



18th Intermodal Africa

ABIDJAN, NOVEMBER 22-23 , 2017



GPHA TOWERS

IMPROVING PORT EFFICIENCY FOR TRADE COMPETIVENESS - GHANA'S EXAMPLE

SAMUEL NTOW-KUMMI

AG G.M - BUSINESS DEVELOPMENT



CONTENTS

- INTRODUCTION
- FACTORS SHAPING PORT COMPETITIVENESS
- GHANA PORT VISION 2025
- PORT OF TEMA EXPANSION
- PORT OF TAKORADI EXPANSION
- PROJECT OUTCOMES AND IMPACTS
- CONCLUSION

INTRODUCTION

- Ghana has two seaports – Takoradi and Tema.
- The Port of Takoradi was commissioned in 1928 by the colonial government.
- The Port of Takoradi is located 280 km West of Accra on **Lat. 4°53' N; Long 1°45' W.**
- The Port of Tema was commissioned in 1962.
- The Port Tema is located 30 km East of Accra on **Lat. 5°38'N; Long. 0°01'E.**



FACTORS SHAPING PORT COMPETITIVENESS



FACTORS SHAPING PORT COMPETITIVENESS

Competition within and between Ports is growing:

- Increasing Size of Vessels.
- Rationalisation of Port Calls by Shipping Lines – Hub & Spoke.
- Concentration and growing strength of Shipping Lines.
- Vertical Integration Strategy of Shipping Lines.



FACTORS SHAPING PORT COMPETITIVENESS

- Expanding role of the Private Sector in the management and operation of ports.
- Expansionary Strategy and Growing Influence of International Terminal Operators.
- International Freight Forwarders.





GHANA PORTS VISION 2025

Ghana Ports Vision 2025

- Launched on 2000 as part of the Ghana Trade and Investment Gateway (GHATIG) Project.
- A Grand Strategy of GPHA to Position the Ports of Ghana as **The Leading Trade and Logistics Hub of West Africa.**
- Expansion and modernisation of Tema and Takoradi into world-class ports to **facilitate trade and regional integration.**
- Port of Tema is being positioned as the **Leading Container Hub of West Africa – THE ECOWAS CONTAINER PORT.**
- Port of Takoradi being developed into a Modern Port and **The Dominant Oil and Gas Services Hub.**

Ghana Ports Vision 2025 - Goals

- **To position Ghana as the Trade and Investment Gateway of West Africa.**
- **To improve port performance and productivity – World Class Ports.**
- **To reduce the cost of doing business in the ports**
- **To transform the Ports into Trade Facilitators.**

Ghana Ports Vision 2025 - Strategies

A two Pronged Strategy to Achieve the Strategic Goals:

- **Infrastructural Development**
- **Modenisation of Port Equipment**
- **Institutional and Organisational Reforms**
- **Investment in IT to Improve Business Processes and Operations**



Infrastructure Development

- Development of Specialised Terminals – Container, Oil and Gas, Dry Bulk, Fruits, Conventional Cargo.
- Development of Inland Clearance Depots (ICDs).
- Improve Port Approach Roads and Port Hinterland Connectivity.
- Investment in IT [e-Port] – ERP, TOS, VTMS, e-Gate, CCTV, e-Commerce.



Institutional and Organisational Reforms

- Transformation of GPHA into a **Hybrid Port**.
- Downsizing of GPHA Headquarters and Grant Greater Autonomy to the Ports.
- Rationalisation of Port Labour.
- Expansion of the role of the Private Sector in the Management and Operation of the Ports.
- Training and Human Resource Development.
- Diversification of GPHA's business portfolio.
- Acquisition of shares in port concessions.



