

## ContainerPower Energy Solutions

# Angola Vanadium Energy Storage Project



## Overview

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When will Angola's Cabinda refinery start production?

The first phase of Angola's Cabinda Refinery, an integrated modular oil refining platform, will start production in 2024. Initially producing 30,000 barrels per day (bpd), output will increase to 60,000 bpd at peak production. The facility is set to meet up to 10% of the country's fuel demand. Angola Green Hydrogen.

What is next source materials' 'Green Giant vanadium' project?

Canada-based Next Source Materials is in advanced exploration stage of its Green Giant Vanadium Project in Madagascar, which is one of the world's largest known vanadium deposits. Like lithium, current market challenges for vanadium are unlikely to persist long-term.

What is vanadium used for?

Defense industry: Vanadium is essential for producing special alloys used in missiles, armored vehicles, tanks and artillery systems. VFB advantages over lithium-ion batteries: More environmentally friendly because more easily recyclable, durable, and because their production emits less CO<sub>2</sub>.

What is Angola's Green Hydrogen Project?

Angola's landmark green hydrogen project will begin producing and exporting green hydrogen to Germany in 2024, making the project the first of its kind in Africa to supply Europe with the resource. Powered by hydroelectricity, the 400 MW project is being developed by national oil company Sonangol alongside German firms Gauff and Conjuncta.

How much oil does Angola produce a day?

Representing one of the leading producers in Africa, Angola's oil production is expected to remain steady at approximately 1.1 million barrels per day in 2024. While billion-dollar gas projects progress, developments across the

renewable, power and infrastructure sectors have also advanced, with several anticipating a 2024 start. Cabinda Refinery.

Why did Glencore cut production of vanadium pentoxide in 2024?

Unfavorable market conditions also pushed Swiss commodity trader Glencore, which owns Rhovan Vanadium Mine and a processing plant in South Africa, to cut production of vanadium pentoxide by 6% in 2024, compared to the previous year.

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