



PPC



EXPO BETON 2018

3rd EDITION

KINSHASA/ DR CONGO

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Overview

CEMENT INDUSTRY CONTRIBUTION TO THE DRC INFRASTRUCTURE

- ❖ Quick review of DRC infrastructure
- ❖ Infrastructural potential of DRC west corridor
- ❖ Cement industry roles
- ❖ PPC contributions to the DRC infrastructure



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DRC Infrastructure Review

CEMENT INDUSTRY CONTRIBUTION TO THE DRC INFRASTRUCTURE

❖ DRC is part of African countries with challenging infrastructure environment and one of the most infrastructurally challenged regions in the world.

- Most of road networks have been seriously damaged or left to deteriorate
- The rail infrastructure is dilapidated and the rail network has fallen into disuse
- The redressing of the country's infrastructure would need more funding and time



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DRC Infrastructure Review

CEMENT INDUSTRY CONTRIBUTION TO THE DRC INFRASTRUCTURE

❖ Lack of adequate infrastructure
Lubumbashi-Kisangani



entry zones: **Kinshasa-**



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DRC Infrastructure Review

ROAD

CEMENT INDUSTRY CONTRIBUTION TO THE DRC INFRASTRUCTURE

- ❖ DRC has only 32 Km of coastline. The remaining part of the country is opened outward through corridors that connect it to the international trade.
- ❖ In total there are 3 Corridors that serve as entry points for goods in the country:
 - Northern and Central Corridors → Eastern Border
 - Southern Corridor → Southern Border
 - Western Corridor → Western Borders



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CEMENT INDUSTRY CONTRIBUTION TO THE DRC INFRASTRUCTURE

ROAD

❖ The **western corridor** outwards the DRC:

❑ Through Bangui from:

- Doula port (congested),
- Kribi port (Newly constructed) and
- Libreville port to Zongo

❑ From Angola

- Luanda and Lobito ports to Matadi, Kinshasa or Dilolo





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ROAD

CEMENT INDUSTRY CONTRIBUTION TO THE DRC INFRASTRUCTURE

- ❖ Much of the **DRC** is disconnected with the majority of the road infrastructure being in poor conditions and only about 1.8% being tarred.
- ❖ More effort has been noticed in trying to rehabilitate these roads and other country's infrastructure:
 - Securing of major development funding
 - Promotion of more private enterprises to invest in roads
 - Rehabilitation of rural roads



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PORT

CEMENT INDUSTRY CONTRIBUTION TO THE DRC INFRASTRUCTURE

- ❖ DRC is poorly connected to the sea and the port infrastructure is very poor and hampered by the country's nature.
- ❖ No ports in the DRC can take direct calls from conventional cargo liners and the country relies on transshipment from Pointe Noire using small vessels.
- ❖ The current ports in the western corridor of DRC (BOMA, BANANA and MATADI) have low capacity and low draught and are unable to fill adequately the needs of the DRC western part.



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PORT

CEMENT INDUSTRY CONTRIBUTION TO THE DRC INFRASTRUCTURE

- ❖ **MATADI** port plays a greater role in serving Kinshasa and the Southwest area of the DRC. But, has limited cargo-handling capacity and inefficient port services.
- ❖ **BANANA** port has a very limited capacity and is mainly used for crude oil export.
- ❖ Due to these constraints, the country relies on neighbor country's ports.
- ❖ It is clear that, the improvement of the existing ports is necessary and important to the economic growth of the country.



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RAILWAY

CEMENT INDUSTRY CONTRIBUTION TO THE DRC INFRASTRUCTURE

- ❖ The Matadi port is connected to Kinshasa by SCTP.
- ❖ This line is almost 30 years old and the track is in reasonable conditions.
- ❖ The connection from Dilolo (one of the key contact points) to KATANGA is assured by the SNCC network and would be very instrumental in the good export through Angola from Lobito port.
- ❖ But this line is partially operational.
- ❖ In general these lines are in poor conditions limiting the speed to 10-35 Km/h.



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DRC Infrastructure Review

AIRPORT

CEMENT INDUSTRY CONTRIBUTION TO THE DRC INFRASTRUCTURE

- ❖ Due to the geographic conditions of the country, the airport network would be of great importance in opening up access within/to the DRC.
- ❖ The internal air route has dramatically increased and the aircraft fleet has been renewed.
- ❖ However, most international airports are unable to accommodate modern air vessels and would need improvements of their infrastructures.
- ❖ This has made the DRC not a well connected country to the rest of the world.



