INDUSTRIES & MARKETS

Africa's oil and gas industry



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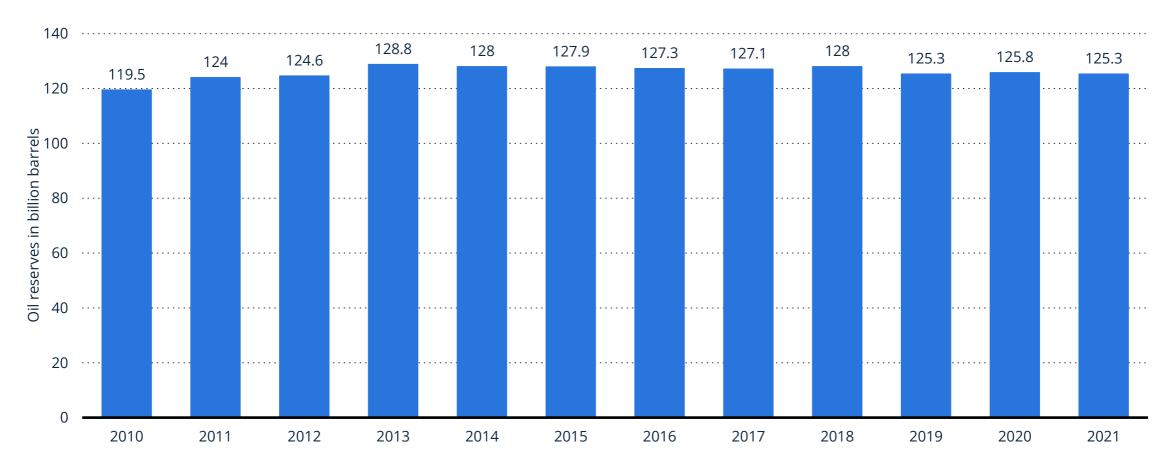


CHAPTER 01

Oil reserves & production

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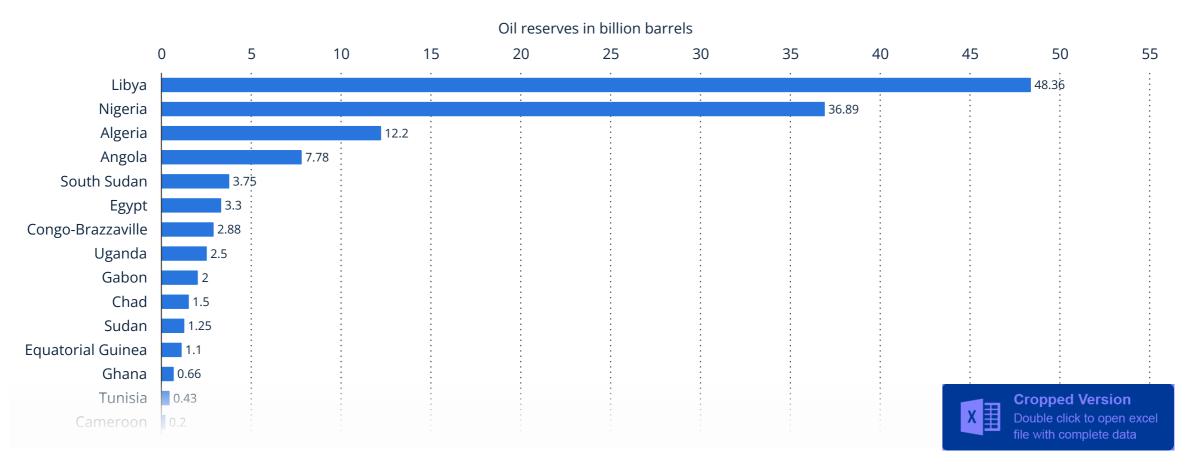
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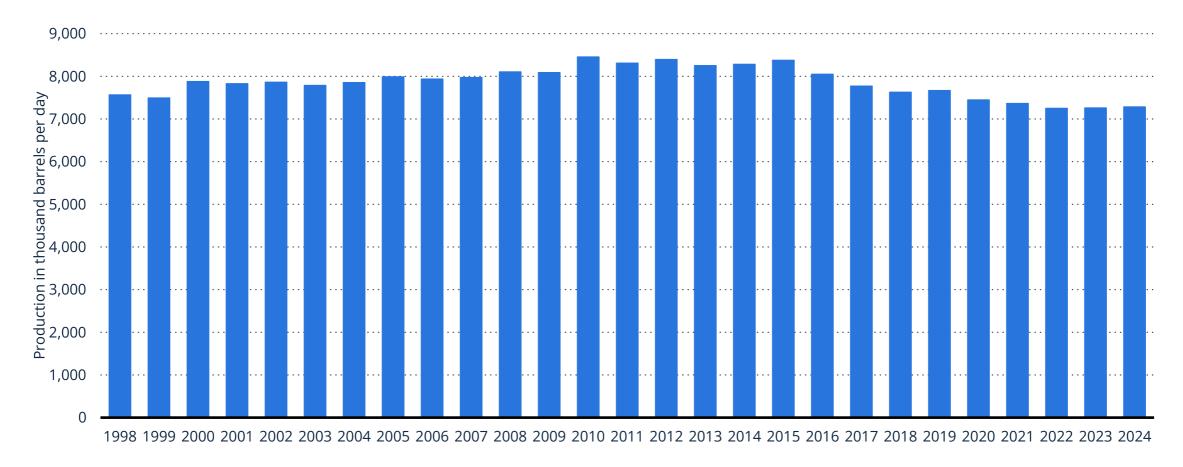
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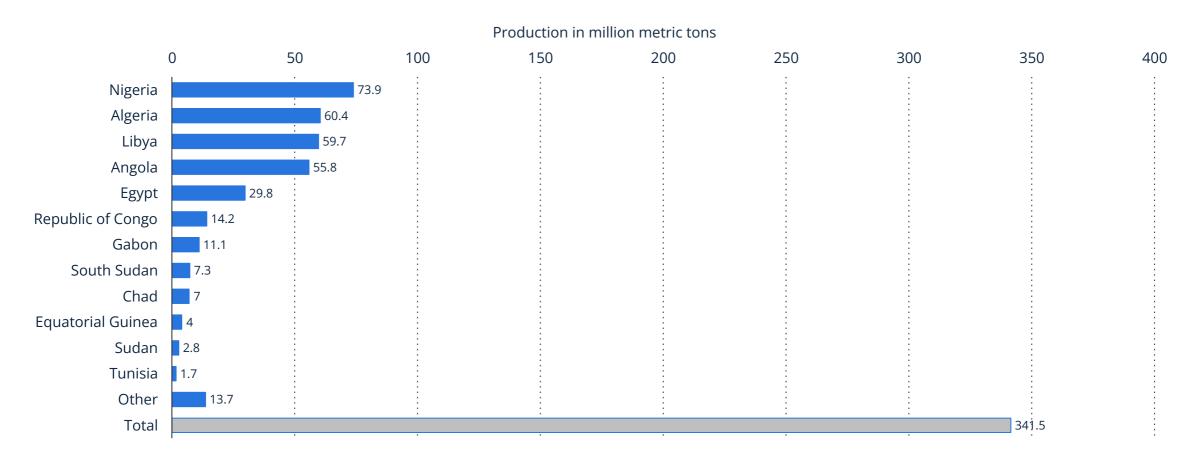
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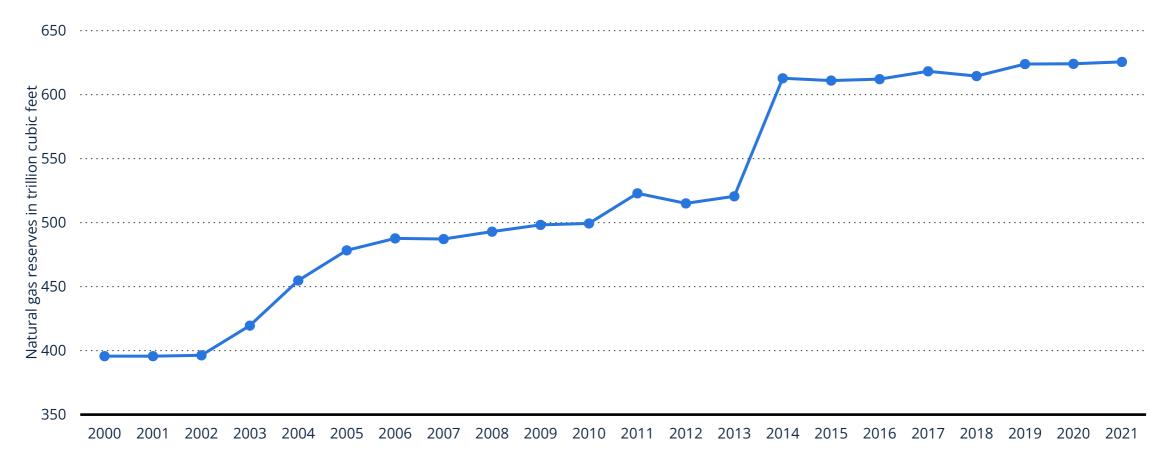


