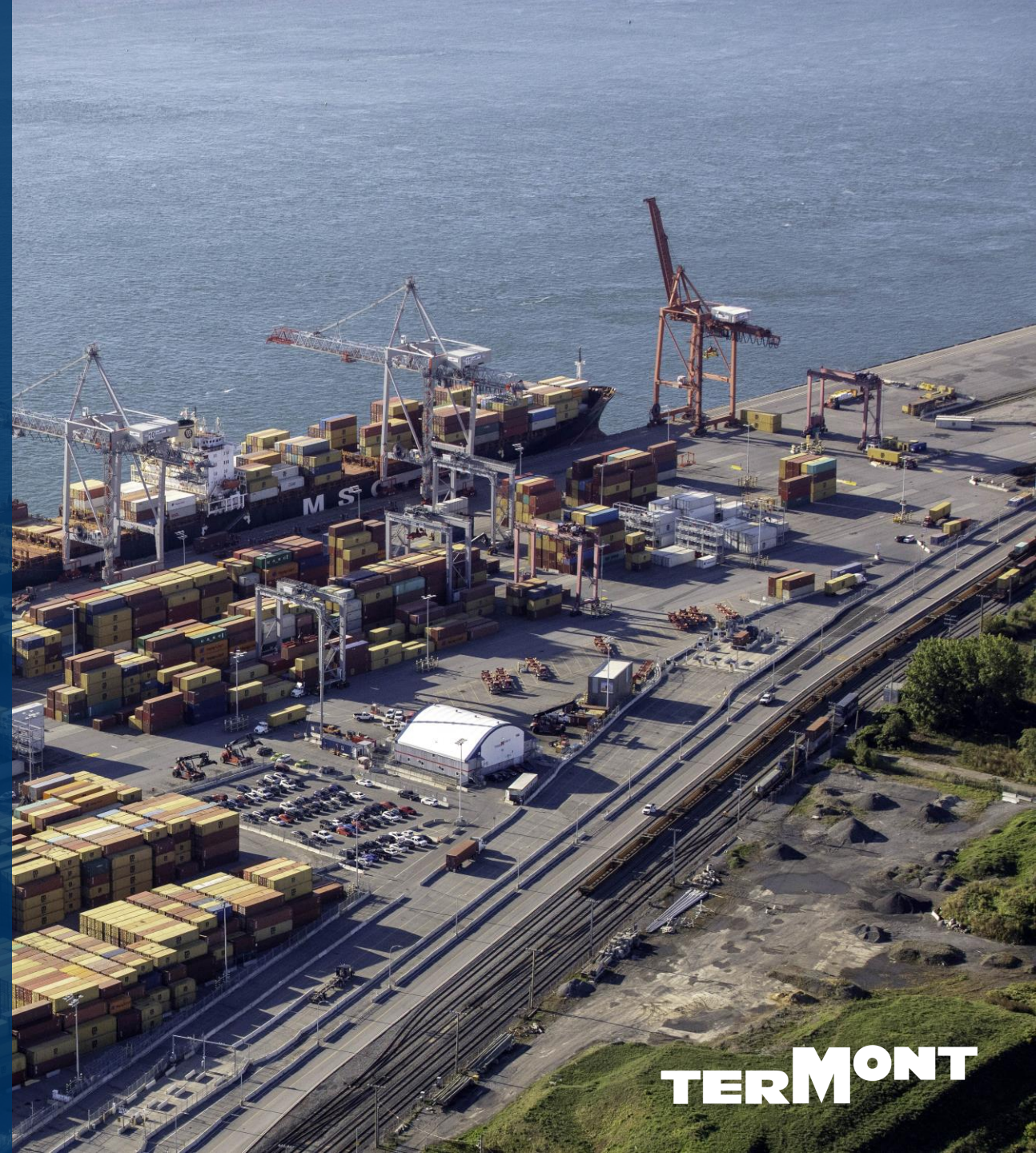
JUNE 2025 | ROTTERDAM, NL

# THE SCIENCE OF DWELL TIME



One of the first things to tackle when aiming to increase throughput.

