



Australian Embassy  
Vietnam



50<sup>th</sup> ANNIVERSARY  
AUSTRALIA VIETNAM



BỘ LAO ĐỘNG - THƯƠNG BINH VÀ XÃ HỘI  
TỔNG CỤC GIÁO DỤC NGHỀ NGHIỆP  
DIRECTORATE OF VOCATIONAL EDUCATION AND TRAINING

# DEVELOPING LOGISTICS TRAINING PROGRAMS IN THE CONTEXT OF DIGITAL TRANSFORMATION AT HO CHI MINH COLLEGE OF TRANSPORTATION

PHAN HUY DUC – HO CHI MINH COLLEGE OF TRANSPORTATION

Hanoi, October 24, 2023



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Leading Industry and VET Regulator



## CONTEXT

- ❑ According to VLA, the growth of Vietnam's logistics sector has been at 14% - 16% in recent years.
- ❑ According to a McKinsey study, digital transformation would previously take about 5 years to be applied to business and consumers. However, under the impact of the pandemic, this process has been shortened to just 8 weeks.



# CONTEXT



TCT TÂN CẢNG SÀI GÒN



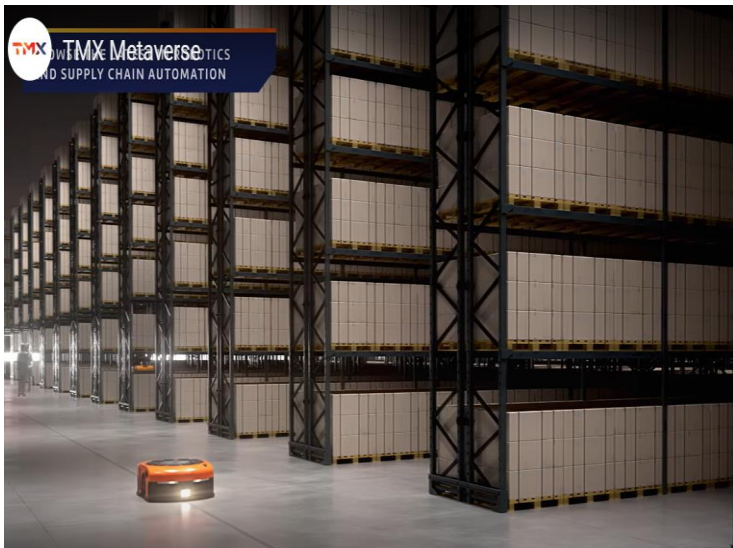
🤖 Chatbot Pi là Trợ lý ảo được xây dựng trên công nghệ AI giúp trả lời tự động câu hỏi từ khách hàng của TCT Tân Cảng Sài Gòn. Pi được phát triển và quản lý bởi đội ngũ TTCSKH.



Pi vẫn đang trong quá trình học hỏi nên Anh Phan Huy Đức đừng làm khó Pi với những câu hỏi quá phức tạp 😊  
Hãy đặt những câu hỏi cho Pi thật ngắn gọn, dễ hiểu về:



- ❑ Logistics businesses are at the forefront in digital transformation;
- ❑ Challenges to institutions: Staying current with industry development; digital transformation in management and training



MAERSK

Prices Book Tracking Schedules Logistics solutions

## Shipment & Container Tracking

Select your booking type from **Ocean**, **Air** or **Less-than-container-load (LCL)** and enter your tracking number.

Ocean cargo

B/L or container number

Track

Container number is made of 4 letters and 7 digits.

Bill of Lading number consists of 9 characters.

What is a shipment or container number?



What information will you get from shipment and container tracking?



# CONTEXT



- ❑ Decision No. 2222/QD-TTg by the Prime Minister: Approving the digital transformation program in vocational education and training to 2025, with a vision to 2030;
- ❑ Decision No. 601/QD-LDTBXH dated July 5, 2022 by MOLISA on its plan to implement Decision No. 2222/QD-TTg;
- ❑ Decision No. 2550/QD-UBND dated June 22, 2023 by HCMC People's Committee issuing a plan to implement the digital transformation program in vocational education and training in HCM city to 2025, with a vision to 2030



# OUTLINE



1. Logistics training program development process
2. Digital transformation in logistics training
3. Challenges in digital transformation in logistics training

# 1. Logistics training program development process



No	MODULE	DURATION (hour)
1	International Freight and Trade Management	21
2	Logistics Operation	18
3	Warehouse management	18
4	ICT in Freight Forwarding	12
5	Sea Transport	21
6	Marine Containers	18
7	Inland Waterway Transport	6
8	Multimodal Transport	18
9	Air Transport	21
10	Road & Rail Transport	18
11	Dangerous Goods	18
12	Insurance	12
13	Customs	33
14	Safety & Security	6

