HATECO HHIT

HATECO Haiphong

International Container Terminal

WELCOME TO HHIT

BERTH NO. 5 & 6 LACH HUYEN

TERMINAL INTRODUCTION

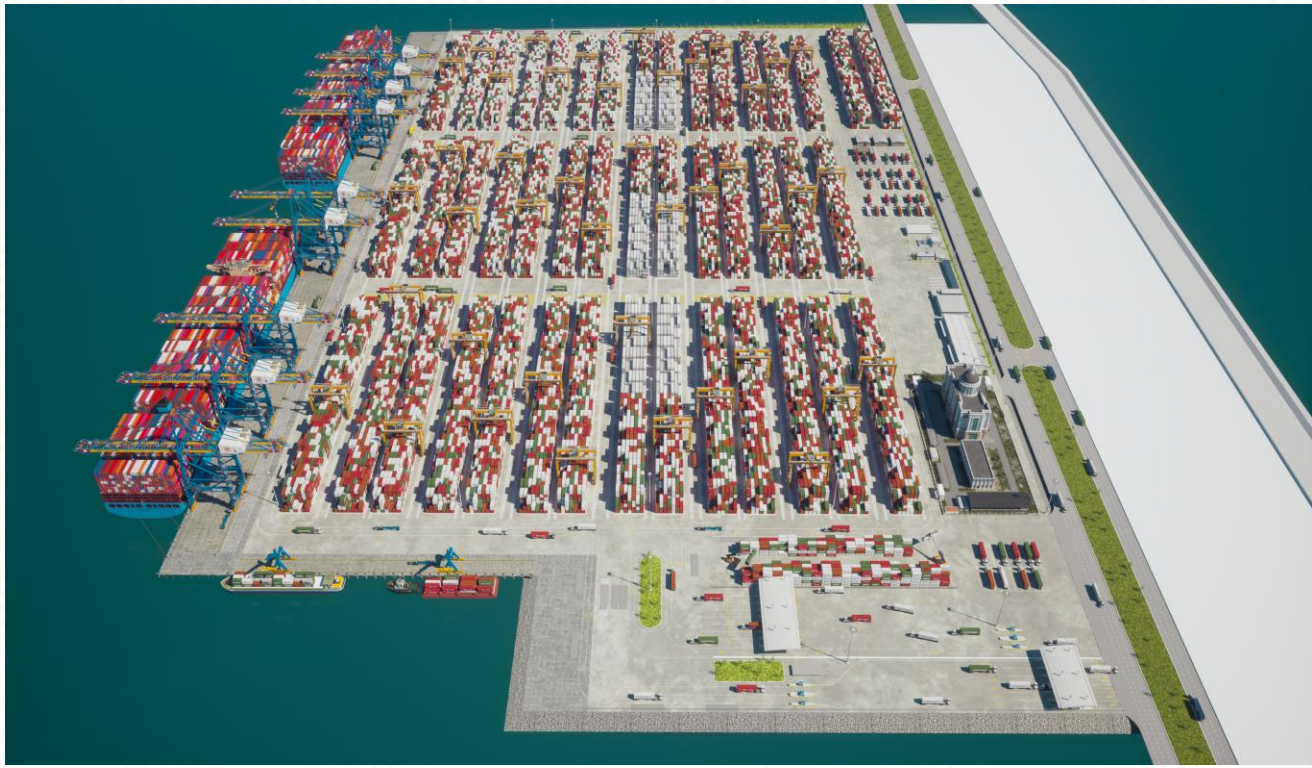
Sep 2024

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1. General Information

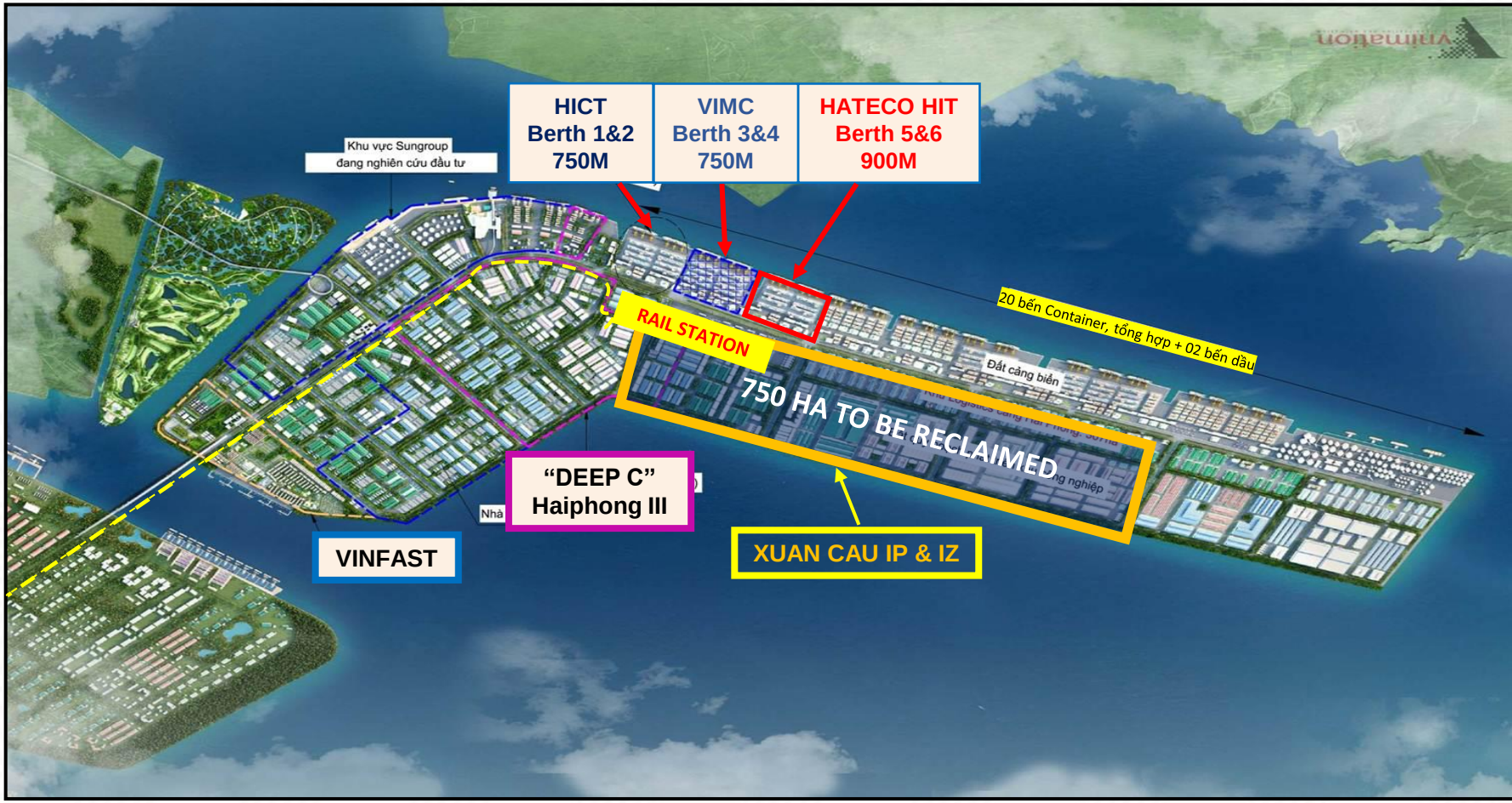
- **Company name:** Hateco Haiphong International Container Terminal
- **Short name:** Hateco HIT (HHIT)
- **Established:** 2022
- **Total investment:** USD 450 million
- **DIA No.** 299 & No. 186
- **Project Term:** 70 years
- **Scope of business:** Seaport
- **Address:** Berths #5 & 6 Lach Huyen deep-sea port, Haiphong, Vietnam.



