

Transport Events Black & Caspian Sea 2023

Istanbul 5th July 2023

What happens when the volumes go crazy?

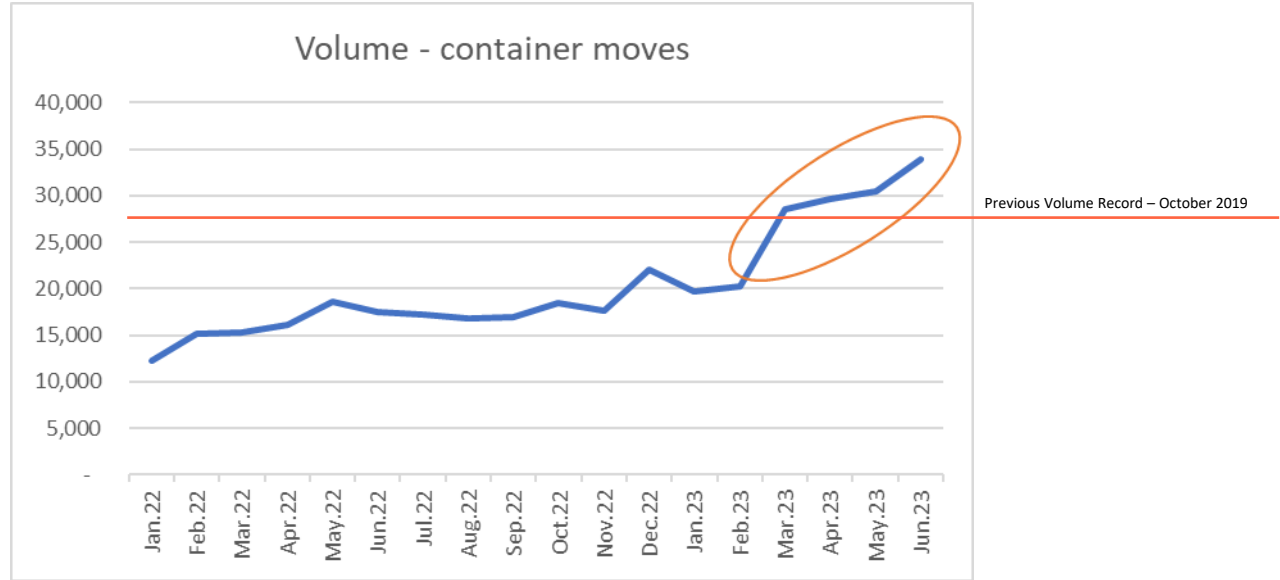
Understanding challenges in cargo handling when you start to run out of space