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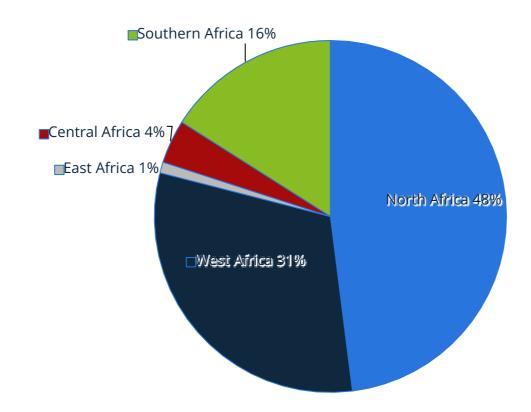
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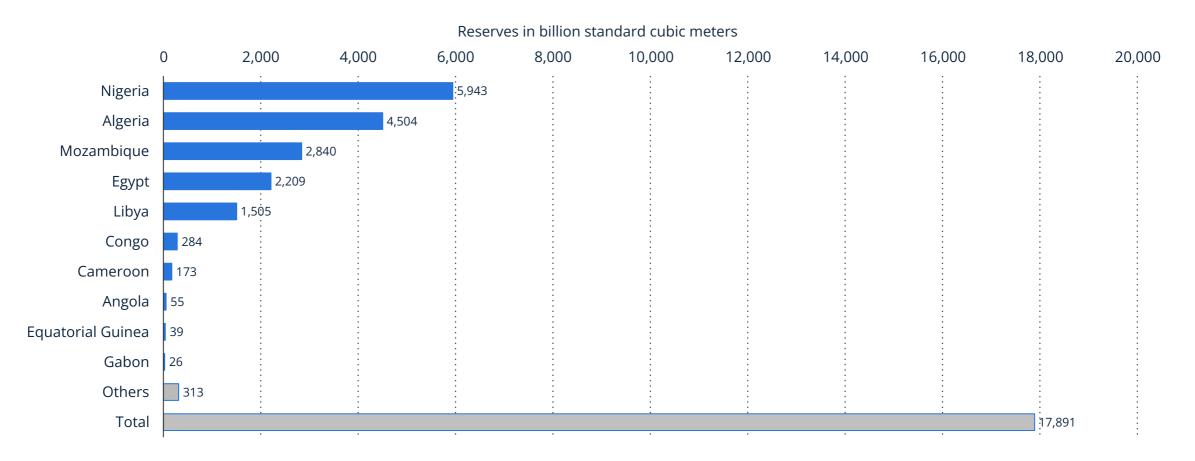
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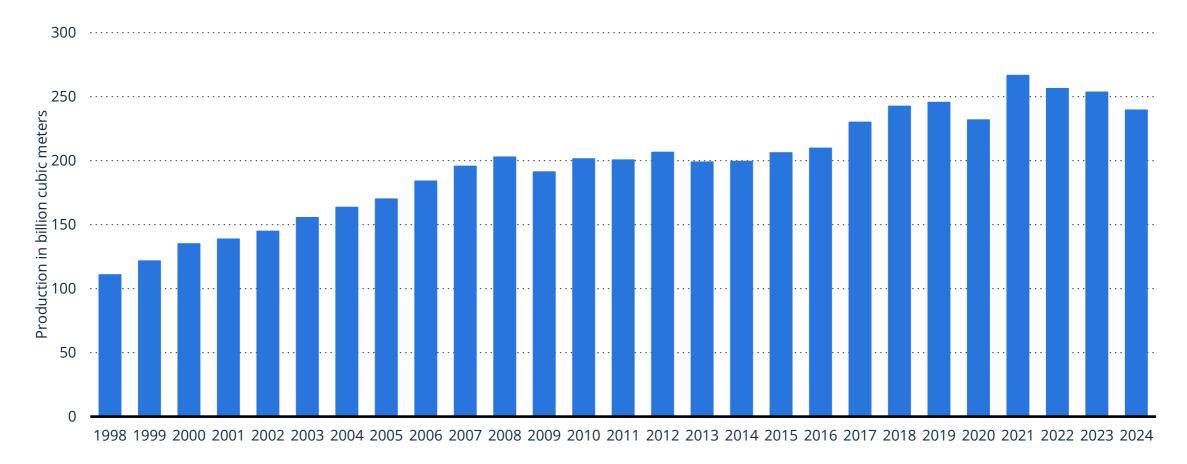