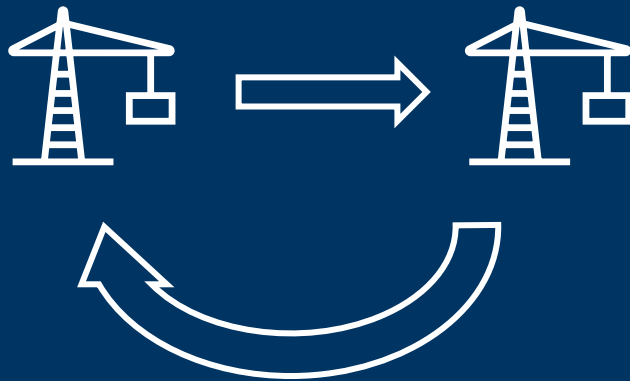
How can we ensure every container leaves the terminal as quickly and efficiently as possible?



**TERMONT**

# A FEW KEY INITIATIVES THAT CAN HELP REDUCE DWELL TIME

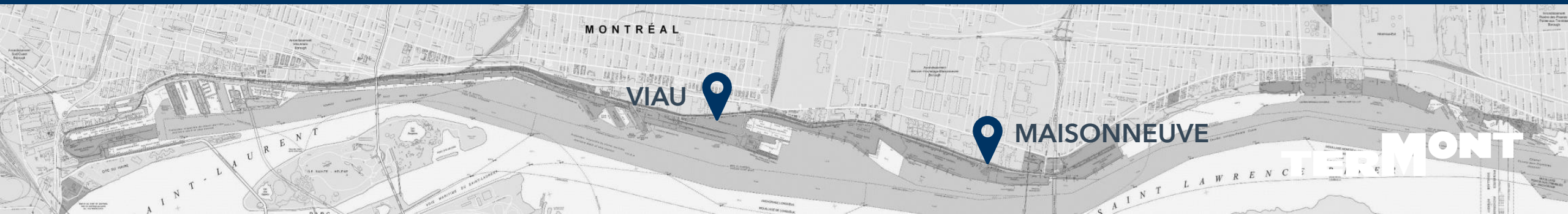
Manage your peaks with Dual Crane operations



Load containers directly from the vessel to the rail using RTLS System and RAIL OCR



Optimize import deliveries through a tailored VBS system



# DUAL CRANE

Dual Crane Operation with Shared Truck Pool  
(Load → Discharge)

- **Crane A** loads export containers onto the vessel.
- **Same truck** then moves to **Crane B** to receive an import container.
- Truck delivers the import to the yard.

## ✓ Key Benefits

- Doubles truck productivity (round-trip usage)
- Reduces idle time and truck fleet size
- Control **PEAKS** and increase your throughput

## ⚠ Key Considerations

- Requires precise crane coordination and planning
- TOS must manage dynamic truck routing
- Risk of crane B idling if crane A delays



# DIRECT VESSEL-TO-RAIL LOADING

Using RTLS System & RAIL OCR

- Containers are moved directly from vessel to railcars
- RTLS tracks real-time container and equipment location
- Spreader OCR automates containers identification
- AEI Tag reader automates railcars identification

## ✓ Key Benefits

- Eliminates yard rehandling
- Reduces dwell time and speeds up intermodal transfer
- Minimizes time loss from manual railcar identification
- Enables early job dispatch to RMG cranes once container is discharged

## ⚠ Key Considerations

- Requires a good integration between RTLS,OCR and TOS
- Precise containers sequencing
- Railcar and OCR accuracy