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Breaking Records

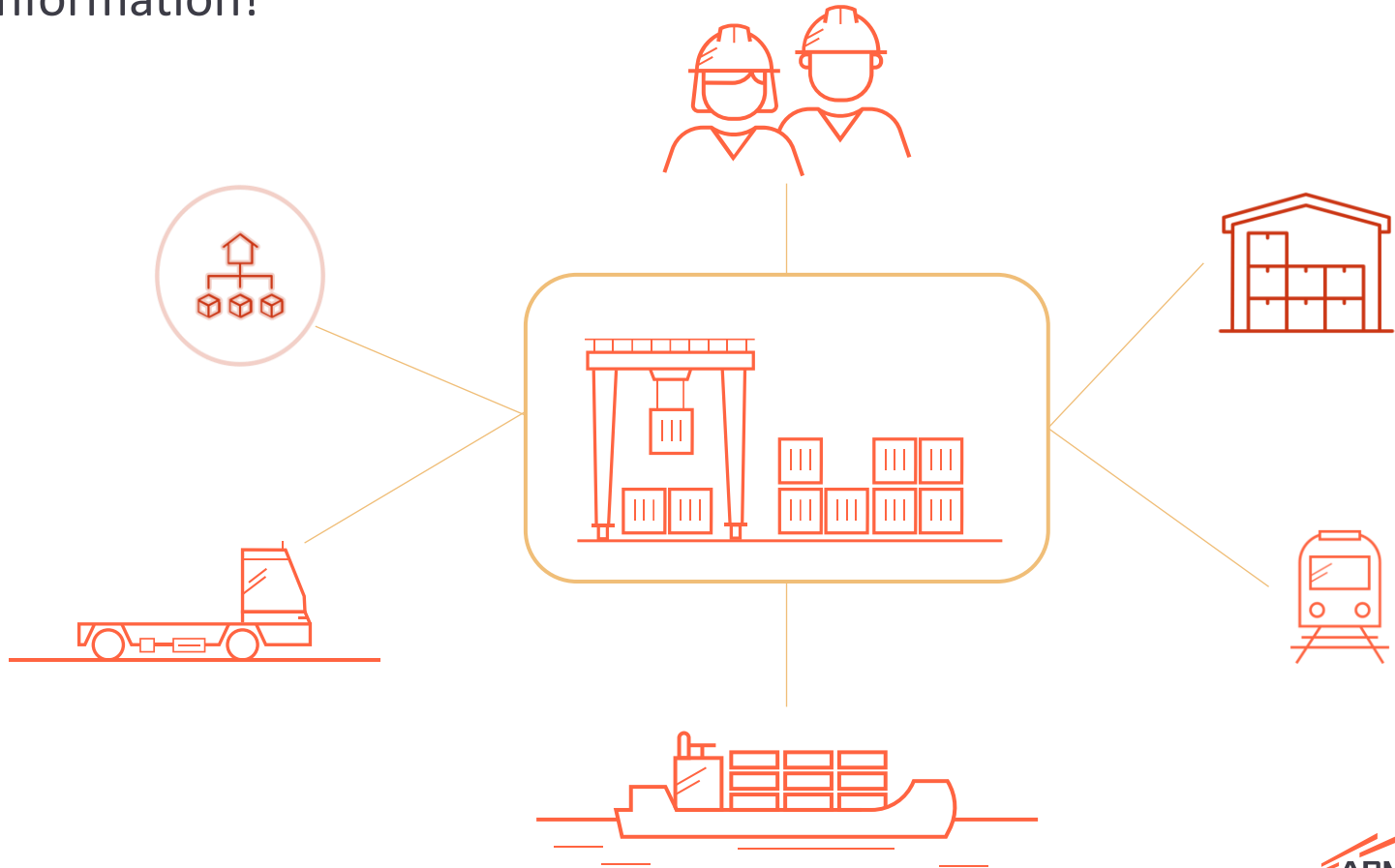


...but why?



CONNECTING
THE **CAUCASUS**
AND **CENTRAL**
ASIA TO
THE WORLD

Ports – Information!



Process



Ports – What else can we do?



Breakbulk



Solutions



Warehousing



Truck gate



Rail gate



Projects



Containers



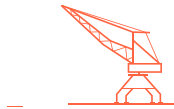
Rail



Dry Bulk



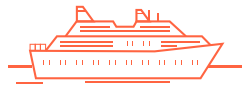
Gas



Heavylift



Liquid Bulk



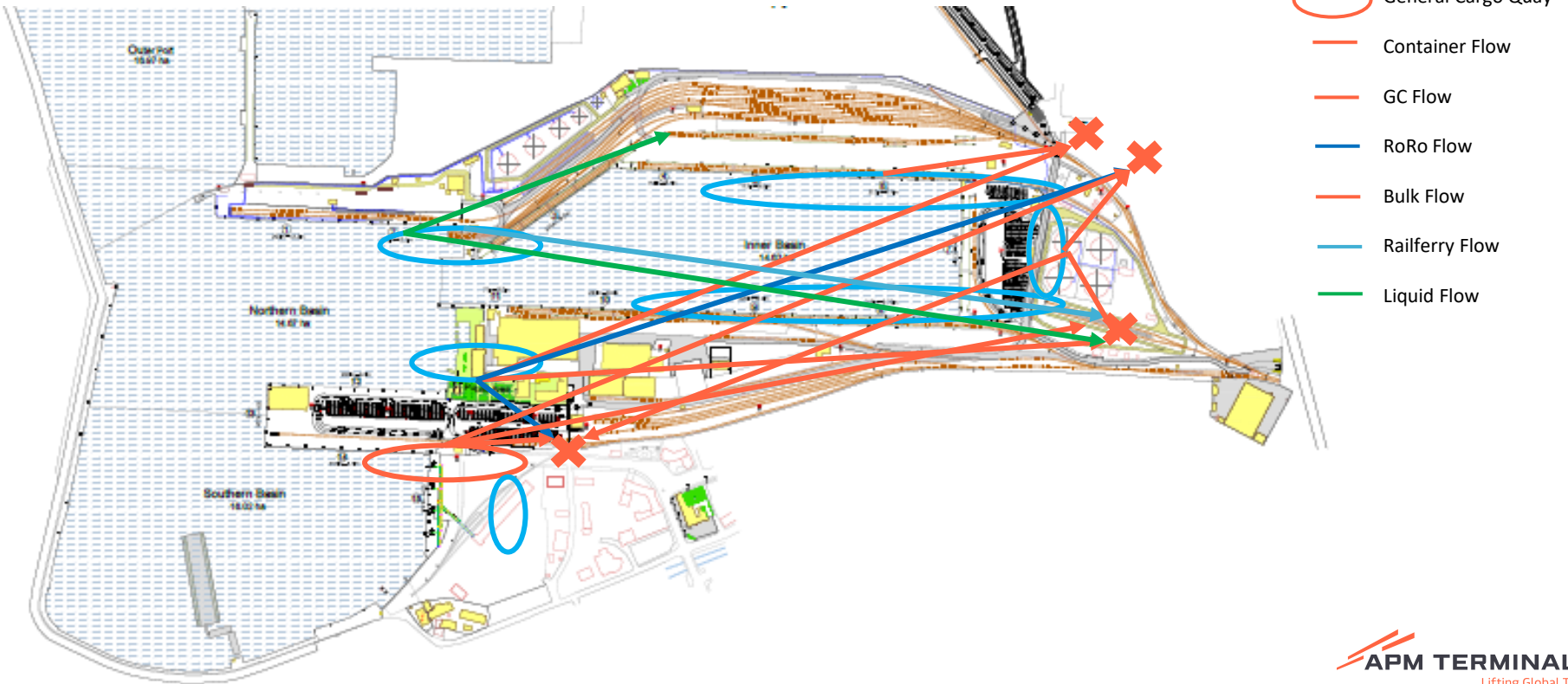
Passengers



RoRo

Rail Ferries

Cargo flow pain points



How do you fix it?