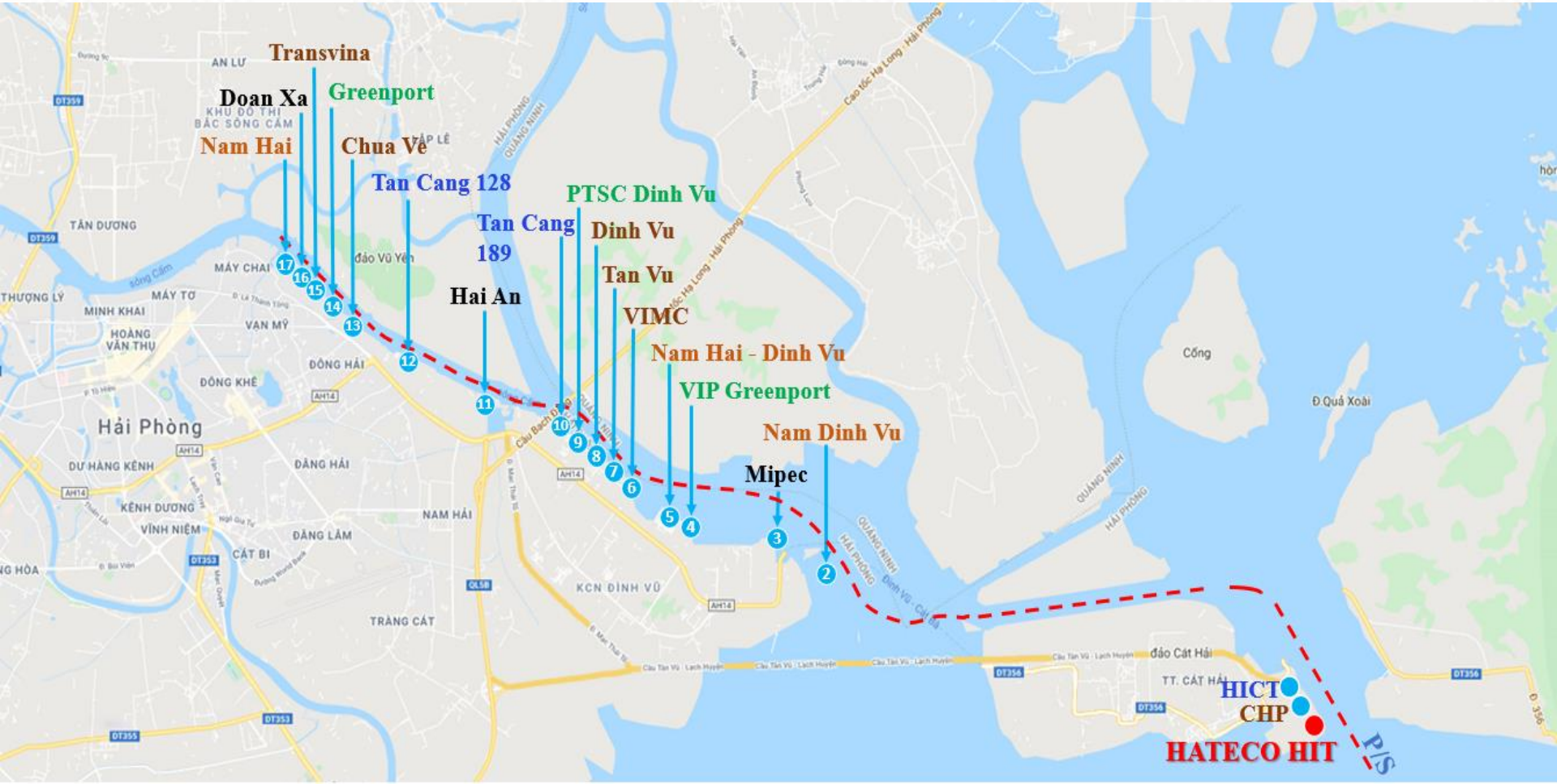
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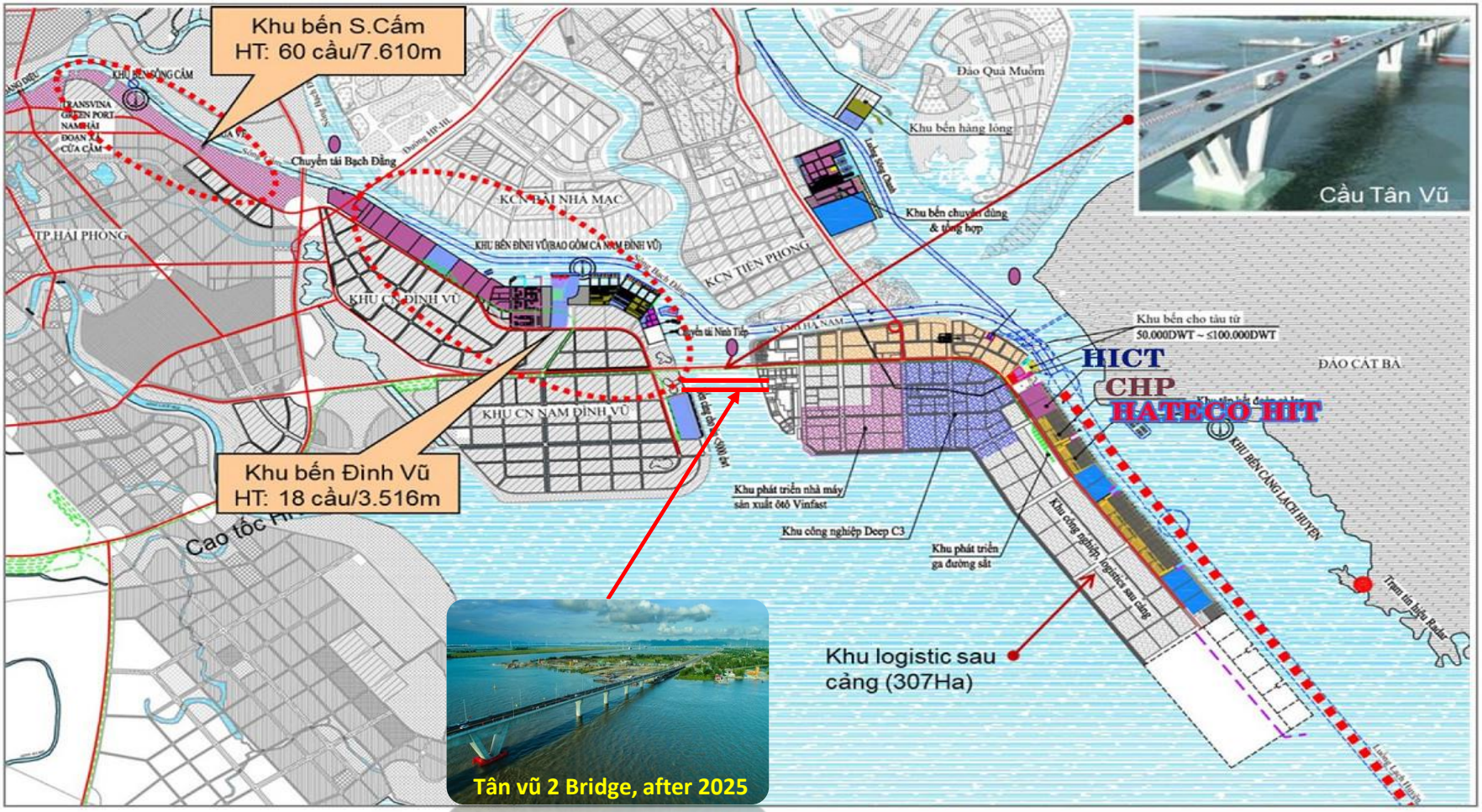
2. Terminal Location & Master Plan