Institutional and Organisational Reforms

- Improving Performance Management across GPHA.
- Adoption of an Integrated Management System – ISO 9001: 2015; ISO 14001:2015; OHSAS 28001:2007.
- Strengthening Port Marketing and Community Engagement
- Strengthening Strategic Management and Environmental Management
- Establishment of new Department for Monitoring of Concessionaires and Licencees

INFRASTRUCTURE PROJECTS



Port of Tema Expansion

Port of Tema Expansion

- Construction of 4 km of Breakwater
- Dredging Access Channel to -17m and alongside Berths to -16m.
- Reclamation and Development of Container Terminal II
- Development of Dry Bulk Terminal
- Development of LNG Terminal
- Improvement and Expansion of Port Approach Roads
- Improving Port Hinterland Connection
- Development of Additional ICDs - Tema Export Processing Zone and Kpone Industrial Area
- Investment in Cargo Handling Equipment and Floating Craft
- **Estimated Costs – US\$1.8Bn**

Port of Tema Expansion

TERMINAL 3: Capacity 3.5m TEUs

**A total of 1400 Meters of Quay
for Container Terminal**



Port of Tema Expansion Project

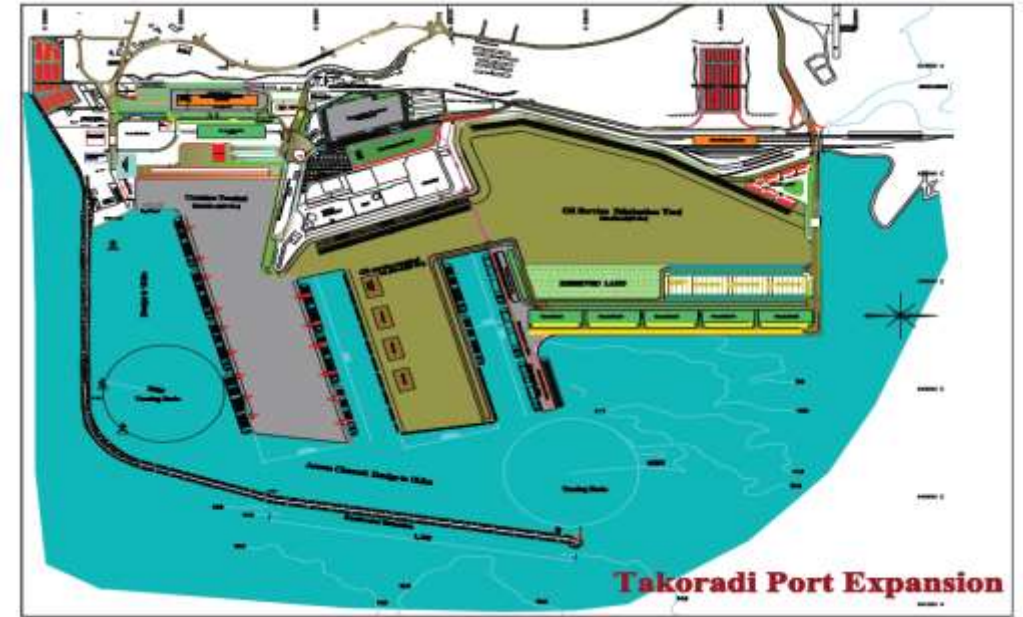


Breakwater construction and reclamation underway

PORT OF TAKORADI EXPANSION

Port of Takoradi Expansion

- **Extension of Breakwater by 1.1 km**
- **Dredging (16m+) and Reclamation works**
- **Construction of Dry Bulk Jetty – 800m; -16 m Draft**
- **Construction of Integrated Container & Multi-purpose Terminal**
- **Development of Oil and Gas Services Hub**
- **Development Off-Dock Container Terminal (ICD)**
- **Improvement and Expansion of Port Internal and Approach Roads**
- **Estimated Cost = US\$1.0 Bn**



