



The Nacala Corridor Project initiative in improving regional trade and creating an efficient and cost effective service.

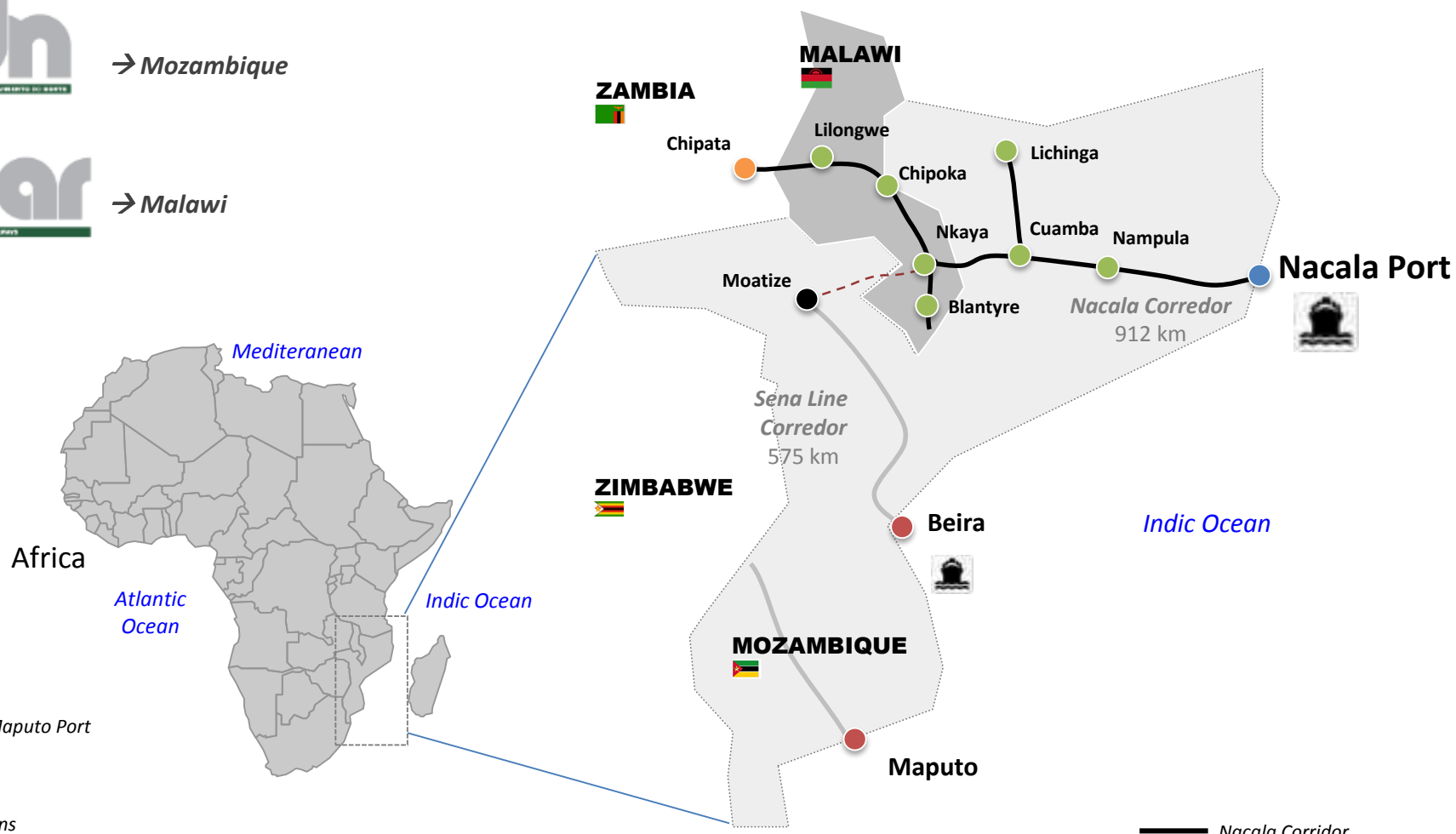
Understanding Nacala Logistics Corridor - initiative in improving regional trade










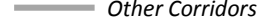
→ Mozambique



→ Malawi



-  Beira and Maputo Port
-  Nacala Port
-  Main Stations
-  Chipata Station – Zambia Connection
-  Moatize – Vale’s Coal Project