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Potential of DRC Infrastructure

CEMENT INDUSTRY CONTRIBUTION TO THE DRC INFRASTRUCTURE

- ❖ Rail, road and power projects according to research have the potential to fundamentally change the lives of the people in the DRC.
- ❖ The existing road infrastructure will soon be insufficient to respond to the increasing traffic of mining out.
- ❖ An improved rail system will significantly reduce transportation costs for resources and increase the general transport efficiency for the entire country, taking trucks off the road system.



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Potential of DRC Infrastructure

CEMENT INDUSTRY CONTRIBUTION TO THE DRC INFRASTRUCTURE

- ❖ The DRC has several assets in the infrastructure sector offering tremendous opportunities to invest:
 - 238.935 Km of roads
 - 5033 Km of railways (not interconnected)
 - 270 Airports (101 for public traffic, 5 International airport and 164 private aerodromes)
 - 25 paved runways
 - 16 238 Km of waterways
 - 2513 Km linear bridges (1965 bridges)
 - 89 hydroelectric plants and other renewable resources (Potential of becoming Africa's largest power exporter)



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Cement industry roles

CEMENT INDUSTRY CONTRIBUTION TO THE DRC INFRASTRUCTURE

- ❖ **Cement consumption** is a key indicator of economic growth due to the fact that:
 - It is widely **correlated** to gross domestic product (**GDP**) per capita.
 - Has a higher degree of **correlation** with gross national product (**GNP**) per capita
 - Cement data can easily and quickly be collected more accurately than GNP in less developed countries and AFRICA.
- ❖ The construction industry is very important for country's economic growth, infrastructural development and employment generation.





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Cement industry roles

CEMENT INDUSTRY CONTRIBUTION TO THE DRC INFRASTRUCTURE

- ❖ Global cement consumption in 2016 was 4 billion Tones and is expected to increase by 0.2 billion Tones by 2020
- ❖ China 2.8 b Tones
- ❖ India 0.4 b Tones
- ❖ USA 0.1 b Tones
- ❖ Europe 0.24 b Tones
- ❖ Africa 0.24 b Tones
- ❖ The global capacity for cement is about 1.5 T/Capita with AFRICA 0.19 T/Capita





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Cement industry roles

CEMENT INDUSTRY CONTRIBUTION TO THE DRC INFRASTRUCTURE

- ❖ This statistics means in AFRICA context that :
- ❖ The population of Africa has exceeded 1 billion with urbanization happening faster than in the developed countries
- ❖ Prevailing aging infrastructure
- ❖ Growth rates across the continent differ significantly
- ❖ Infrastructure systems are unevenly distributed



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PPC contribution

CEMENT INDUSTRY CONTRIBUTION TO THE **DRC** INFRASTRUCTURE

APPROACH

- ❖ PPC's network is rooted in the opportunity we have always seen in AFRICA
- ❖ Our experience has shown that partnership which get the basics right from the beginning can unlock numerous synergies and efficiencies and thereby the potential of regions.
- ❖ All of our plants are strategically positioned from a geographic perspective. Located close to some most African dynamic growing cities.
- ❖ We strongly believe that investing in a cement plant in AFRICA is more than simply creating new capacity since it can fundamentally shift the growth trajectory of the immediate region





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PPC contribution

CEMENT INDUSTRY CONTRIBUTION TO THE DRC INFRASTRUCTURE

Portfolio



DRC
1.2 mtpa



Ethiopia
1.4 mtpa



Botswana
450 ktpa
(milling)