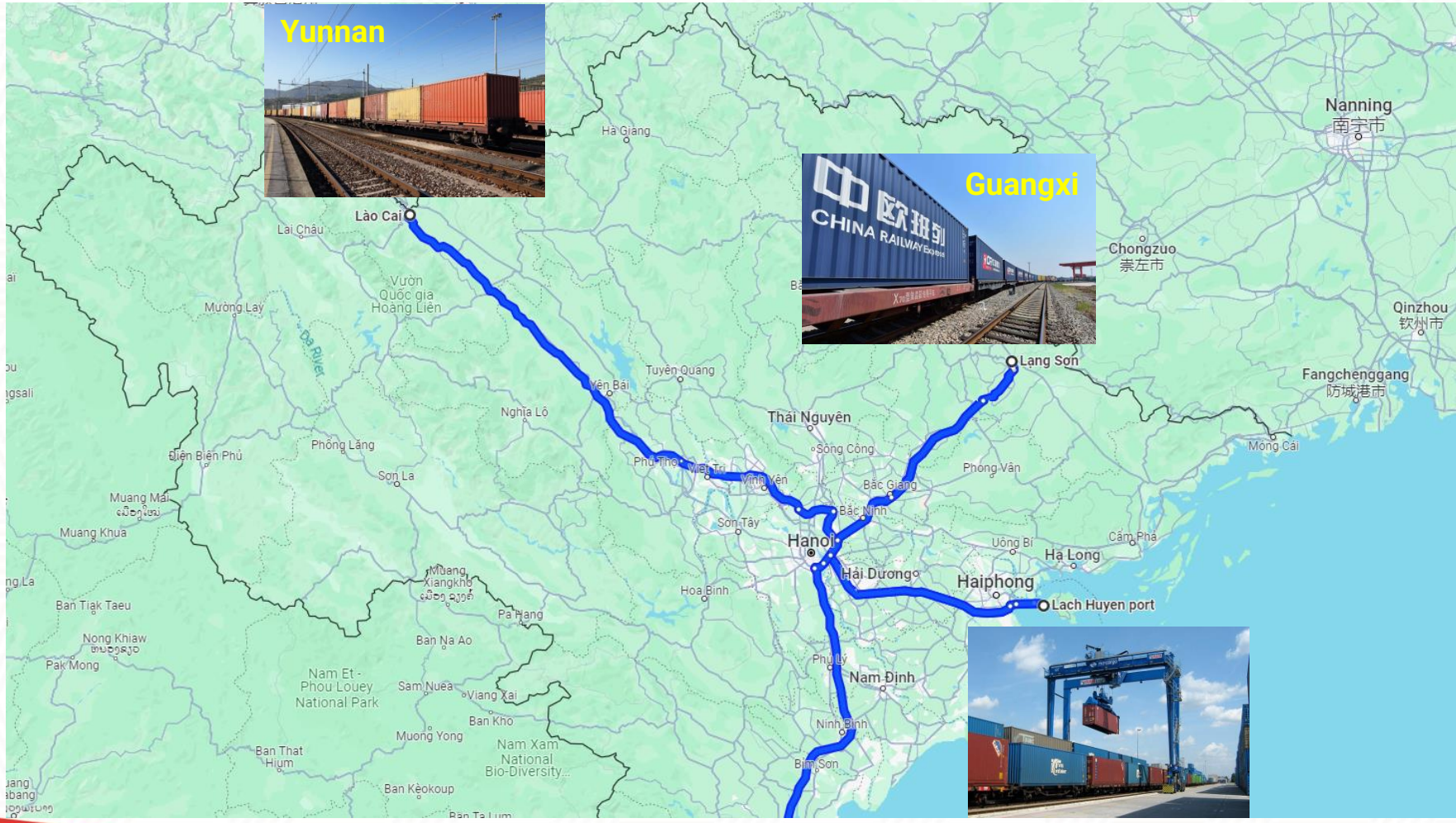
3. Terminal System & Channel



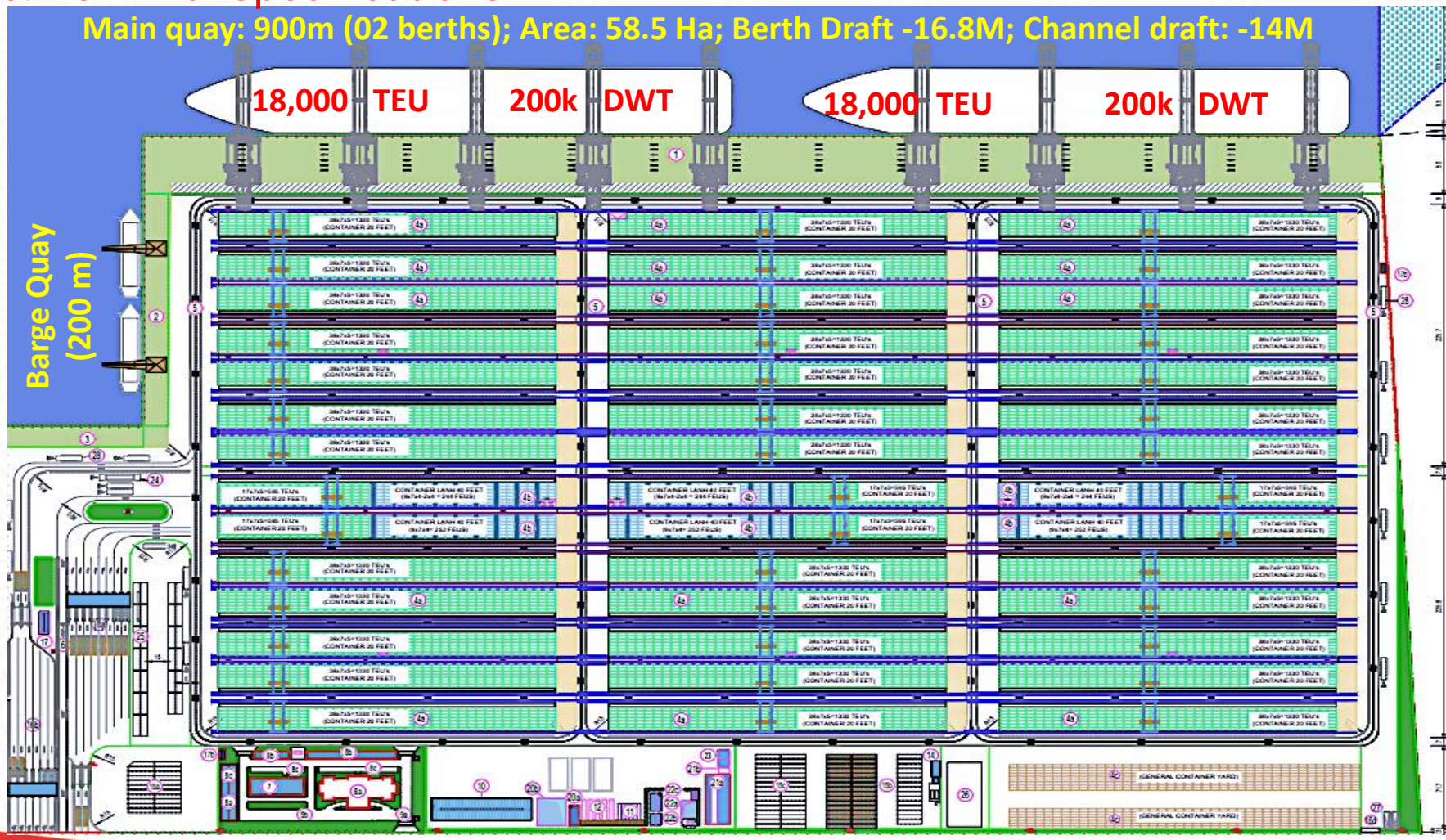
4. Terminal Connections: Road, Hinterland



5. National Railway Connection: Lach Huyen Master Plan



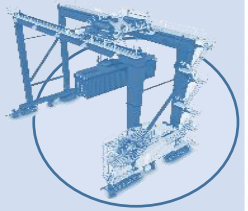
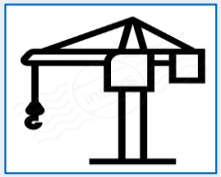
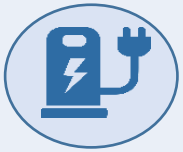
6. Terminal Specifications



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7. Port Equipment

Equipment & Facilities	
09 units of STS - Outreach 23 rows + - Crane OCR 	At least **28** units of e-RTG (7 rows + 1 truck lane) 
02 Barge Cranes **01** Mobile crane 50T 	**02** Reach Stacker **02** Empty Container Handler 
45 Trucks & trailers 	**04** Forklifts 
Auto-gate: **08** Lane in **06** Lane out **04** OCR Portals 	**1,350** reefer plugs  **05** weight bridges (120T)