DEVELOPMENT OF TAKORADI INTO A DOMINANT OIL & GAS SERVICES HUB



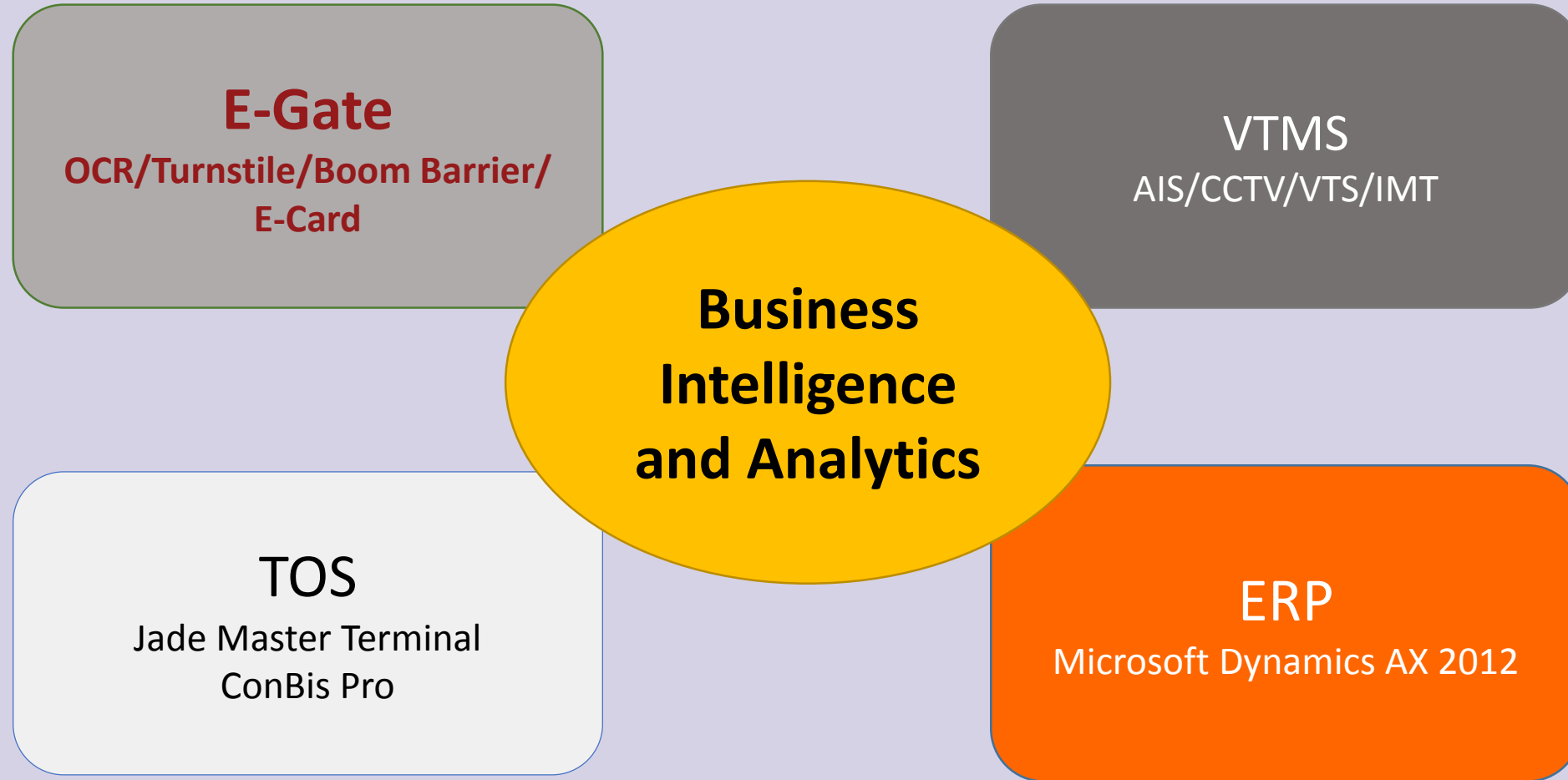
INVESTMENT IN IT SYSTEMS

Investment in IT Systems

- Enterprise Resource Planning - MS Dynamics AX 2012 V. 3
- Terminal Operating System – Jade Master Terminal (JMT)
- Vessel Traffic Management Systems (VTMS)
- E-Gate – Access Control Devices
- CCTV Network and Ariel Surveillance Vehicles
- E-Commerce and Mobile Commerce Technologies
- **Estimated Cost = US\$25.0 Mn**