*(Source: vli.edu.vn)*

- ❑ In 2017, HCMC College of Transportation developed a college-level logistics training program;
- ❑ In 2018, it was licensed to enroll students in its logistics training;

# 1. Logistics training program development process



## **Partnership with VLI: Since June 2019**

- ☐ Revising and updating the program - 4 main pillars in the training program: Freight forwarding, Warehousing, Road Transport and Inland waterway transport;
- ☐ Lecturers are trained in accordance with FIATA program: 13/16 lecturers are FIATA diploma certified.
- ☐ Curricula development progress: 94%





# 1. Logistics training program development process

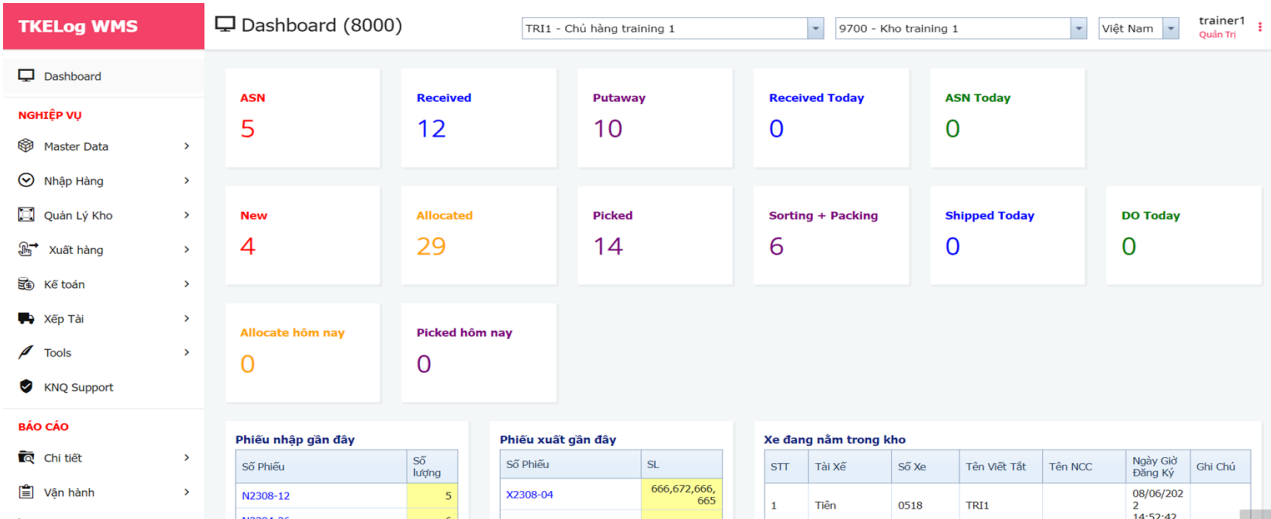
## Industry engagement in training

- ❑ Specialised research units: VLI, DRD
- ❑ Supply chain solution providers: SmartLog (2020), AFR Solutions (2021), TKS (2023);
- ❑ Communication and support service providers: Vietnam Shipping Gazette
- ❑ Logistics organisations: Will Logistics, Hong Nam Single-member Limited Liability Company, AOA, VTA Logistics