# VEHICULE BOOKING SYSTEM

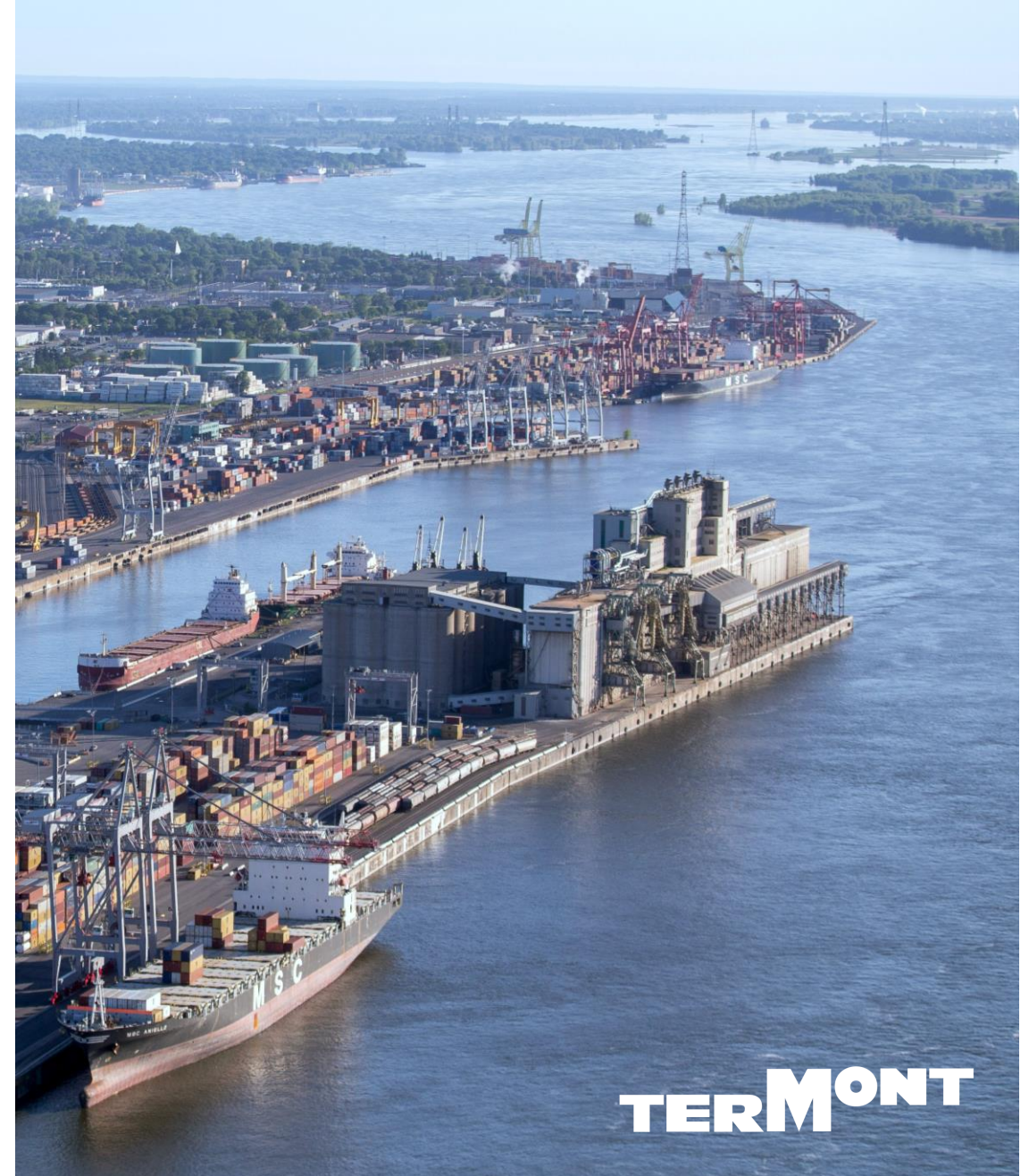
- A Vehicle Booking System (VBS) is a digital platform that requires truckers to reserve time slots
- It helps terminals manage the flow of trucks

## ✓ Key Benefits

- Higher Throughput  
Enables consistent flow, increasing container moves per hour.
- Appointment Limits by Yard Block  
Restrict bookings to specific yard blocks based on vessel operations and yard strategy.
- Fewer Non-Productive Moves  
Minimizes rehandling and yard inefficiencies.

## ⚠ Key Considerations

- System Integration  
Must connect seamlessly with TOS and GOS
- User Adoption  
Requires buy-in from carriers, truckers, and dispatchers.



**TERMONT**

THANK YOU

**TERMONT**