-  Nacala Corridor
-  New Railway Connection
-  Other Corridors

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Cargo Matrix Overview : Nacala Corridor

Influence Areas for Nacala Corridor

2017 Volumes: 403 kton Railway

1.700 kTon Port

Main Cargoes:

Import Flow:

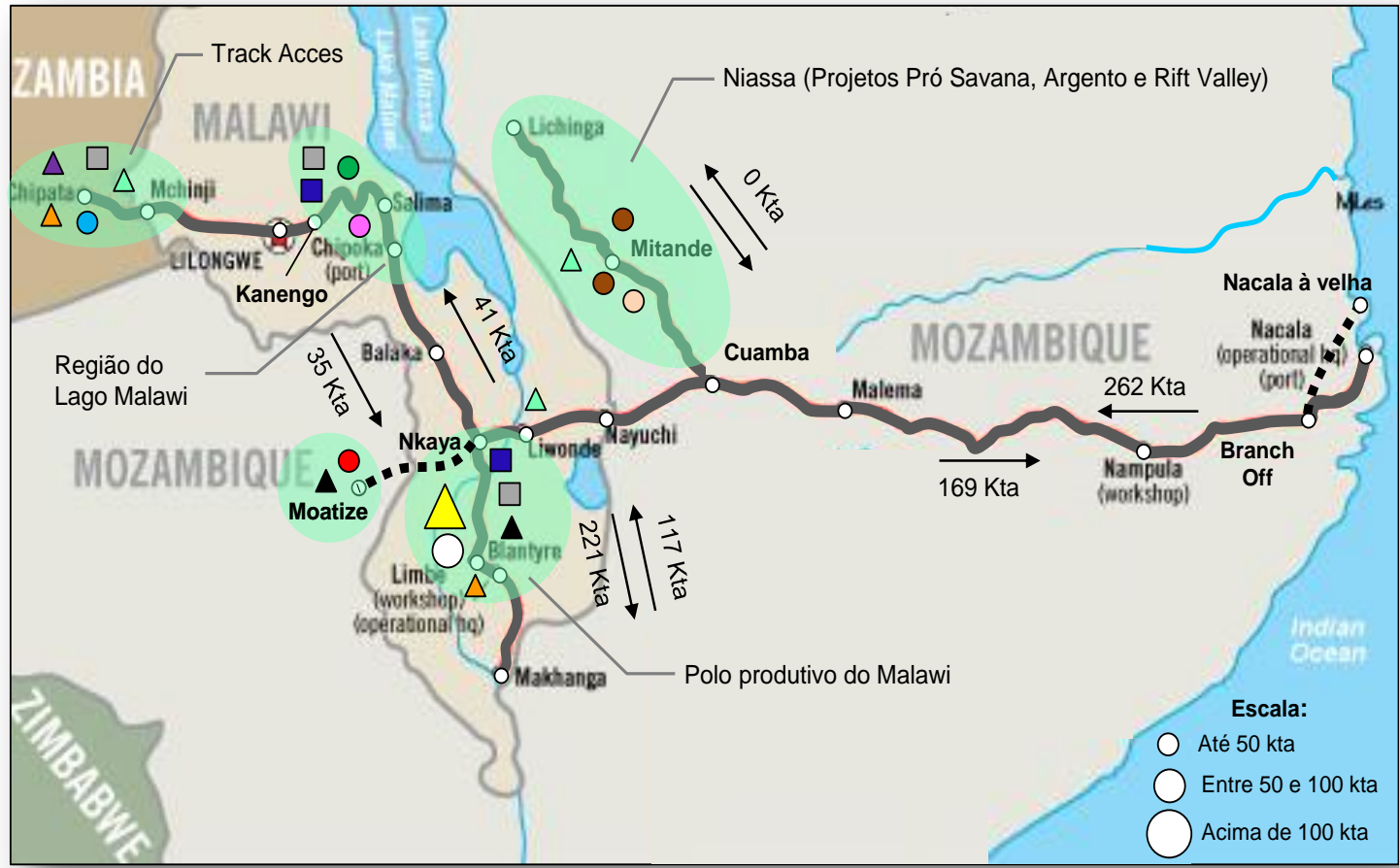
- Fertilizer
- Fuel
- Wheat
- Clinker
- Sulpher

Export Flow:

- Tobacco
- Sugar
- Mineral Sands
- Wood Logs
- Ore
- Pig Iron
- Grains

Imp / Exp Flow:

- Others Bulk
- Others Containers



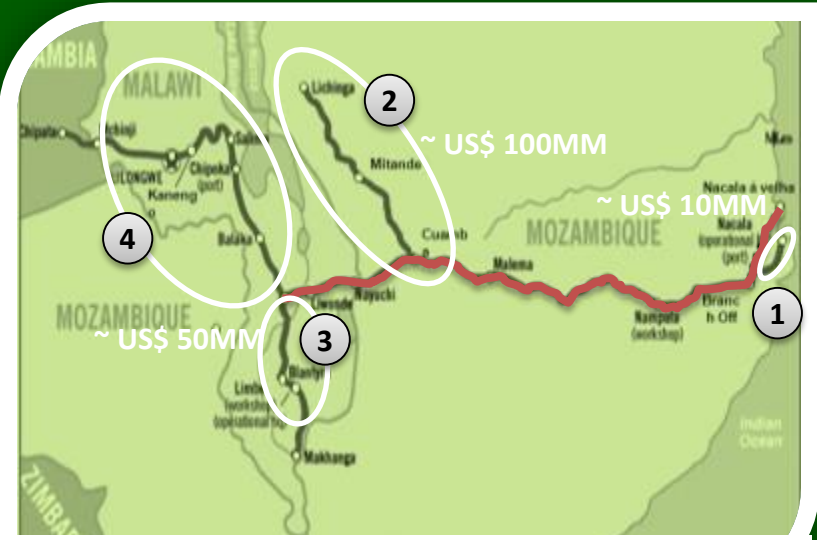
Import Flow: port to hinterland.

Export Flow: hinterland to port.

Import and Export Flow.

~US\$ 230 Million

Investment done by CDN in order to Improve General Cargo Capacity Throughput at Nacala Port and Railway ...



Nacala Corridor Logistics Integration

USD\$ 1,2 billion Nacala x Entrelagos (Coal) — Upgrade 610 Km of the Railway Main Line.

CDN's INFRASTRUCTURE INVESTMENTS

- 1 | USD\$ 10 Million - Namarral-Nacala Section**
 Recover and Upgrade 25 Km towards Nacala Port aiming to Improve Railway Capacity and Reliability.
 - 2 | USD\$ 100 Million - Cuamba x Lichinga Line**
 Recover and Upgrade 262 Km aiming to reconnect Lichinga Province to the Main Line.
 - 3 | USD\$ 50 Million - Nkaya-Limbe Section**
 Recover and Upgrade 98 Km aiming to improve Railway Capacity and Reliability In and Out Malawi.
 - 4 | USD\$ 70 Million - Nkaya-Mchinji Section**
 Recover and Upgrade 373 Km aiming to improve Railway Capacity and Reliability In and Out Malawi.
- ≡ USD\$ 300 Million – Nacala Port (GoM + JICA)**
 Recover and Upgrade Port Infrastructure and Equipments, to Provide Technical and Management Skills to Port Personnel.

Understanding Nacala Logistics Corridor

≡ CDN Railway Network:

- 610 Km from Nacala Port to Malawi Border
- 262 Km from Cuamba to Lichinga

≡ CEAR Railway Network:

- 101 Km from Mozambican Border to Nkaya Junction
- 495 Km from Blantyre to Mchinji (Border with Zambia)
- 41 Km from Mchinji to Chipata (Zambia)



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≡ Nacala Port Offshore Operations :

ETB – ETA < 24 hours (6 Pilots available to attend coal, General Cargo, Fuel and Container Terminals)

≡ Nacala Railway Transit time:

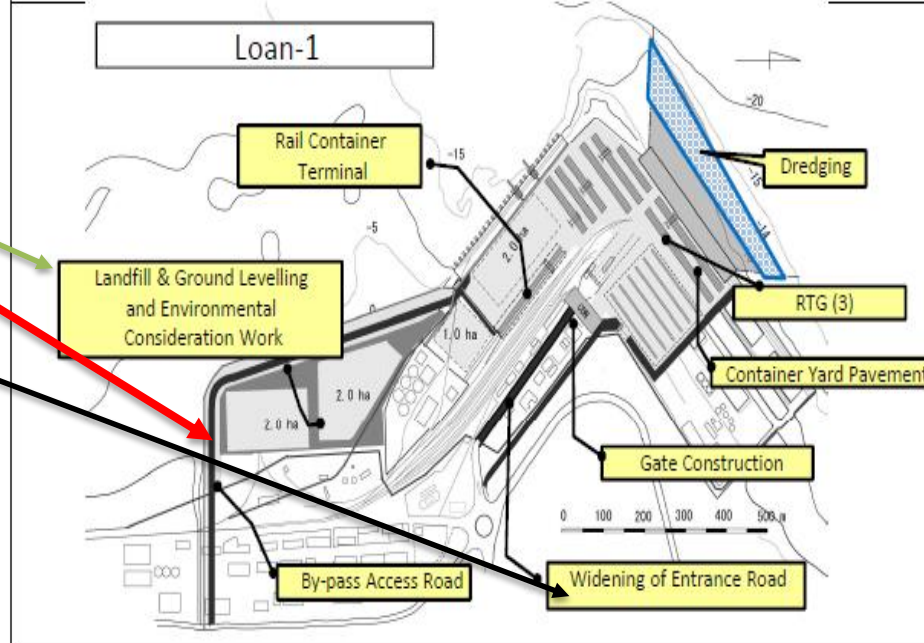
- Nacala – Lichinga : 36 Hours
- Nacala – Blantyre: 48 Hours
- Nacala – Chipata : 96 Hours



≡ Nacala Port Capacity:

- 2.4 Mtons / Year
- 100.000 TEU's / year
- Draft of -14 meters (minimal tide influence)
- 02 Tug Boats (70 tons bollard pull)
- 01 Tug Boats (32 tons bollard pull)
- 2 RTG's implemented (+06 to be installed on 2020)
- 13 Reach Stackers
- North Wharf with a length of 610 m (7,5m draft)
- South Wharf with a length of 372 m (14m draft)

Nacala Port Rehabilitation (2018-2021) to increase container Handling Capacity from 100.000 to 300.000 Teus / Year




CDN is member of Project Management Unity of this Rehabilitation Project (commence May'2018)

- *New Administration Building with 4 floors*
- *More efficient Container Handling (Total : 8 RTG)*
- *02 Quay Gantry Crane (to be installed on 2020)*
- *North Wharf (1& 2)(14m draft) exclusively for Container Terminal*
- *12 Yard Chasis to be delivered on 2020*


Understanding Nacala Logistics Corridor


► Warehousing Capacity is Key for the Corridor Development. It Supports the Idea of Bigger Vessels Calling Nacala Port, Therefore, Enjoying Economies of Scale.



 Temporary

 Permanent

 to be Demolished

 Available for rent

Understanding Nacala Logistics Corridor - initiative in improving regional trade

- ▶ Warehousing Capacity is Key for the Corridor Development. It Supports the Idea of Bigger Vessels Calling Nacala Port, Therefore, Enjoying Economies of Scale – BAGGED CARGO WAREHOUSING (15k tons)



Understanding Nacala Logistics Corridor

► Warehousing Capacity is Key for the Corridor Development. It Supports the Idea of Bigger Vessels Calling Nacala Port, Therefore, Enjoying Economies of Scale – CLINKER STORAGE AREA (40k Tons)



Understanding Nacala Logistics Corridor

► CDN and CEAR, Port and Railway Integrated Logistics.



- Port and Railway Improved Operational Integration;
- Risk Management Control Increase (Operational and Commercial);
- Nacala Corridor Marketing Capacity;
- Overall Logistics Cost Improvement Becoming More Attractive;
- Nacala Corridor Strategy:
 - Bulk and Break Bulk Cargos Mix;
 - Containerized Cargo;
- Higher Engagement With Projects (e.g.: JICA, Silos, Dry Ports);
- Closer Relationship With Government (e.g.: Customs).



Higher Focus on Achieving General Cargo Business Plan Results.

Thank you all...



Mario Moura

Nacala Logistics Corridor

Port Operation

+258 84 222 0628

Nacala - Mozambique

Ibraimo Mussa

Nacala Logistics Corridor

Port Operation - OffShore

CDN Porto +258 84 320 5316

Nampula - Mozambique

Fátima Nalá

Nacala Logistics Corridor

Business Development

+258 84 614 6181

Maputo - Mozambique

Thank you all...



THANK YOU