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CONSTRUCTION PROGRESS

INVESTMENT PROJECT TO CONSTRUCT BERTH NO. 5, NO. 6 LACH HUYEN

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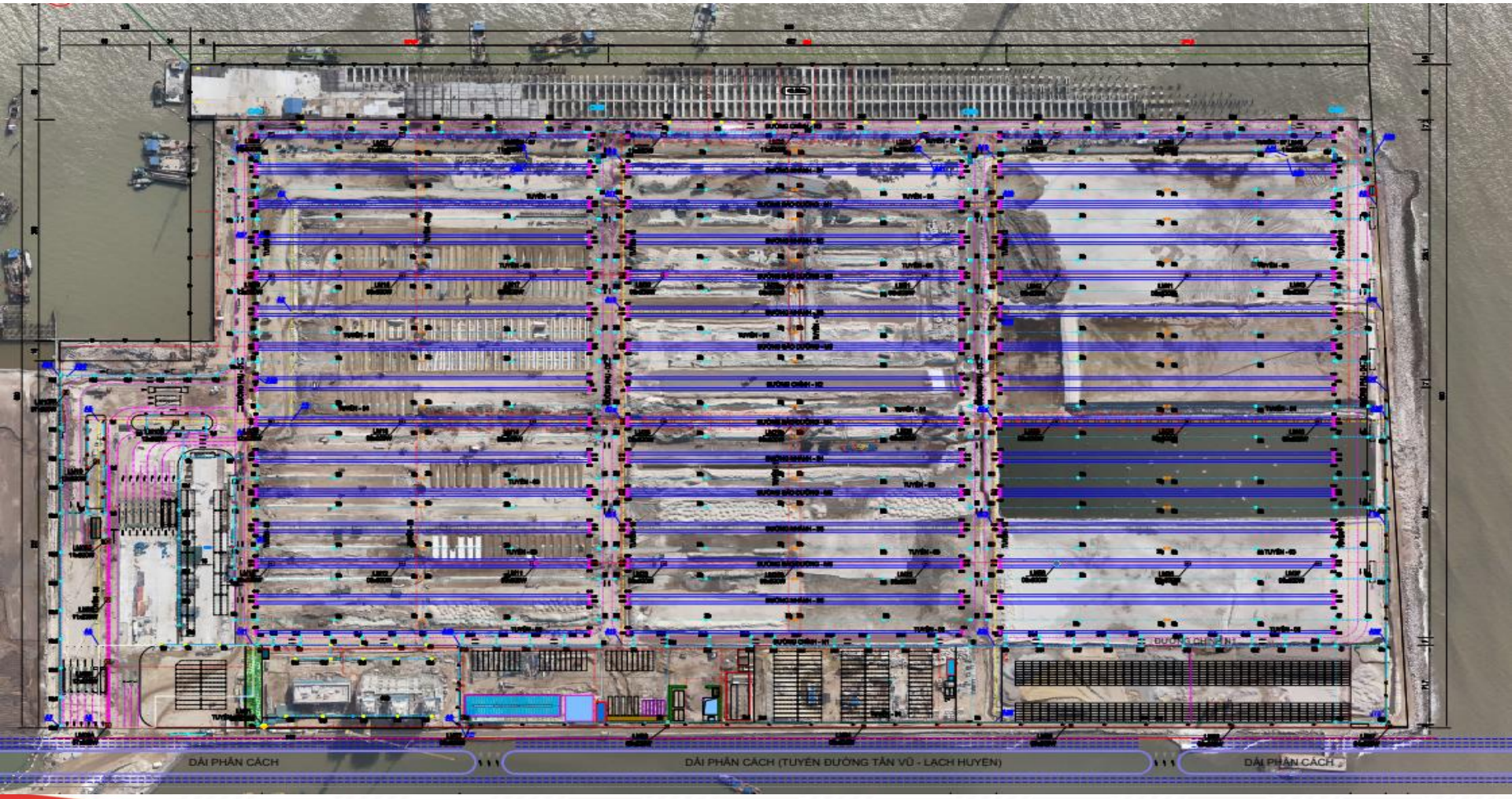
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CONSTRUCTION PROGRESS



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CONSTRUCTION PROGRESS



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CONSTRUCTION PROGRESS

❖ **Access Road: completed; upgrade to operational road in Oct 2024**



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CONSTRUCTION PROGRESS

❖ **Office Buildings: complete in Oct 2024**

❖ **Access Road**



HATECO Haiphong International Container Terminal

CONSTRUCTION PROGRESS

❖ **Gate Infrastructure: complete in Sep 2024**



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CONSTRUCTION PROGRESS

❖ **Container Yard: complete in Dec 2024**



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CONSTRUCTION PROGRESS

- **Quay Wall: Complete first 450m in Oct 2024**



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CONSTRUCTION PROGRESS

❖ **Quay Wall: Complete 900m in Dec 2024**



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❖ **900m Quay Wall + Yard A&B: complete in Dec 2024**



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EQUIPMENT, IT & AUTOMATION, HR & TRAINING PROGRESS

INVESTMENT PROJECT TO CONSTRUCT BERTH NO. 5, NO. 6 LACH HUYEN

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EQUIPMENT PROGRESS

5 units of STS cranes (outreach 24 rows): Delivery to HHIT in Oct 2024





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EQUIPMENT PROGRESS

14 units of e-RTG cranes: Delivery to HHIT in Oct 2024

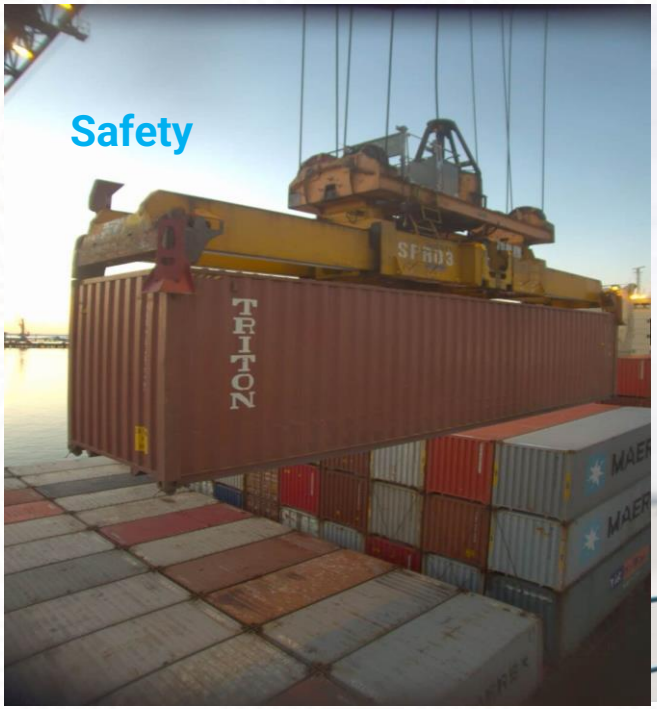




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STS CRANE OCR SYSTEM: Complete in Dec 2024







