Intermodal Transportation: Dubai Port and Dubai Rail

Problem

Background

Port of Jebel Ali:
- 1972 Port Rashid was opened
- 1979 Jebel Ali Port opened to help manage operations at Port Rashid

Etihad Rail:
- Established in 2009 to manage operations of UAE national freight and passenger railway network

Assumptions

Change
- Dubai’s transportation network is undergoing substantial changes with the Port of Jebel Ali and Etihad Rail adding new capacities in the years to come
- Jebel Ali port is on the rise and is now ranked in the top 10 busiest ports in the Middle East
- Jebel Ali Port must consider that by supporting log and rail, not only will throughput increase, but the efforts to optimize efficiency and cost will be more explored by the carriers

Restrictions
- There are restrictions in place on certain types of cargo, including dangerous and hazardous materials

Most Used
- Jebel Ali Port is the largest in the UAE

Methods

01 Personal Experience
- Visiting Port Jebel Ali January 2018

02 Communication with Supply Chain Experts
- UAE’s Business Directory

03 Secondary Research
- Port Logistics Capabilities
- Technology Development
- Intermodal Potential

Port Logistics Capabilities

Dr. Jean-Paul Rodrigue has PhD in Transport Geography and is the author of “The Geography of Transport Systems.” He says a port is:

“one of the most significant technological changes supporting global logistics.”

Intermodal Potential

Port development enables a network of connected operations, moving the cargo to other countries and sharing the benefits with customers, making the intermodal network a critical part of the logistics chain.

Financial Considerations

- DP World acquired Dubai Maritime City for a total of US$405 million
- UAE’s railway system is expected to increase the nation’s GDP by an equivalent of 950 million USD by 2030

Projected Growth

GCC

The GCC currently does not have a network connection by rail

Conclusion

- Gather more transportation data for more detailed analysis
- Continue rapid development of intermodal technology
- Integrate into a wider logistics network

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