Source(s): OPEC

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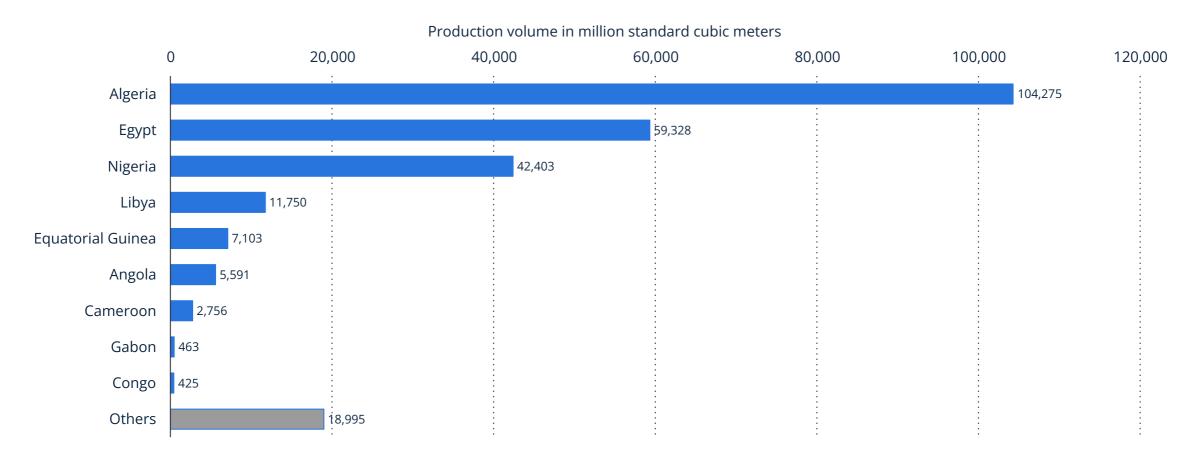
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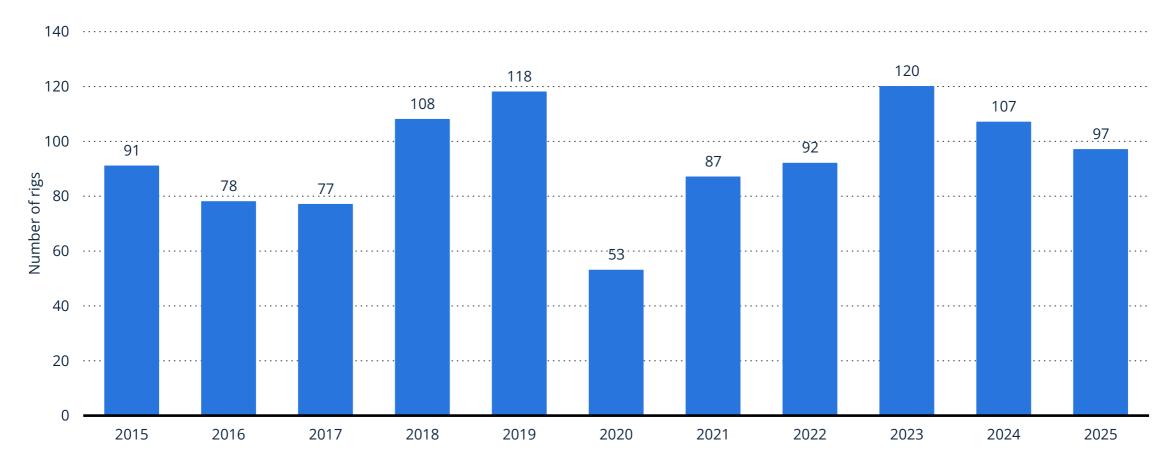


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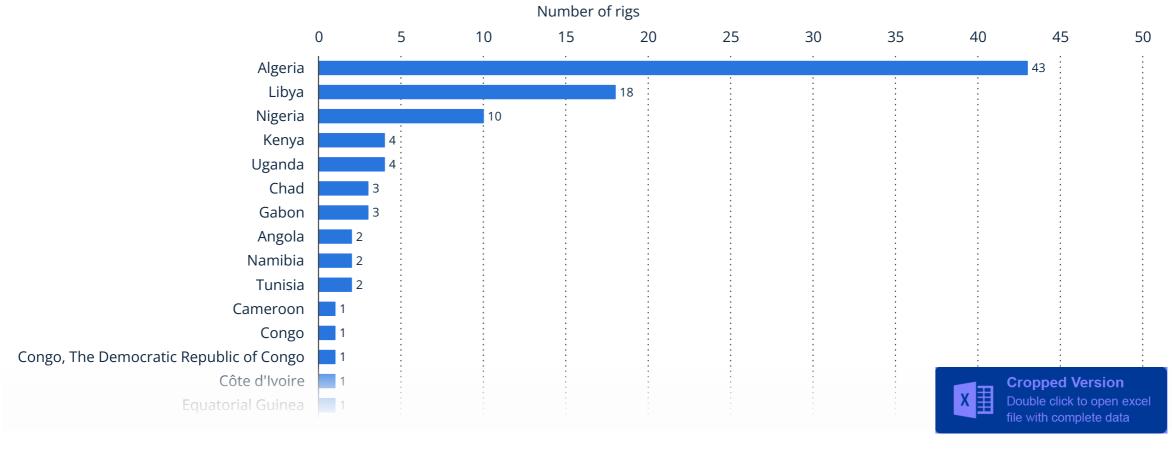
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Active oil and gas rigs in Africa March 2025, by country