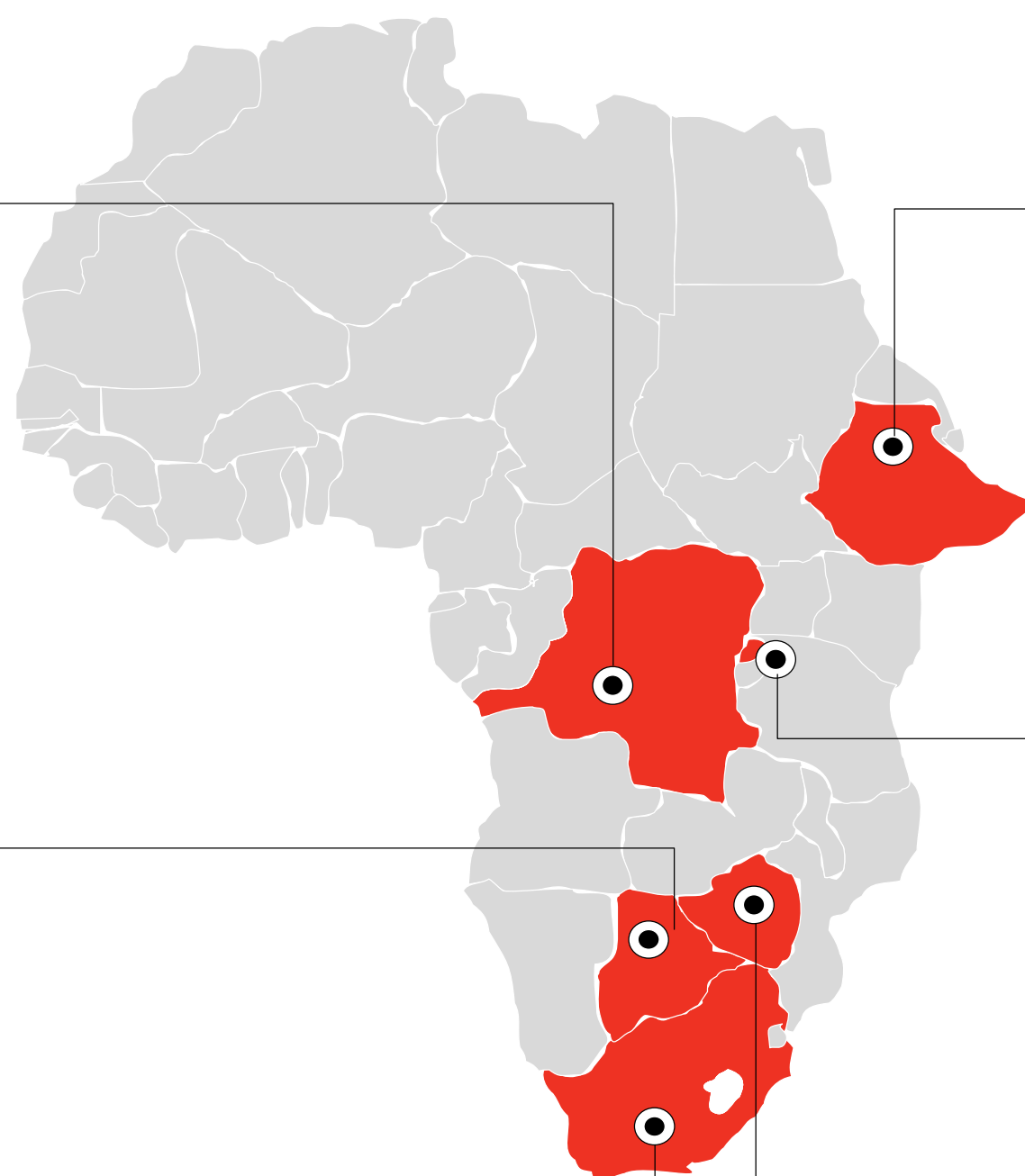
Rwanda
650 ktpa



South Africa
7.0 mtpa



Zimbabwe
1.4 mtpa



PORTFOLIO OVERVIEW

Capacity (cement)	11.7 mtpa
Cement plants	18 plants
Lime factories	1 factory (1mtpa)
Aggregate quarries	4 quarries (4mtpa)
Readymix plants	29 plants (100 000 m ³ per month)
Flyash	500 ktpa



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PPC contribution

DRC

CEMENT INDUSTRY CONTRIBUTION TO THE DRC INFRASTRUCTURE

- ❖ **OUR VALUE PROPOSITION:**
- ❖ **QUALITY** products for specific engineering works: **General work, Road and construction works**
- ❖ Service after sale
- ❖ Technical support
- ❖ Offering delivered service
- ❖ Mutual beneficial partnership



A black and white photograph of a savanna landscape. In the foreground, a large elephant stands on the right, facing left, with its trunk slightly raised. Behind it, a smaller elephant is visible. To the left, another elephant is partially obscured by a large red rectangular overlay. The ground is dry and dusty with sparse grass. A small body of water in the lower right reflects the elephants and the sky. The overall tone is somber due to the monochrome palette.

Thank you



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