SOCIETE AFRICAINE DE RAFFINAGE

SAR, an industrial asset for the energy sector

2025

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A Reassuring Presence

The Société Africaine de Raffinage (SAR) began its operations on October 31, 1963, and was officially inaugurated on January 27, 1964. Since its creation, it has played a vital role in supplying the country with petroleum products, including butane gas, regular and premium gasoline, jet fuel, kerosene, gasoil, diesel oil, and fuel oil.

Located in Mbao, Dakar, the refinery processes an average of 180 tons of crude oil per hour accross a 32-hectare industrial site. This processing capacity represents approximately 1.5 million tons of production per year, covering nearly 50% of the national demand for hydrocarbons, with the remainder supplemented by imports to achieve an average of 80% coverage of the national market.

By 2029, SAR aims to achieve self-sufficiency in the supply of petroleum products to the national market and also supply part of the subregional market. This will be made possible through an increase in its capacity to 5.5 million tons, enabling the refining of a significant share of the country's crude oil production from the SANGOMAR field.

For more than 60 years, SAR has stood as a strategic pillar for the national economy and energy security.

Key figures

Production	Turnover	Employment	Tax contribution	Certification
1,5 million Tons Source: CRSE data	par 923 billions FCFA = 1.6 billions USD	301 staff	209 billions FCFA (2022-2024)	ISO 9001 ISO 14001 ISO 45001 ISO 17025

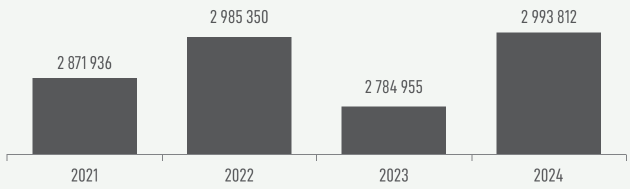
The petroleum products market in Senegal has experienced sustained growth, averaging more than 3.2% annually between 2020 and 2024, mainly driven by the steady increase in domestic demand.

In 2024, SAR covered around 84% (industrial and commercial activity) of the national demand for petroleum products (excluding jet fuel, marine gasoil bunkers, and karpowership fuel), reaffirming its central role in the country's supply.

In addition, other operators in the sector accounted for the remaining 16% through independent imports.

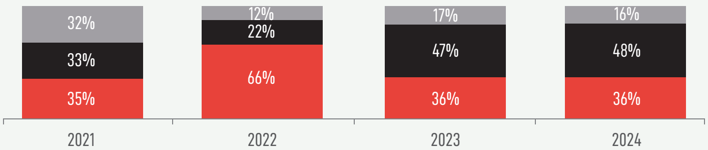
Furthermore, SAR ensures 100% of Senelec's petroleum product supply.

Domestic consumption of hydrocarbons (tons)



Source: CRSE data

Market share excluding jet and butane



Source: CRSE data

Other importers
SAR - Industrial activity
SAR - Sales activity

(excluding jet fuel, marine gasoil bunkers, and karpowership fuel)

Key dates

1983

Capacity increase from 600,000 tons to 1.2 million tons/year

2009

Equity investment in SENSTOCK

2016

Compliance and reliability enhancement of equipment

2022

- Capacity increase to reach 1.5 MT of production (ACATBS)
- Securing and renovation of electrical substation P1

2025

Construction of a new Crude/Fuel Oil Sealine in progress

2028

- Capacity increase to reach **5.5 MT of production**
- Compliance with new **AFRI-6 standards**

2030

Installation of a petrochemical complex

Facilities, Equipments and Capacities

Sites	Equipments	Capacity
Crude Oil Storage Area 	• 7 crude oil storage tanks • 1 new tank of 50,000 m³ under construction	• Total storage capacity: 225,000 m³
Mbao Refinery 	**Integrated Industrial Complex (32 ha, Dakar)** Includes: • Atmospheric distillation unit • Reforming unit • MEROX unit • Vacuum distillation unit • Butane recovery unit • Boiler (H341N) • Boiler (H302N) • 6 generators with a total power of 6,000 kW • Pre-flash column and furnace.	• Atmospheric distillation unit: 1,500,000 T/year • Vacuum distillation unit: 950,000 T/year • Reforming unit: 18 T/h • MEROX unit: 25 T/h
Hydrocarbons Storage Area 	• 28 hydrocarbons storage tanks • 8 butane storage spheres	• Combined storage capacity: 62,200 m³ • Butane storage capacity: 3,700 T

Products

- Butane
- Premium Gasoline
- Marine Fuel
- Kerosene
- Kerosene domestic
- Gas Oil
- Diesel Oil
- Fuel Oil

Customers

SAR 2.0 Project

With the liberalization of the energy sector in 1998, the Senegalese market became more competitive in terms of imports, marked by the arrival of new national and international operators.

In this context, SAR continues to operate its Mbao refinery, which processes 180 tons of crude oil per hour and covers about half of the country's hydrocarbon needs, while imports remain necessary to secure supply.

The recent oil and gas discoveries in Senegal offer a major opportunity to strengthen energy autonomy and improve product availability in both quantity and quality.

The SAR 2.0 project is a flagship strategic initiative aimed at modernizing and reinforcing the Société Africaine de Raffinage (SAR) to ensure Senegal's energy sovereignty. Aligned with the "Senegal 2050" vision, this project aspires to position SAR as a leading regional player in crude oil refining and petrochemicals.

Project challenges

Cover the entirety of Senegal's petroleum product needs by 2029 and process the full production from the SANGOMAR crude oil field.

Ensure production compliance with AFRI-6 standards: gasoline with 10 ppm sulfur and a maximum of 1% benzene, and diesel with 10 ppm sulfur and a cetane number of 46.

Diversify production towards petrochemicals by leveraging significant synergies with refining activities.

Transition to LNG as fuel for the refinery and expand storage capacity across the national territory as well as part of the subregion.

Project components

Refining	1. **Atmospheric and Vacuum Distillation :** Separation of crude oil into different fractions. 2. **Deep Conversion :** (hydrocracker, FCC, etc.) to maximize the production of high value-added fuels. 3. **Treatment :** (desulfurization, hydrotreating) to ensure clean fuels compliant with AFRI-6 standards.	**Products**	• Gasoline • Diesel • Bitumen • Engine Oils • Sulfur • Jet Fuel • Heavy Fuel Oil • LPG • Polypropylene
Petrochemicals	Production units dedicated to the conversion of petroleum fractions into various petrochemical products	**Products**	• Urea • Polyethylene • Ammonia • NPK Fertilizer
Territorialization	**Provision and facilitation of access to petroleum products across the entire territory.** SAR plans to redeploy its storage capacities within the 8 territorial hubs through a network of pipelines and a fleet of barge-tankers, in order to ensure fair and equitable access to petroleum products throughout the national territory.		

Technology

- High-performance and efficient processes
- Automation and digital control
- Integration of digital technologies (IoT, data analytics) for optimized management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MANAGEMENT SYSTEM CERTIFICATION
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ISO 9001 - ISO 14001
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