



Africa OPEX Report

January • 2025

Executive summary

Energy growth in Africa saw a shift in interest as the same number of projects were equally commissioned in both renewables and oil and gas sectors across Africa in 2024. The change in the energy landscape was driven by the need to provide access to electricity to 600 million people which is equivalent to 43% of the total population in Africa. In 2024, 424.3 MW of solar and 821 MW of wind power were added into the capacity bringing the total capacity of renewables in



Africa to approximately 21 GW. However, this number was largely attributed to the rapid development of renewable projects in Northern African countries and South Africa. According to the International Energy Agency, Africa needs to acquire \$190 million in yearly investment between 2026 and 2030 to guarantee that the renewables sector continues to thrive. Numerous investments for carbon capture and hydrogen projects have been made in various African countries such as Kenya and South Africa, scheduled to become operational between 2025 and 2030.



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In 2024, the oil and gas sector in Africa witnessed the commissioning of nine upstream, two midstream, and one downstream projects. Upstream activity is particularly active in Southern and Western Africa, with countries like Angola and Nigeria launching bidding rounds for oil and gas concessions. Four of the nine upstream projects were the commissioning of newly-producing fields while the other five projects involved the expansion and redevelopment of existing fields. Besides that, two midstream projects involving pipelines have come online in Libya and Niger. Also, the refining sector in Africa is expected to revive, as newly operational refineries such as Sentuo Oil Refinery begin production and recommissioning of previously inactive refineries such as Tema Refinery and Astron Refinery.

Decommissioning in Africa has been active with one decommissioning project each in upstream and pipeline sectors currently in progress. 2024 also saw the completion of plug and abandonment campaigns for wells in Banda and Tiof fields, offshore Mauritania. Also, coal and oil-fired power plants are being decommissioned across Africa although there is no news on coal phase-out as most countries still rely on these power plants to provide electricity while transitioning into cleaner energy. Besides that, our report finds that approximately 70% of hydropower plants in Africa are operating beyond their operational lifespan and these facilities are in dire need of modernization or upgrades.



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