Technology Solutions in Logistics and Transport

JANYA CHANCHAICHUJIT

LOGISTICS AND BUSINESS ANALYTICS CENTER OF EXCELLENCE WALAILAK UNIVERSITY

The Supply Chain & Logistics Technology Market Map

Digital Freight Shipping



Sensors & Asset Tagging



Inventory Management



Blockchain



Food Supply Chain



Supply Chain & Logistics Analytics



Trucking Marketplace & Fleet Management



Warehousing



Enterprise Resource Planning



E-Commerce Logistics



Autonomous Trucking

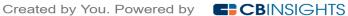


Last Mile AV & Drones



Last-Mile Delivery Services





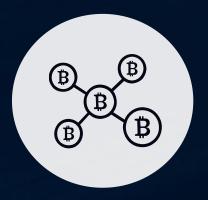


5 Technologies To watch for Logistics & Transportation











Trucking marketplace & Fleet management

Digital freight shipping

Supply chain & Logistics analytics

Blockchain

Autonomous trucking

Cost saving to shippers, more vehicle utilization to carriers under platform-based pricing model

Quick freight quote, ease of access and swifty book on the move

Big data analytics, Optimization, Predictive Analytics, Machine Learning, Al Secure data distribution that improve shipment visibility and bring trust into the movement of international freight Reduce accidents, decrease traffic jam, Labour cost

Trucking Marketplace & Fleet Management









































- > Technopreneurs/ Startups
- >2015-2019 (5-7 years or less)
- >USA, Germany, France, Japan, China, India

How these companies disrupted Logistics and Transportation sector?



CASE STUDY: BLACKBUCK



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India – Logistics landscape

- Logistics cost : 14%
- Road condition: Poor
- Driving condition: Non reliable
- Logistics and Transportation industry 70% corporate: 30% SME

How BLACKBUCK turn India Logistics and transportation industry?

- 3 years cover 300,000 trucks in system,
 expected to grow to 1,000,000 trucks by 2021
- 15,000 logistics companies registered to platform
- Truck drive average 5,000 km/month → 7,000 km → 9,000 km / month
- Bring down logistics cost to 10-12%

WHAT ABOUT THAILAND?

- Logistics costs approximately 13-14%
- Road Freight approximately 80%
- +20,000 logistics and transport company
- Number Corporate 20% : SME 80%
- Business Volume Corporate 80% : SME 20%



WHAT?



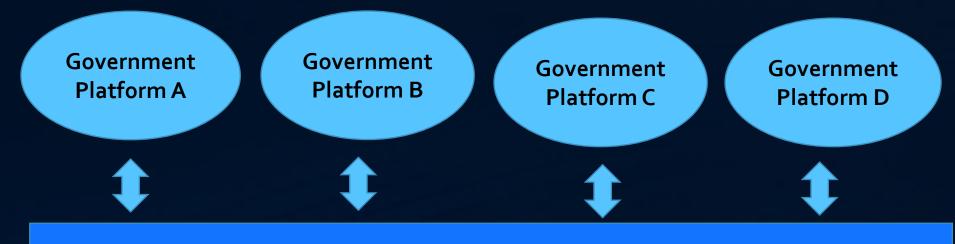
Truck Sharing Platform in Thailand

- Corporate owned truck platform
- Limitation on market scale and resources
- Focus on on-plan delivery , rather than ondemand delivery
- Lacking the opportunity of data sharing from each platform
- Lacking the opportunity of resource sharing from each platform (High level of collaboration)

HOW?

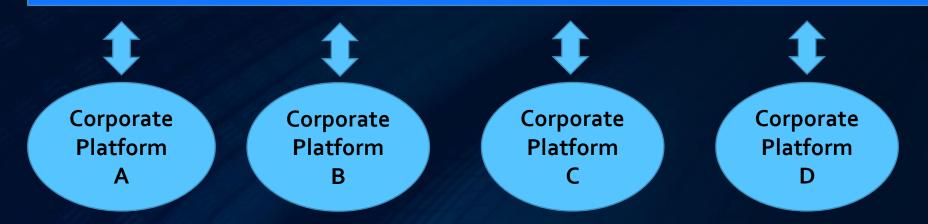


National Logistics Transportation Solution Platform

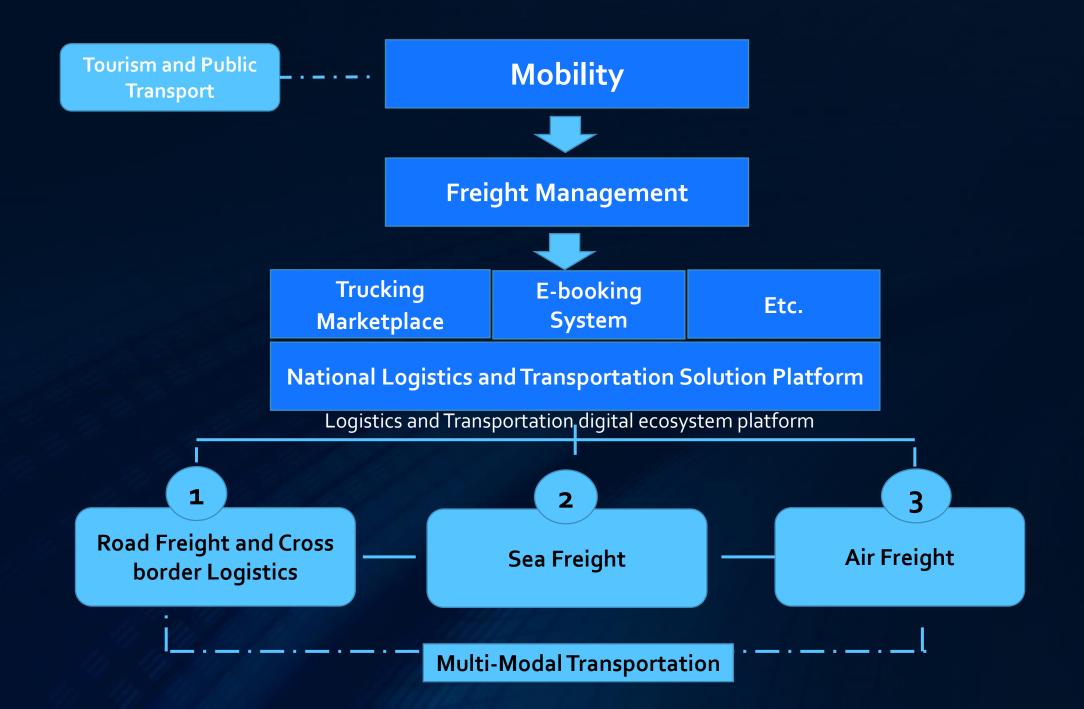


National Logistics and Transportation Solution Platform

IT infrastructure+ Research + Redesign + Maintenance



Logistics and Transportation digital ecosystem platform



TODAY

TOMORROW

Manual data across supply chain



Real-time connectivity

Manual collaboration, Closed-internal innovation



Digitize collaborative,
3PL collaborative economy

Linear industrial value chain



Connected digital ecosystem platform

Own resources/ assets



Shared assets

COST as a competitive advantage



DATA as a competitive advantage (Data analytics, Optimization, Predictive)



THANK YOU

Logistics and Business Analytics Center of Excellence