E-Port



Based on Reliable IT Physical Infrastructure (Data Recovery Site as Backups)

CCTV Surveillance for Enhance Port Security

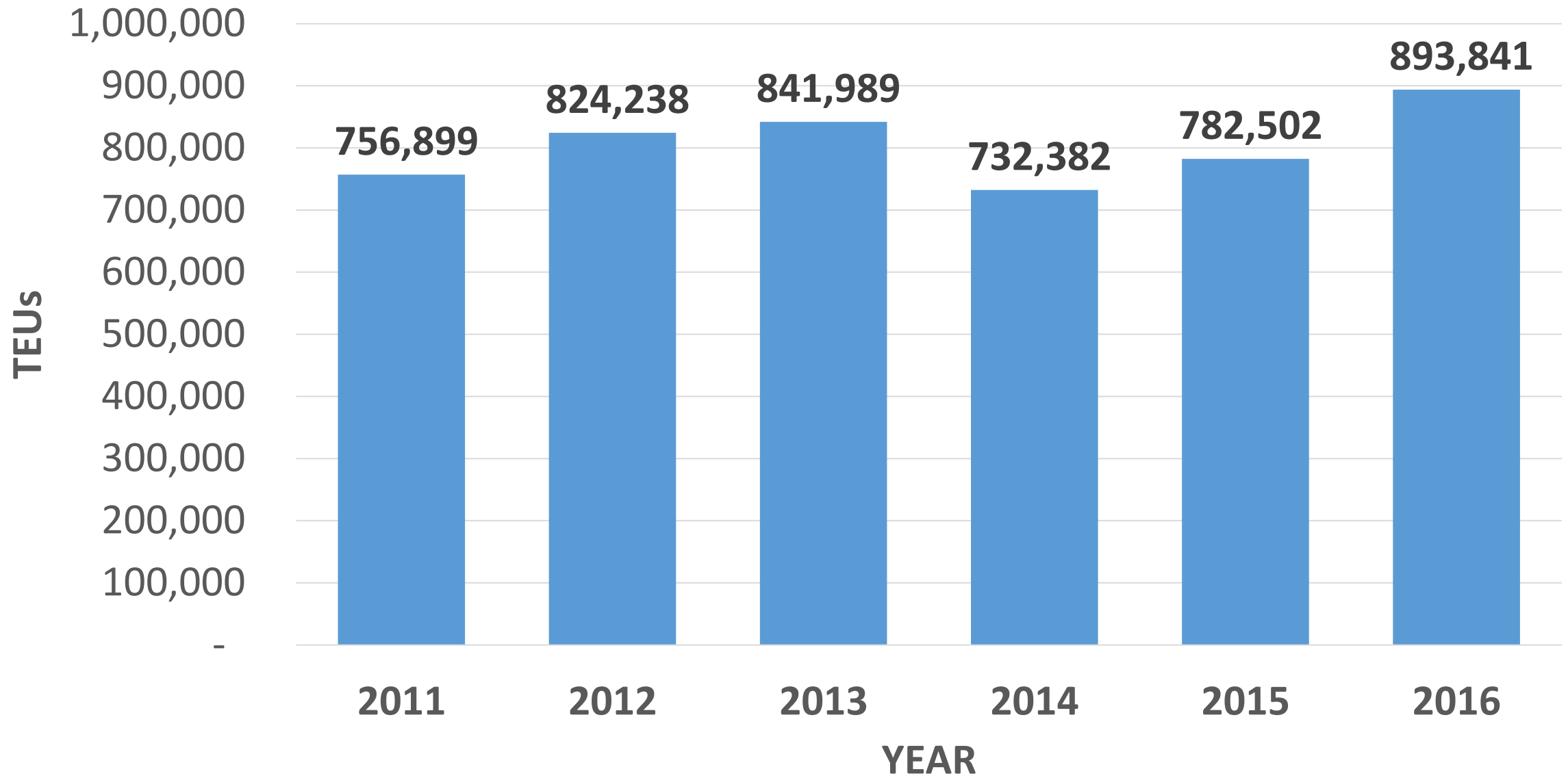


PROJECT OUTCOME AND IMPACTS

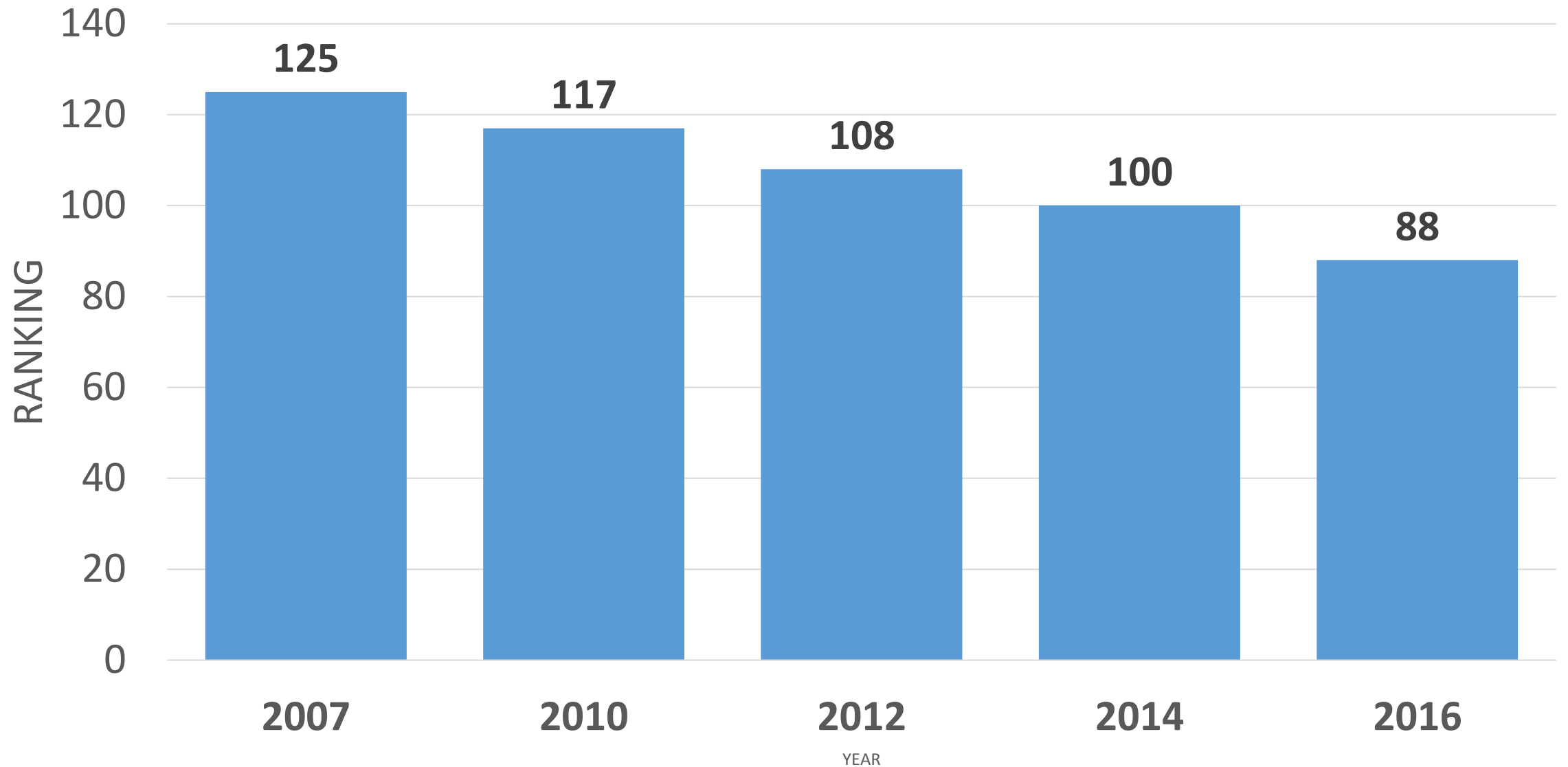
Project Impacts

- Too early to assess the impacts of the various Projects
- Some improvements have already been chalked:
 - Increase in Private Investment in the Ports
 - Growth in Port Traffic
 - Improvement in Container Handling Productivity
 - Improvements in Ghana's Logistics Performance Index (LPI)

