



Premium Insights | Updated July 28, 2023

# Power plant profile: Theun Hinboun (Nam Theun), Laos

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Hydro

**T**heun Hinboun (Nam Theun) is a 460MW hydro power project. It is located on Nam Theun river/basin in Khammouan, Laos. **According to GlobalData, who tracks and profiles over 170,000 power plants worldwide, the project is currently active. It has been developed in multiple phases. The project construction commenced in 1994 and subsequently entered into commercial operation in 1998. [Buy the profile here.](#)**

## Project details

Project Type	Hydropower
Total Capacity (MW)	460
Active Capacity (MW)	460
Pipeline Capacity (MW)	-
Project Status	Active
Project Location	Khammouan, Laos
Project Developer	Theun-Hinboun Power

Source: GlobalData Power Intelligence Center

## Description

The project was developed by Theun-Hinboun Power. Electricite du Laos, GMS Power Public and SN Power are currently owning the project having ownership stake of 60%, 20% and 20% respectively.

Theun Hinboun (Nam Theun) is a run-of-river project. The gross head and net head of the project are 235m and 230m respectively. The penstock length is 840m. The penstock diameter is 5m. Theun Hinboun (Nam Theun) (Theun Hinboun (Nam Theun) - Active) underwent through rehabilitation & modernization during 2013-2017.

## Development status

The project construction commenced in 1994 and subsequently entered into commercial operation in 1998.

## Power purchase agreement

Electricite du Laos and Electricity Generating Authority of Thailand are the power offtakers from the project.

## Contractors involved

Theun Hinboun (Nam Theun) (Theun Hinboun (Nam Theun) - Active) is equipped with Rainpower francis turbines. The phase consists of 2 turbines with 120MW nameplate capacity.

Theun Hinboun (Nam Theun) (Theun Hinboun Expansion) is equipped with Andritz Hydro francis turbine. The phase consists of 1 turbine with 220MW

nameplate capacity.

GE Renewable Energy supplied 2 electric generators for the Theun Hinboun (Nam Theun) (Theun Hinboun (Nam Theun) - Active). The generator capacity is 126 MVA.

Andritz Hydro supplied 1 electric generator for the Theun Hinboun (Nam Theun) (Theun Hinboun Expansion). The generator capacity is 245 MVA.

[Statkraft](#) is the O&M contractor for the hydro power project.

For more details on Theun Hinboun (Nam Theun), [buy the profile here](#).

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[GlobalData](#), the leading provider of industry intelligence, provided the underlying research used to produce this article.

This information is drawn from [GlobalData's Power Intelligence Center](#), which provides detailed profiles of over 170,000 active, planned and under construction power plants worldwide from announcement through to operation across all technologies and countries worldwide.

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