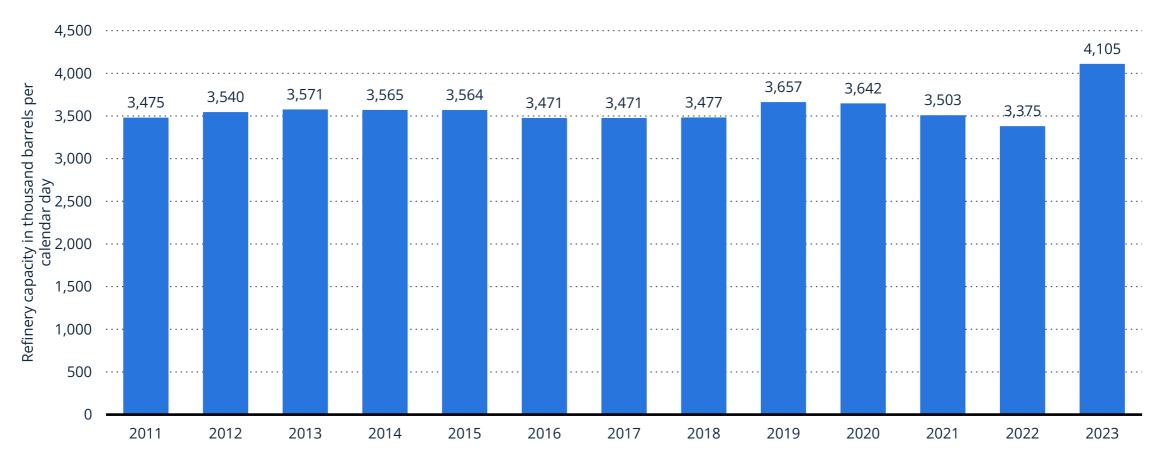




Source(s): Baker Hughes

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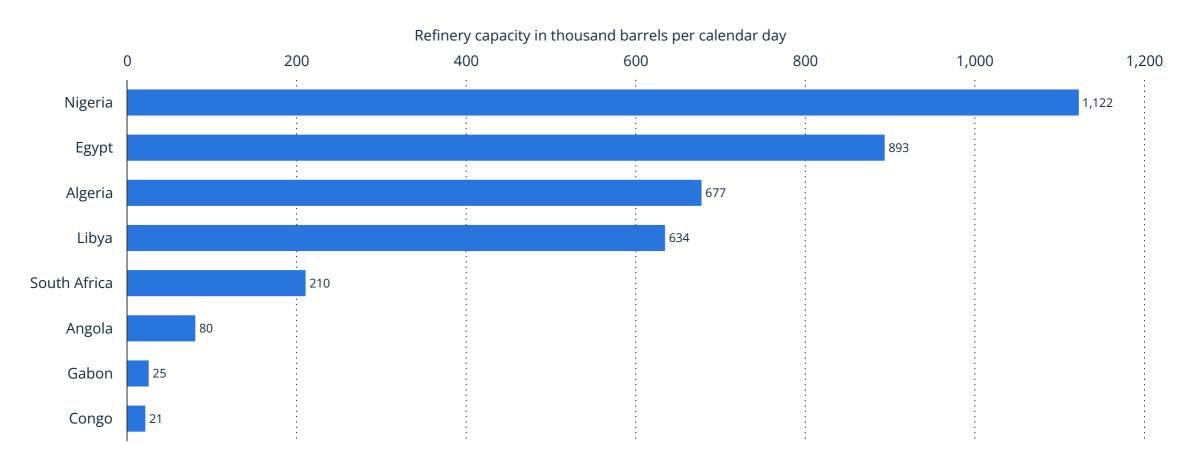
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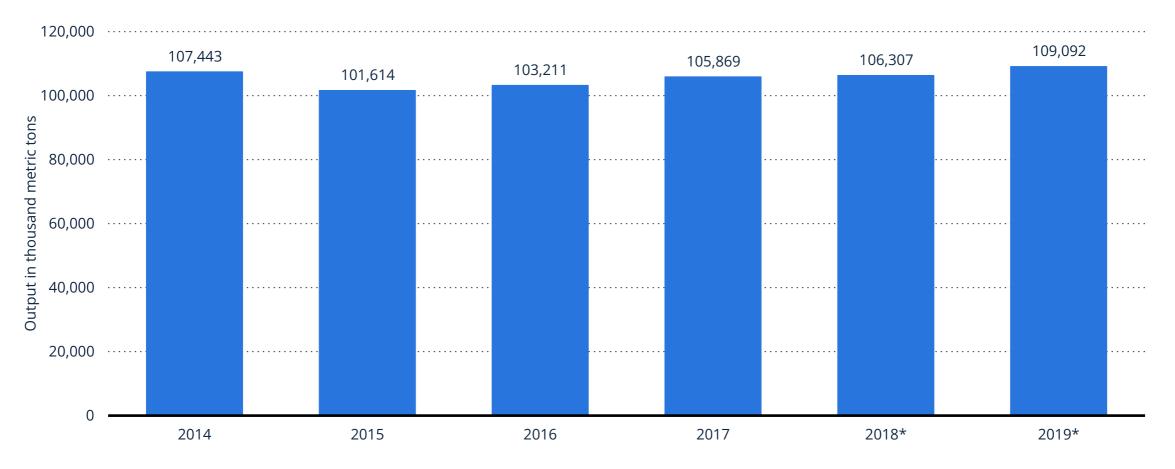




Note(s): Africa; 2023

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Refinery output of oil products in Africa 2014-2019



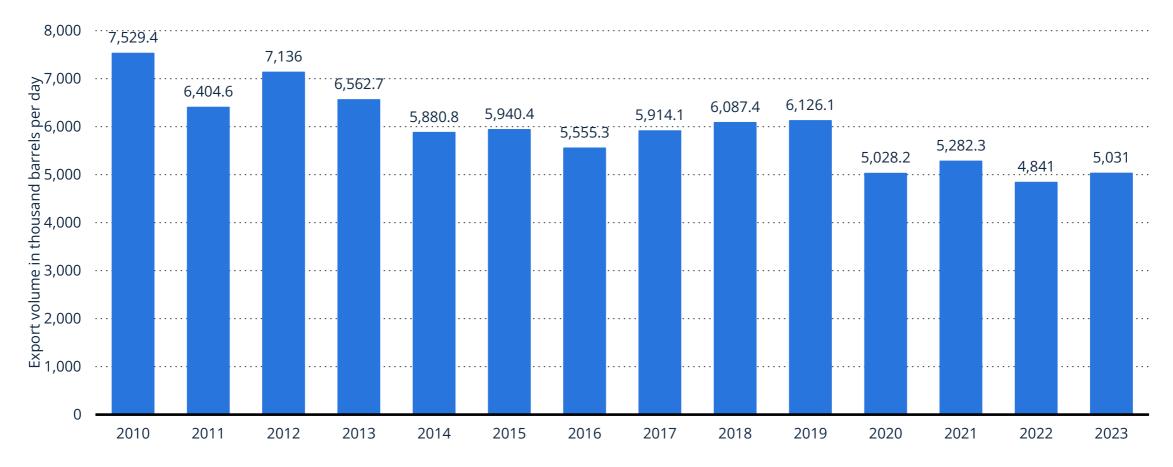


CHAPTER 04

International trade

Export volume of crude oil from Africa between 2010 and 2023 (in 1,000 barrels per day)