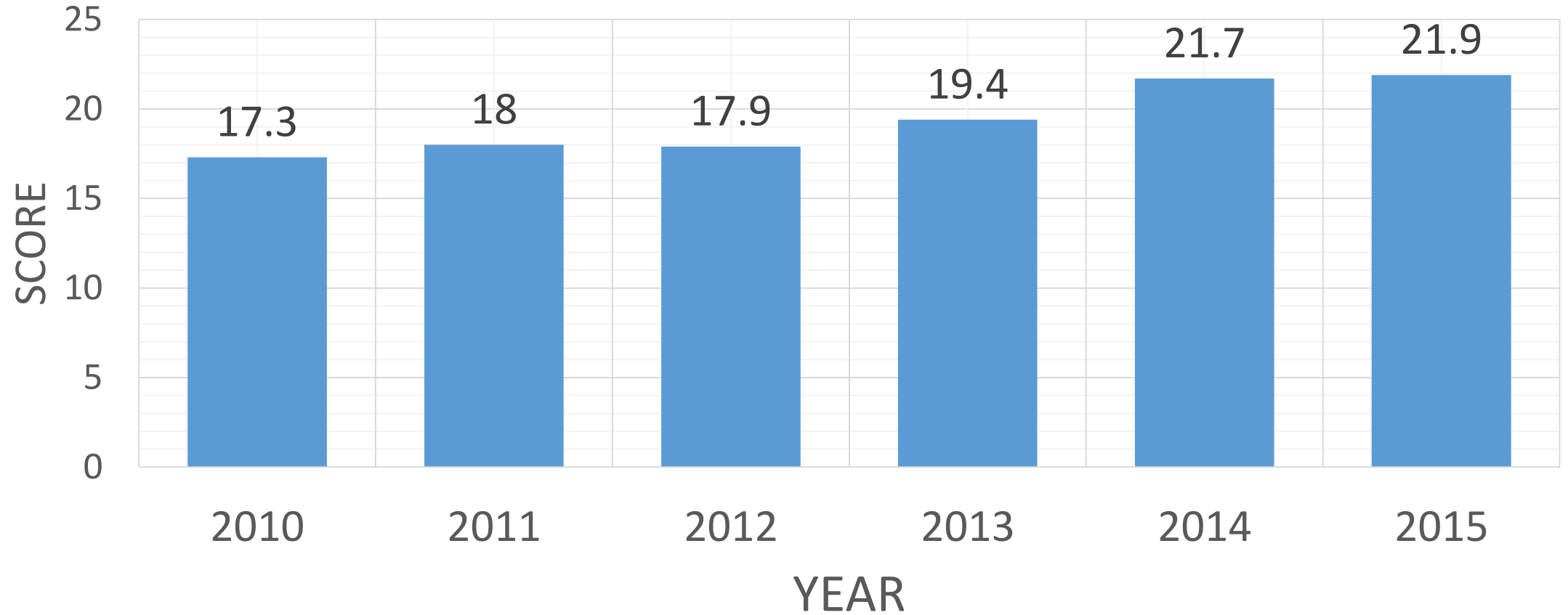
Growth in Container Traffic – Port of Tema



Improvements in Ghana's Ranking in WB LPI



Liner Shipping Connectivity Index



CONCLUSION

CONCLUSION

- Improving the efficiency of the ports is one of the grand strategies of government to enhance Ghana's trade and investment competitiveness.
- Efficient ports have been identified are strong catalysts for accelerated socio-economic development of Ghana.
- Efficient Ports will support government plan to position Ghana as **Beacon of Development, Stability, Peace and Democracy.**



THANK YOU ALL