<u>First deployed in Vietnam:</u> High productivity of vessel load & discharge

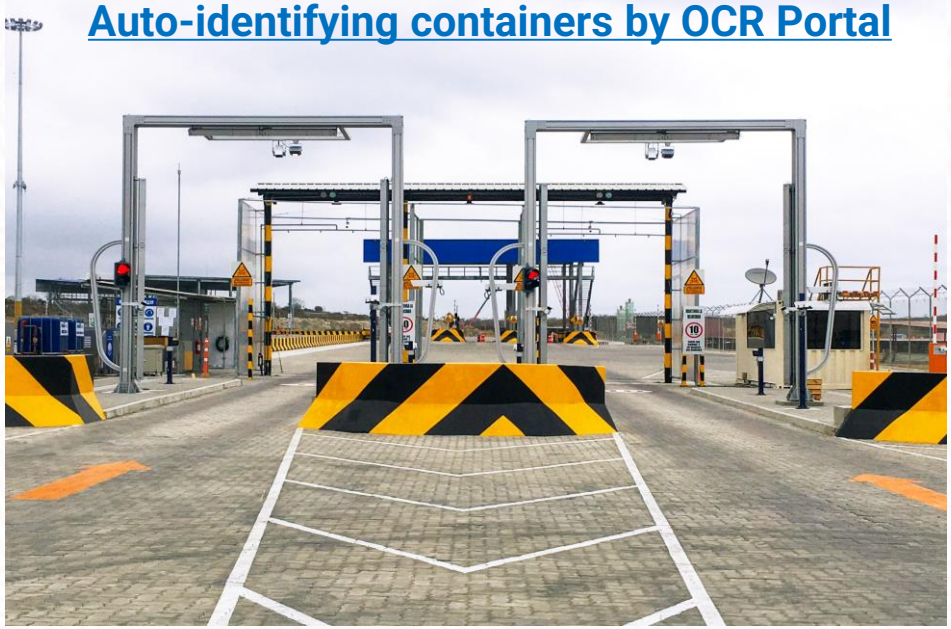
- ✓ Automatic identification of containers by OCR cameras
- ✓ Automatic capture of container images for condition recording with ADI
- ✓ Accurate container data

HATECO Haiphong International Container Terminal

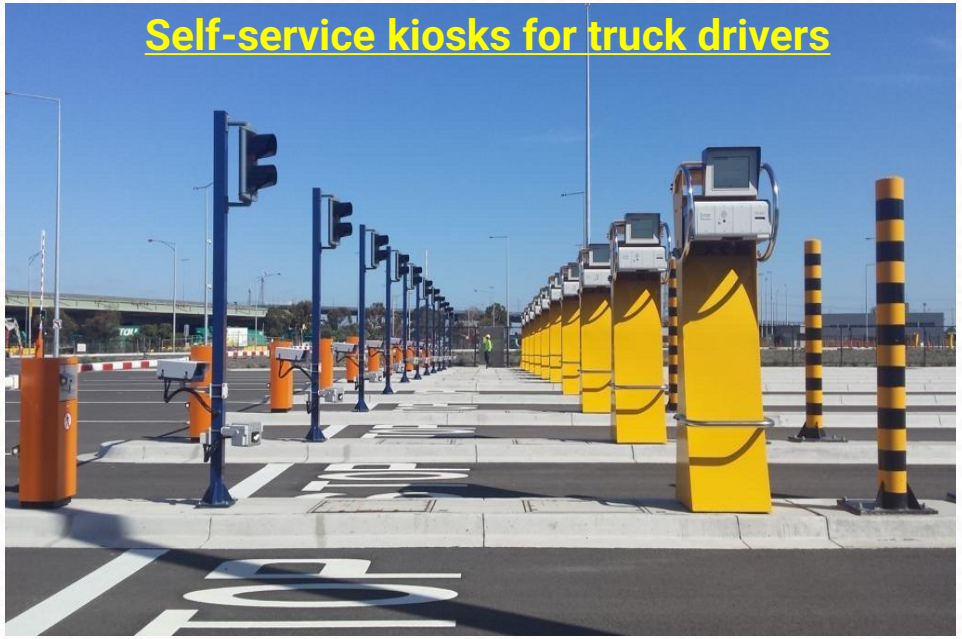
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AUTO-GATE SYSTEM: Complete in Dec 2024

Auto-identifying containers by OCR Portal



Self-service kiosks for truck drivers



First deployed in Vietnam: Safety & Efficiency

- ✓ Automatic capture of container images for condition recording with ADI
- ✓ Automatic identification of trucks by LPR & RFID technology
- ✓ Accurate container & truck data; Minimal truck turnaround time