Export volume of crude oil from Africa 2010-2023

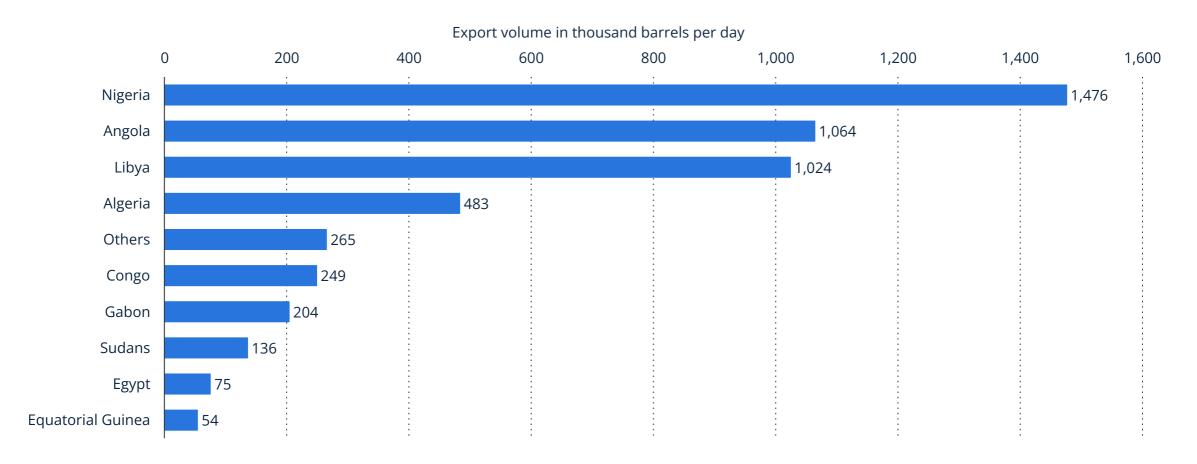




Source(s): OPEC

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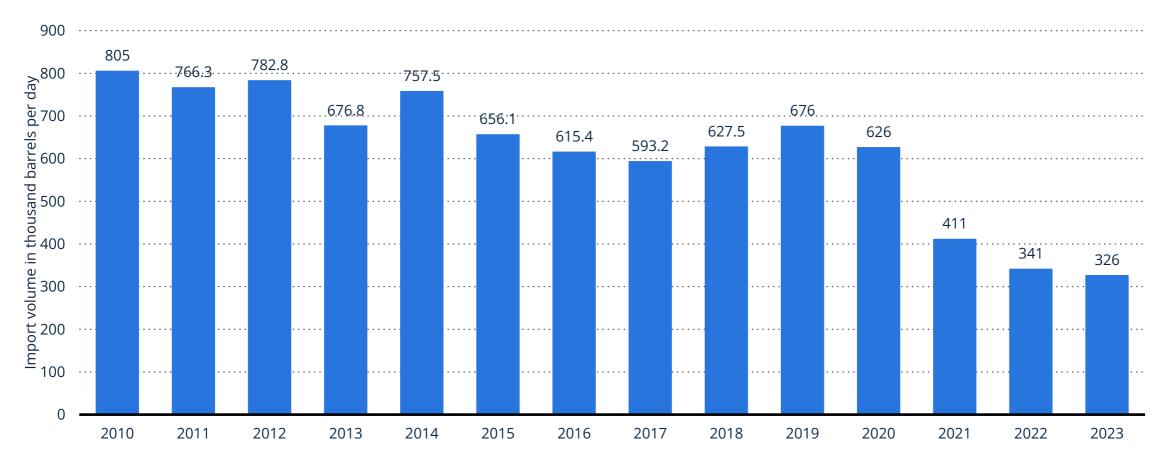
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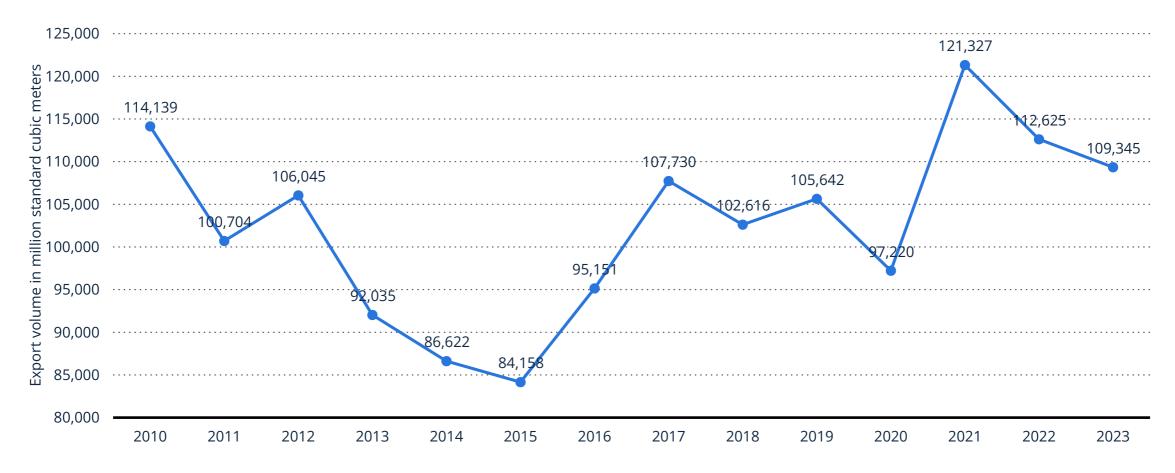




