

# Port of Beira's development: Success stories and lessons learnt



**MAURITIUS**   
**Maritime Week 2018**  
The Preferred Regional Maritime Gateway

Monday 22 to Friday 26 January 2018  
The Ravenala Attitude, Mauritius

**Cornelder**  
de Moçambique s.a.



# Cornelder de Moçambique

**Shareholders :**

**Cornelder**



**(67%)**



**(33%)**

**Started :** **October 1998 – Port of Beira**

**Concession :** **25 years, extendable**

**Primary business:** **Port Terminal Operation**

**Terminals :** **Multipurpose & Container and General Cargo**

**Services Offered :** **Handling of cargo, warehousing.**

**Employees:** **650 own employees, +  
countless employees of dedicated subcontractors**



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# Container Terminal



- 640m Quays.
- 10.000TEU Full container Storage Capacity.
- Current Capacity ~ 400.000TEU / year



# Capacity Expansion 2010-2017



## 2010

- 2 x STS Gantry Crane
- 8 Reach stackers.
- 15 Terminal Tractors / Trailers.

## 2017

- 4 x STS Gantry Crane (2 x 65t Twin).
- 20 Reach stackers.
- 40 Terminal Tractors / Trailers

# Productivity Improvements



**2010**

- Moves per day: ~300
- Truck Turn around: >4 h
- Vessel Productivity 10moves /hr.
- Dwell Time: ~20 days

**2017**

- Moves per day: ~600
- Truck Turn around: 45min
- Vessel Productivity 40moves /hr
- Dwell Time: < 10 days



# Yard Expansion

**2016**

- 3 Hectares additional container yard.

**2017**

- 900 TEU of space for import containers.
- Better truck flow from the new entrance into the Terminal.

# New Container Terminal entrance



- In 1998 both GC and CT Terminal used one entrance and exit of the Port
- Traffic growth has since forced CdM to invest in separate access gates.
- In 2010 was constructed a container Terminal entrance with two lanes, shared office and with limited capacity of 250.000 TEUs per year.
- CdM started construction in 2016 of a new entrance complex with 5 dedicated access lanes for cargo trucks and 2 separate *lanes for light traffic*.
- The complex will have an annual capacity of 750.000 TEU.

# General Cargo Terminal



- 680m Quays.
- 15.000m<sup>2</sup> Covered Storage.
- 150.000m<sup>2</sup> Open Storage.
- 50.000t Bulk Cereals Storage.
- Forklifts 3-50t.
- Bagging Machines / Hoppers / Grabs.
- 2 x Mobile Port Crane.
- heavy lift cranes on hire in town.