Opportunities for synergies

Combining low usage liquid bulk quay (no physical cargo handling alongside)

With specialized ferry berth...



Ferry Terminal

In this case, a dedicated stern-ramp berth for road and rail ferries

Benefits of rail ferry operations:

- Cargo easily marshalled and removed to external rail terminal



Multipurpose Berth

Challenges to manage conflicting cargo flows
But...



Multipurpose Berth

Challenges to manage conflicting cargo flows

But opportunity to optimize through the use of rotating bulk cargo container spreaders



RoRo Operations

Extremely space intensive

But short port stays

Efficient gate / cargo release actions promote great capacity

Innovative solutions exist, such as loading cars directly to rail for long-haul inland distribution



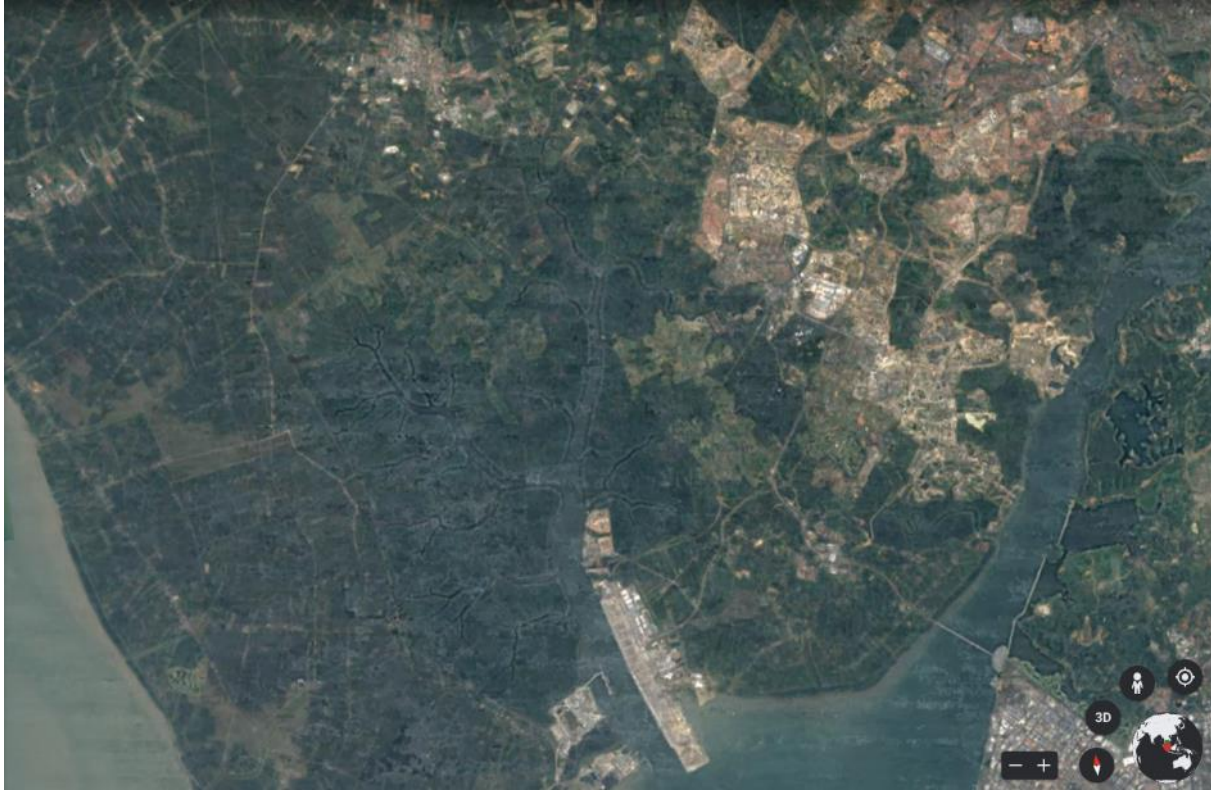
A community focal point

- Often largest employer in town
- Provides a mix of skilled and semi-skilled jobs
- Can drive civic pride (how important a port city is to the local economy beyond the gate)
- Generates much other economic growth
 - Warehousing
 - Offdocks
 - Logistics
 - Trucking
 - Support services
 - Engineering
 - Restaurants and catering
- But companies can alienate local population
 - pollution,
 - traffic,
 - closing off access to the public

Port of Tanjung Pelepas, Malaysia 2001



Port of Tanjung Pelepas, Malaysia 2012



Port of Tanjung Pelepas, Malaysia 2022



Port of Tanjung Pelepas, Malaysia

2001



2012



2022



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