Source(s): OPEC

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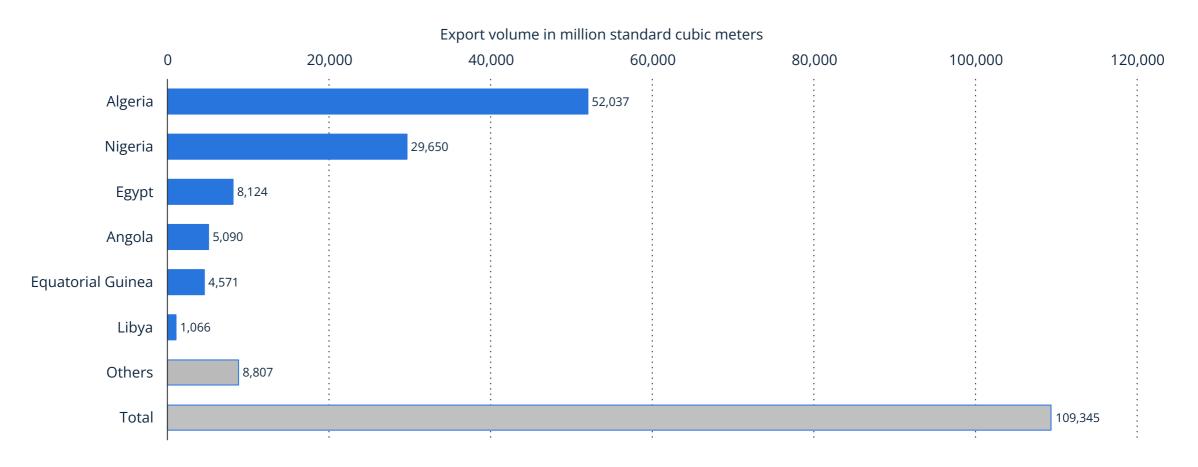
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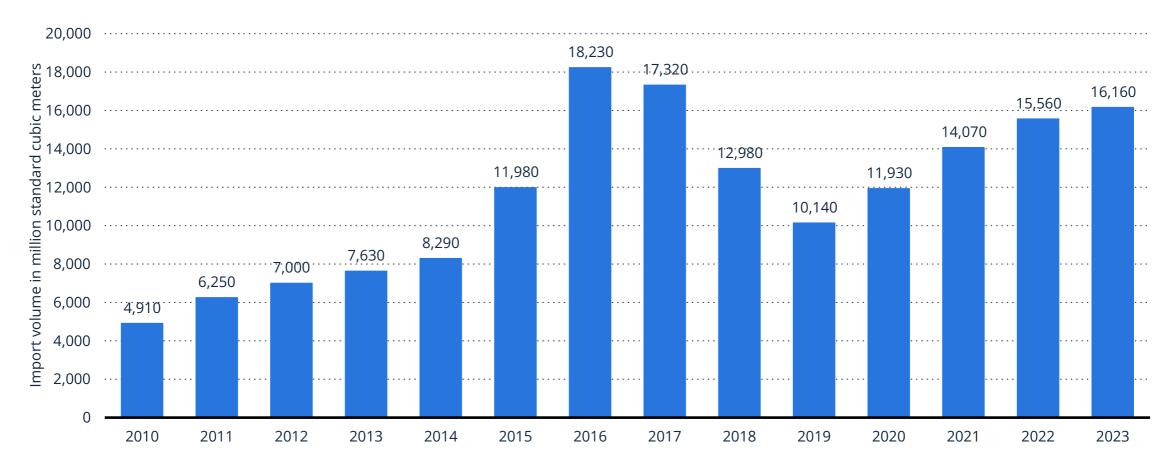
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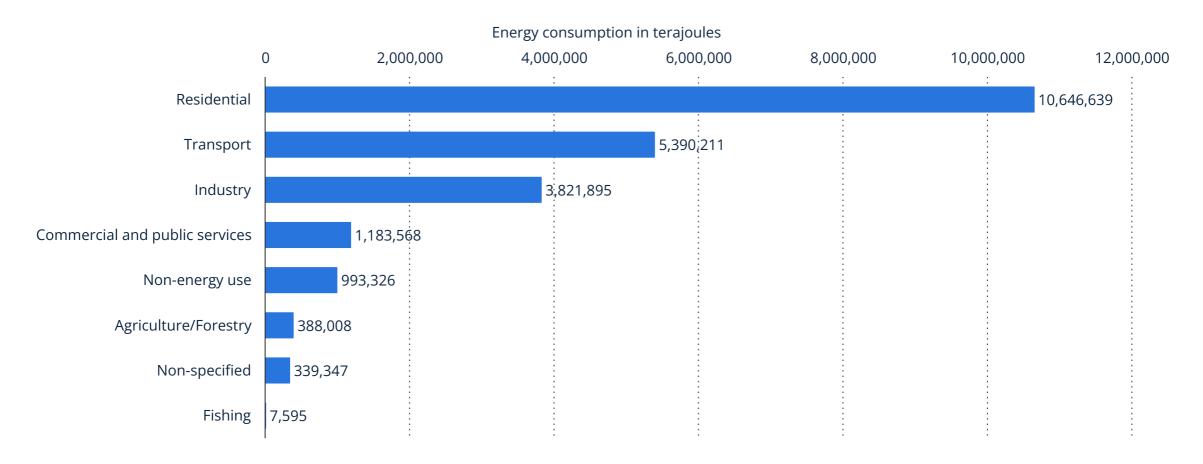