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# General Cargo Terminal

## *Main Cargoes*

### Main Cargoes

- Fertilizer
- Clinker
- Cereals
- Sugar
- Bulk Minerals

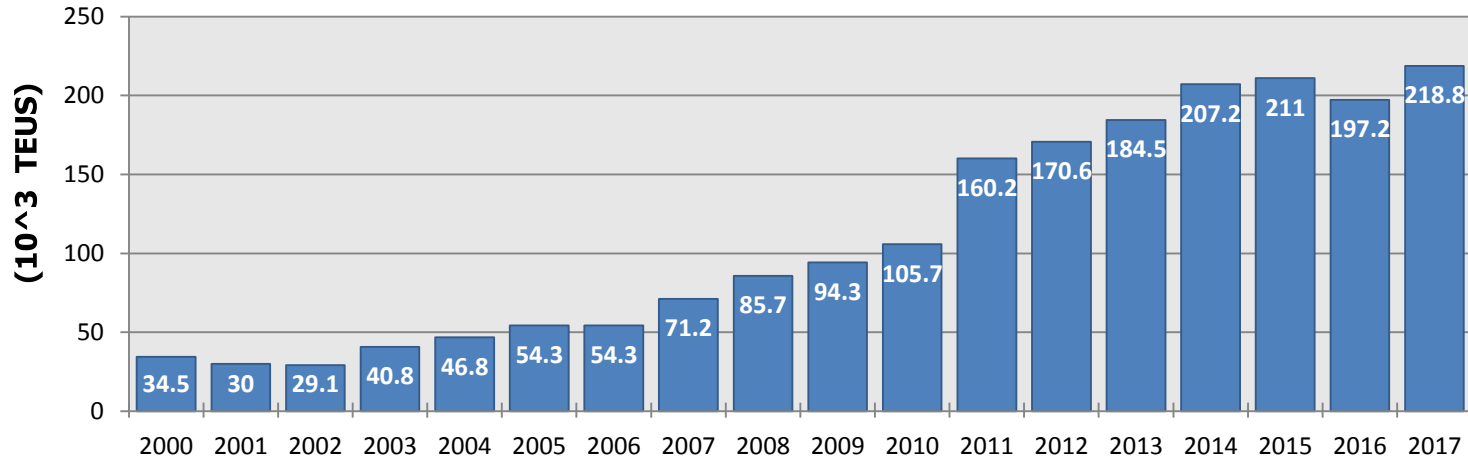


- Granite
- Equipment
- Project Cargo

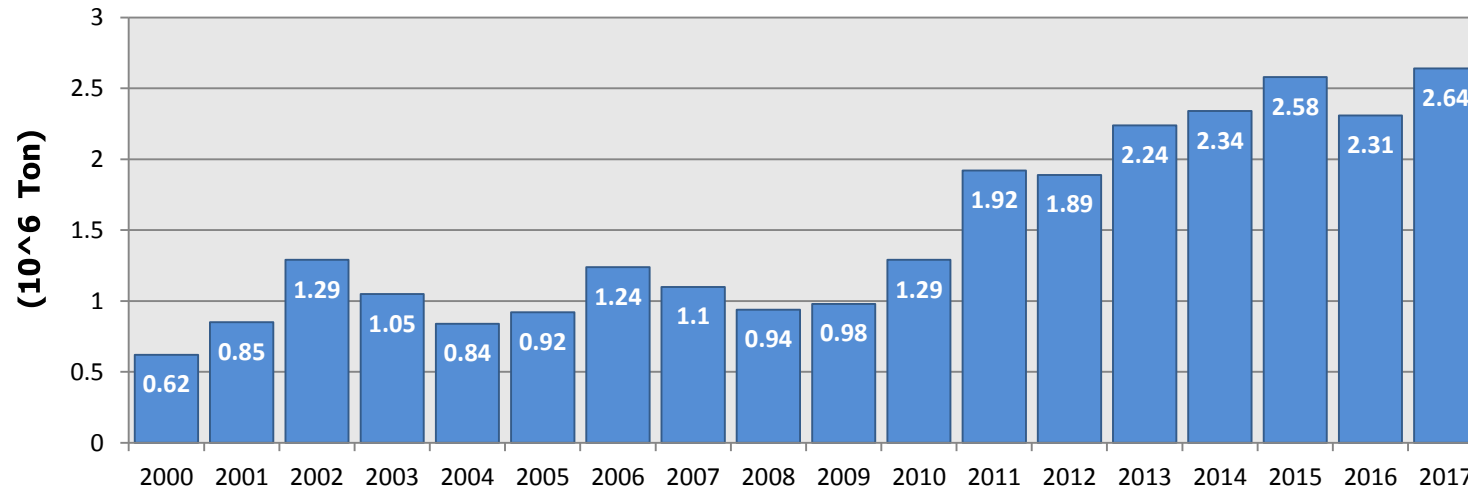


# Overall Cargo Volumes

## Containers



## General Cargo



# Quick Response Capability

## Example: 2016 Drought Campaign

**February 2016:** Notification from Government Zimbabwe and Malawi of pending drought requiring 500.000t+ of Maize imports on top of normal imports.

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# May 2016: Emergency Bulk Maize Capacity Operational

Within 3 Months:

- Converted a warehouse into a 25.000t flat cereal storage facility.
- Acquired and commissioned 2 Bulk Materials Handlers.
- Acquired and commissioned 2 tractors + debulking trailers.
- Acquired and commissioned 2 additional bagging machines.
- Installed a 12.000t Maize “Bunker”.



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# Cornelder Project cargo experience





# IT Investments - Better Systems

EMC<sup>2</sup>

VNX 5200

**2012**

- Vehicle mounted computers CT

**2014**

- Vessel Planning System CT

**2016**

**navis<sup>®</sup>**  
**SPARCS N4**

**2017-2018**

- General Cargo Terminal TOS.
- Automated Gates / OCR.
- Internet Portal.



# Port Security



6km of hardened  
perimeter fence



Dedicated Security Company  
Specialized in Port Security  
replacing general Security  
Companies:



Bio-Metric Access  
Control:

*Test phase underway, full  
roll out in 2018.*



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# Emergency dredging and road construction



- Budget: EUR 25 million provided CFM.
- Dredging will restore channel widths of 135 and 250 meters and depths of eight and 9.20 meters.
- Once completed, it is expected Panamax-type ships of up to 60,000 gross tons.
- Currently, only vessels up to 30,000 gross tons can be accommodated.



- The rehabilitation and extension works of National Road Number Six (EN6) of 288 kilometers
- New bridge over the Pungue River
- The total cost of the project is US\$410 million.



# Beira Port Community: Beyond the Terminal

- Electronic Customs System allowing quick clearance.
- Numerous Professional Vessel & Cargo Agents.
- Large Fleet of International Cargo Trucks.
- Various Bonded Warehouse & CFT's around Beira.





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## Obrigado







**We are waiting to welcome you for the  
19th Intermodal Africa 2018 conference –  
Beira City, Mozambique.**