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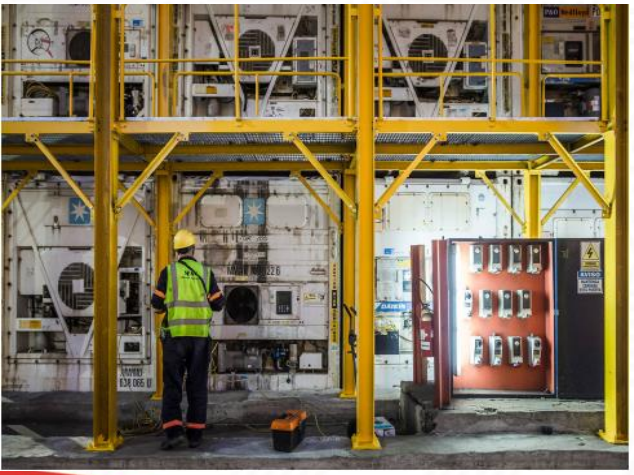
IT & AUTOMATION: Complete in Dec 2024



Truck Appointment System

Enterprise Resource Planning





Automatic Reefer Monitoring

Equipment Digitization - Visualized platform



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TERMINAL OPERATING SYSTEM

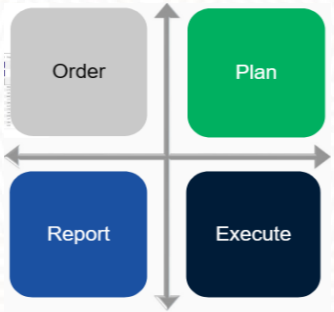
HHIT implements world-class advanced TOS to digitize and optimize terminal operation and management

Automate yard planning

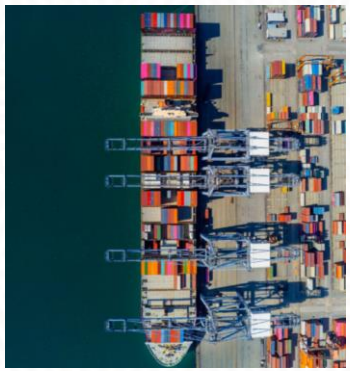


Automate vessel planning





Berth Window Management



Advanced EDI reports



Smart Quay Commander

Complete integration & testing in Jan 2025

Go-Live: Feb 2025



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HR RECRUITMENT & TRAINING PROGRESS

Complete in Dec 2024

Training Matrix		Category	General				
Department / Area	Job Title	Name of Course	HHIT intro Presentation	Orientation traning	Safety	HHIT Operating System	MindGym
			General	General			PD
TECH&ASSET	Infrastrcuture Engineer	1	1	1	1	1	
TECH&ASSET	Reefer Electrician	4	1	1	1	1	
TECH&ASSET	Equipment Mechanic /Maintenance	6	1	1	1	1	
TECH&ASSET	Welder	2	1	1	1	1	
TECH&ASSET	Container Repair Worker	5	1	1	1	1	
TECH&ASSET	Material stock keeper/fuel staff	3	1	1	1	1	
COMMERCIAL	Commercial Manager	1	1	1		1	1
COMMERCIAL	Commercial Vice-Manager	1	1	1		1	
COMMERCIAL	Customer service supervisor	3	1	1		1	
COMMERCIAL	Customer service staff	6	1	1		1	
COMMERCIAL	Pricing & Contract Staff	1	1	1		1	
COMMERCIAL	Port Marketing Staff	1	1	1		1	
COMMERCIAL	Secretary & Translation Staff	1	1	1			
IT	IT Manager		1	1	1	1	1
IT	TOS Lead		1	1	1	1	
IT	Software and Application Lead		1	1	1	1	
IT	IT infrastrcuture Lead		1	1	1	1	

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COMMERCIAL OPERATION DATE: 1ST WEEK OF FEBRUARY 2025

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What benefits HHIT can provide our Customers

- **Quay Length (900m):**
- Longest berth length in Lach Huyen with 2 berth (450m/ berth)
- The only terminal in LH can simultaneously accommodate 2 vessels of up to 200,000 DWT (=>18,000 TEU), Max LOA 400m
- **Berth Window (BW) Availability:**
- BW selection priority for shipping carriers depending on BW availability
- **Vessel Operation:**
- Convenient vessel navigation thanks to turning basin in front of Berth 5&6
- Berth draft: -16.8m/ -18.4m to be maintained as HHIT service commitment
- High discharge & load productivity thanks to state-of-the-art STS cranes with advanced OCR technology
- Short vessel port stay thanks to efficient vessel planning by the advanced TOS software
- Accurate data of containers to be interchanged with shipping lines

HATECO Haiphong International Container Terminal

HATECO HHIT

What benefits HHIT can provide our Customers

➢ **Yard Facility:**

- Largest yard area in LH (60 Ha) with efficient yard planning by the advanced TOS software
- Fast operation thanks to cutting-edge e-RTG cranes and equipment digitization software
- Auto reefer monitoring, on-dock container M&R, on-dock Customs scanning, 5G network coverage, Security CCTV 24/7…

➢ **Gate Operation:**

- Fully automated gate system facilitates safety and smooth truck flows through gate
- Latest technology (OCR, LPR, RFDI, …) creates accurate data of containers and trucks
- Truck Appointment System (TAS) ensures no traffic jam at gate.
- Truck turnaround time < 15 minutes

➢ **Customer Service:**

- Auto-timely reports to shipping lines
- On-site customs support 24/7
- Fast digital transactions thanks to smart port applications



Thank you!

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