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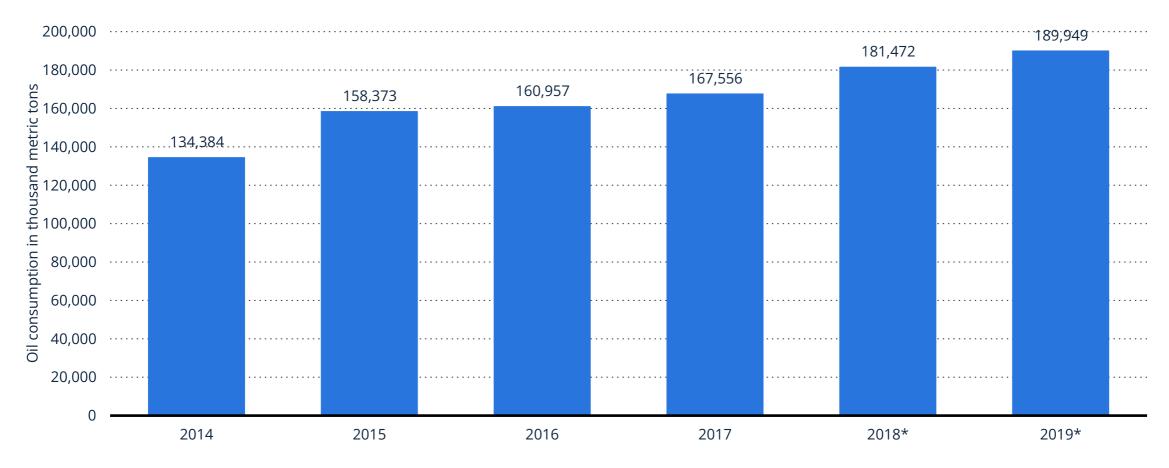
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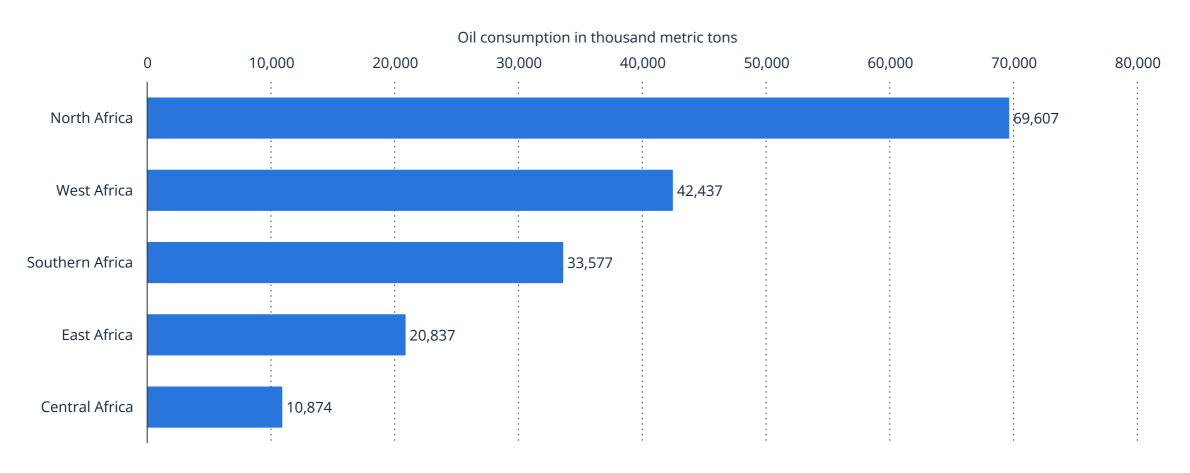
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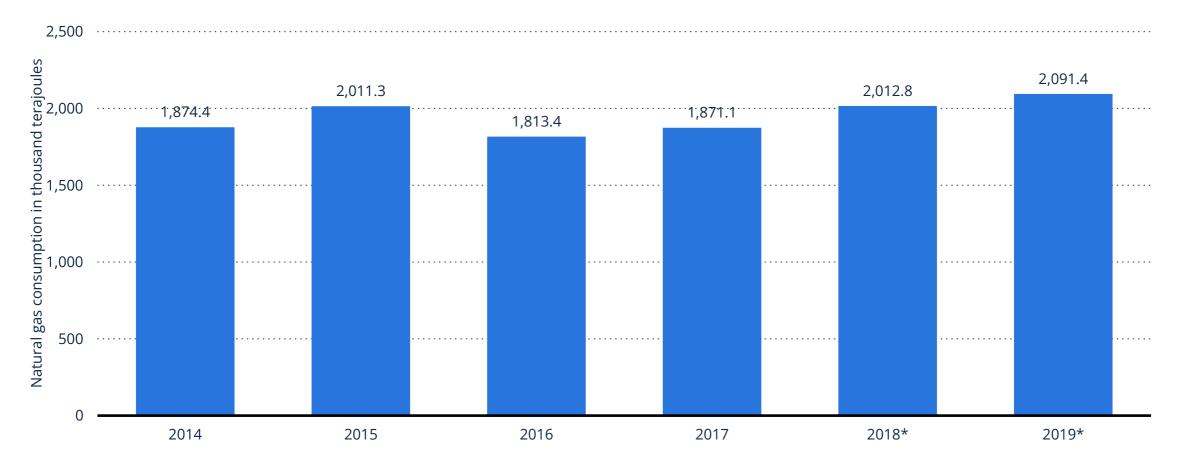
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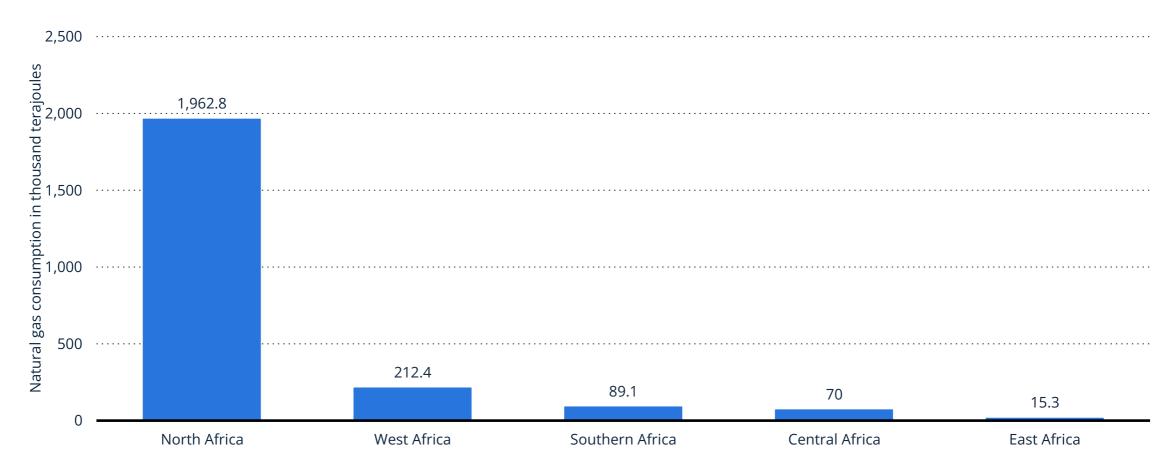
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CHAPTER 06

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Selected figures about the fossil fuels industry in Nigeria in 2023

Nigeria's fossil fuels industry select information 2023

	2023
Proven crude oil reserves (in million barrels)	37500
Crude oil production (in 1,000 barrels per day)	1187
Oil demand (in 1,000 barrels per day)	484
Crude oil exports (in 1,000 barrels per day)	1476
Proven natural gas reserves (in billion cubic meters)	5943
Marketed production of natural gas (in million cubic meters)	42403
Natural gas exports (in million cubic meters)	29650
Output of petroleum products (in 1,000 barrels per day)	17
Exports of petroleum products (in 1,000 barrels per day)	3





Selected figures about the fossil fuels industry in Algeria in 2023

Algeria's fossil fuels industry select information 2023

	2023
Proven crude oil reserves (in million barrels)	12200
Crude oil production (in 1,000 barrels per day)	973
Oil demand (in 1,000 barrels per day)	472
Crude oil exports (in 1,000 barrels per day)	483
Proven natural gas reserves (in billion cubic meters)	4504
Marketed production of natural gas (in million cubic meters)	104275
Natural gas exports (in million cubic meters)	52037
Output of petroleum products (in 1,000 barrels per day)	657
Exports of petroleum products (in 1,000 barrels per day)	515





