

N'DJAMENA REFINERY COMPANY LIMITED



Operating costs and IRR review

July 2025

Company Overview

Historical Background

The N'Djamena Refinery Company (NRC) was established in the early 2010s and commissioned in 2011 as part of Chad's national strategy to achieve energy self-sufficiency and reduce its dependence on imported refined petroleum products.

The refinery is a joint venture between The Republic of Chad, represented by the Minister of Petroleum, and CNPC International Ltd.

NRC processes domestic crude oil, primarily sourced from the Grand Baobab oilfield located in the Bongor Basin in southern Chad, along with a smaller share from the nearby Daniëla field, in order to meet domestic fuel demand and support national economic growth.

Industrial Capacity

- Refining capacity: 20,000 barrels per day (bpd).
- Main products: petrol (gasoline), diesel, kerosene (jet fuel), liquefied petroleum gas (LPG), and polypropylene, Fuel oil.
- Technology: constructed with Chinese expertise.

Infrastructure and Location

- Main site: refinery located in Djarmaya, north of N'Djamena.
- Pipeline: approximately 311 km pipeline connecting the Ronier oil field to the refinery.

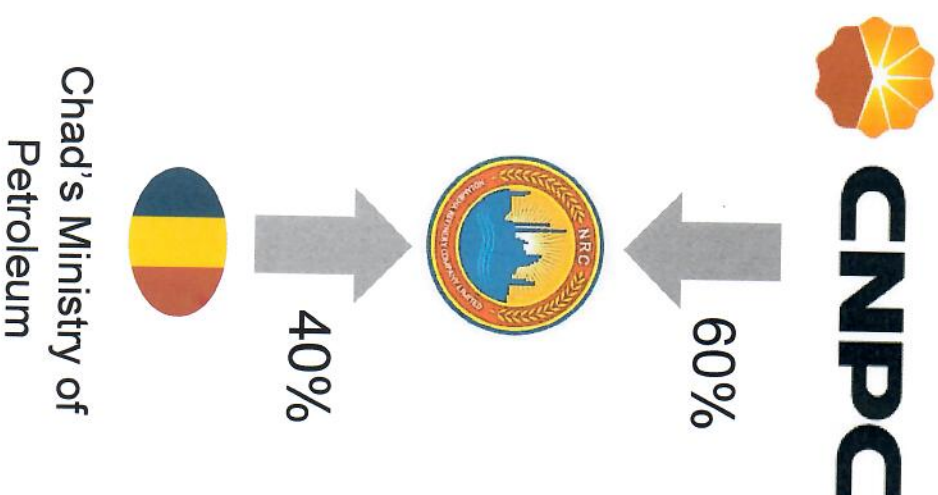
Performance

NRC has significantly contributed to reducing fuel imports in Chad. However, the company faces several challenges:

- Operational inefficiencies due to ageing infrastructure.
- Logistical constraints related to the country's landlocked geography.

Human Resources

- Direct employment: estimated between 300 and 500 employees (technicians, engineers, administrative staff).
- Indirect employment: significant impact in sectors such as logistics, transport, and subcontracted services.



Operating Costs Review 2022-2023

1	Assignment Overview	6
2	Income Statement Overview	8
3	Overview of Operating Expenses	13
4	Detailed Review of Key Operational Costs	16
5	Focus Maintenance and other expenses	28
6	Other Operational costs	34
7	Summary and Recommendations	45