## 2. Digital transformation in logistics training

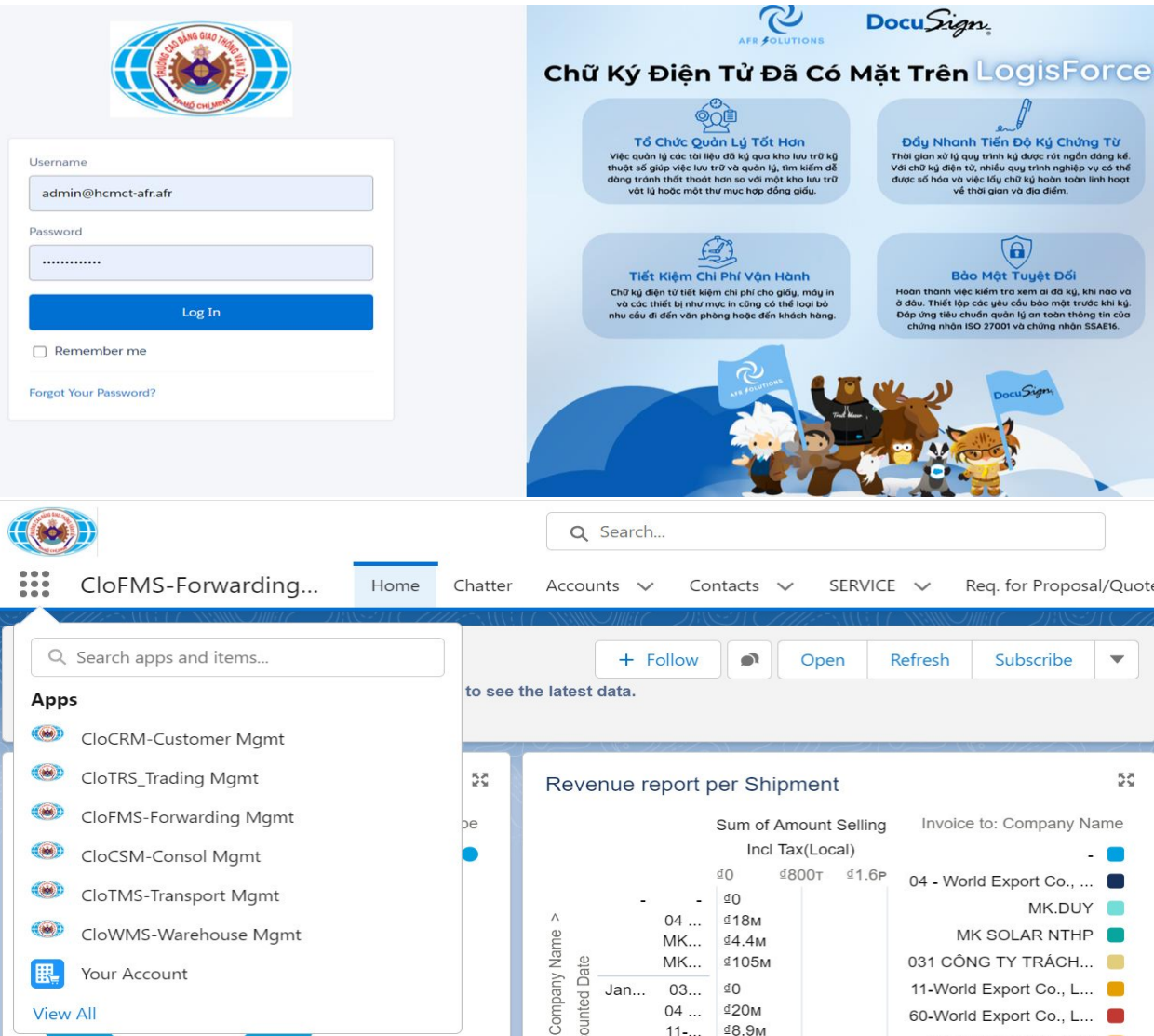


Application of TKELog WMS for practical training in warehouse modules:

- ☐ Simulated warehouses;
- ☐ Master data development;
- ☐ Business processes: Layout setting, Receiving, Putaway, Pick pack, stock take, Dispatching stock;
- ☐ Paperless;
- ☐ CBTA adoption



## 2. Digital transformation in logistics training



AFR Solution application developed on the Salesforce platform for modules on logistics processes:

- ❑ 6 component modules: CRM, TRS, FMS, WMS, TMS and CSM
- ❑ Master data development;
- ❑ Role play practice;
- ❑ Paperless;
- ❑ CBTA adoption

# CBTA adoption in logistics training

- ❑ 05 lecturers enrolled in CBTA courses organised by Aus4skills: CBTA2, CBTA3, CBTA4 and CBTA5;
- ❑ Roll-out of the CBTA Pilot Project for “Pick and Process Order” module (IntroLog2022) together with MC1 and InterLog;
- ❑ Official application for the “Warehouse operations internship” module from October 2022 - March 2023;





# CBTA adoption in logistics training



Application of the “Warehousing operations” module with 6 units of competency:

(1). Compliance with warehouse regulations and procedures;

(2). Warehouse layout setting;

(3). ASN process;

(4). Item receipt and storage;

(5). Order picking and handling

(6). Product inventory

### 3. Challenges in digital transformation in logistics training

- (1). Digital infrastructure;
- (2). Resources to develop digital platforms and learning materials;
- (3). Digital literacy of staff and lecturers;
- (4). Digital inequality.



*Refer to the Guide on Digital Transformation in Vocational Education and Training - DVET - IMO*





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# Thank You!

Hanoi, October 24, 2023



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Linking Industry and VET together



RMIT  
UNIVERSITY