Selected figures about the fossil fuels industry in Angola in 2022

Angola's fossil fuels industry selected figures 2022

	2022
Proven crude oil reserves (in million barrels)	2550
Crude oil production (in 1,000 barrels per day)	1137
Oil demand (in 1,000 barrels per day)	152
Crude oil exports (in 1,000 barrels per day)	1085
Proven natural gas reserves (in billion cubic meters)	129
Marketed production of natural gas (in million cubic meters)	5505
Natural gas exports (in million cubic meters)	7540
Output of petroleum products (in 1,000 barrels per day)	48
Exports of petroleum products (in 1,000 barrels per day)	22





Selected figures about the fossil fuels industry in Libya in 2023

Libya's fossil fuels industry select information 2023

	2023
Proven crude oil reserves (in million barrels)	48363
Crude oil production (in 1,000 barrels per day)*	1189
Oil demand (in 1,000 barrels per day)	200
Crude oil exports (in 1,000 barrels per day)	1024
Proven natural gas reserves (in billion cubic meters)	1505
Marketed production of natural gas (in million cubic meters)	11750
Natural gas exports (in million cubic meters)	1066
Output of petroleum products (in 1,000 barrels per day)	112
Exports of petroleum products (in 1,000 barrels per day)	91



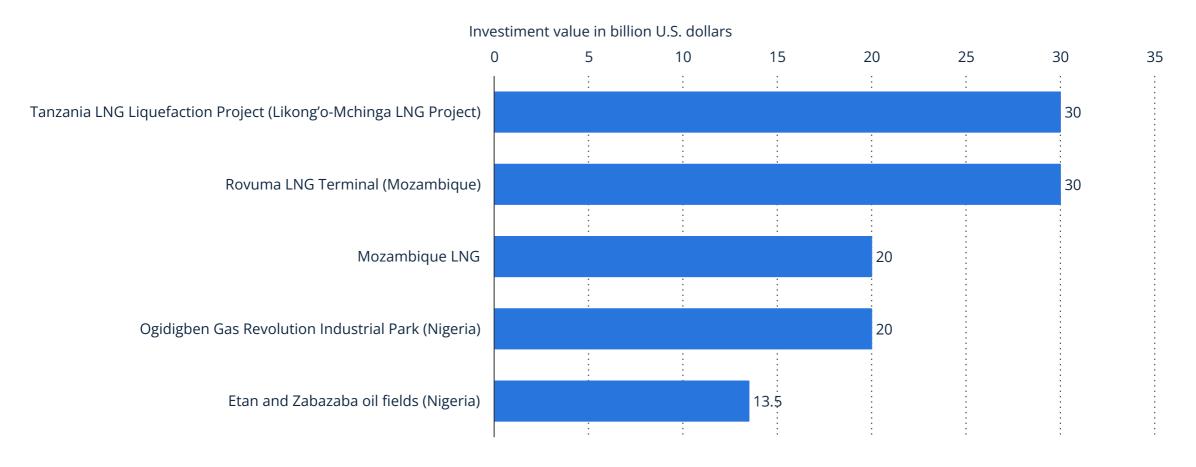


CHAPTER 07

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Leading oil and gas projects in Africa as of 2021, by investment value (in billion U.S. dollars)

Major oil and gas projects in Africa 2021, by investment value





Leading oil and gas discoveries in Africa as of 2019, by estimated resources (in million barrels of oil equivalent)

Leading oil and gas discoveries in Africa 2019

Asset, main resource (country, operator)	Resources in million barrels of oil equivalent
Orca MR, Gas (Mauritania, BP)	1323.85
Brulpadda ZA, Sum (SouthAfrica, Total)	562.46
Afina GH, Gas (Ghana, Springfield E&P)	291.89
Agogo AO, Liquids (Angola, Eni)	244.12
Obiafu 41 NG, Gas (Nigeria, Eni)	95.29
GNN EG, Gas (Egypt, PetroGulf Misr)	89.86
Agidigbo AO, Liquids (Angola, Eni)	87.35
GNN EG, Liquids (Egypt, PetroGulf Misr)	80.76
Agogo (EPF Phase 1 & 2) AO, Liquids (Angola, Eni)	73.36
Akoma GH, Gas (Ghana, Eni)	71.72



Upcoming liquids projects in Africa as of 2020, by estimated resource volume (in million barrels of oil equivalent)

Upcoming liquids projects in Africa by resource volume 2020

Project, operator (Location, Start-up)	Resources in million barrels of oil equivalent*
Tilenga, Total (Uganda, 2025)	945
Bosi, ExxonMobil (Nigeria, 2029)	790
BongaNorth, Shell (Nigeria, 2031)	700
Bonga Southwest Aparo, Shell (Nigeria, 2028)	630
Owowo West, ExxonMobil (Nigeria, 2027)	550
Etan Zabazaba, Eni (Nigeria, 2032)	520
Pecan, Aker Energy (Ghana, 2025)	335
Chissonga, Total (Angola, 2029)	290
Kingfisher South, CNOOC (Uganda, 2025)	270
Agogo FFD, Eni (Angola, 2025)	245
SNE, Woodside (Senegal, 2023)	220
South Lokichar Phase 1, Tullow Oil (Kenya, 2025)	220





Source(s): Rystad Energy

Upcoming natural gas projects in Africa as of 2021, by estimated resource volume (in million barrels of oil equivalent)

Upcoming natural gas projects in Africa by resource volume 2021

Project, operator (Location)	Estimated start-up year	Estimated resources in million barrels of oil equivalent
MZLNG Joint Development (T1 - T2), ExxonMobil (Mozambique)	2023	4625
Area 1 LNG (T1 - T2), Total (Mozambique)	2026	3590
Area 4 LNG (T1 - T2), ExxonMobil (Mozambique)	2028	2330
Yakaar - Teranga LNG Hub, BP (Senegal)	2033	2145
NLNG Seven Plus, Shell (Nigeria)	2024	1450
Greater Tortue Ahmeyim LNG Hub, BP (Mauritania)	2027	1480
Djibouti FLNG T1, Poly GCL Petroleum Investment Ltd (Ethiopia)	2029	520
Assa North, Shell (Nigeria)	2028	415
Tinrhert Gas Project, Sonatrach (Algeria)	2024	385



