

Thailand

Kingdom of Thailand

A Bright Smile for Hydropower

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With a well-developed infrastructure, a free-enterprise economy, reforms and generally pro-investment policies Thailand has historically had a strong economy.

The country has a technically feasible potential for hydro generation of about 13,500 GWh, thereof 40% are already developed. Thailand's power generation mix is dominated by oil and natural gas, hydro has a share of only 5%.

ANDRITZ HYDRO in Thailand

For more than 50 years, ANDRITZ HYDRO has been active in the Thai hydropower market. As of today, ANDRITZ HYDRO has installed or rehabilitated more than 30 units with a total capacity of 1,400 MW, which represents about 40% of the country's installed hydro capacity.



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THAILAND FACTS

67.73 Mio.
100%
3,499 MW
532 MW
5%
5,400 GWh
13,564 GWh

Population
Access to electricity
Installed hydro capacity
Hydro capacity under construction
Share of generation from hydropower
Hydro generation
Technically feasible hydro generation potential

Hydropower & Dams World Atlas 2015 and The World Bank

HPP Srinagarind: In 2015, ANDRITZ HYDRO received a contract for the renovation of units 1–3 with an output of 120 MW each. In total HPP Srinagarind comprises five generating units with a total capacity of 720 MW.

The scope of supply includes Francis runners, generators, governors, automation system, associated electro-mechanical equipment, and mechanical auxiliaries, as well as transportation, installation, and commissioning. Completion of the project is scheduled for 2019.

HPP Nam Pung: In March 2014, Electricity Generating Authority of Thailand (EGAT) awarded a contract to ANDRITZ HYDRO for the modernization of two 3.15 MW Francis units at the Nam Pung hydropower plant.

ANDRITZ HYDRO provides design, manufacturing, delivery, installation, and commissioning of the runner, generator, mechanical auxiliaries, and electrical auxiliary systems.

Commissioning of the last unit is scheduled for April 2017.

Further important orders for ANDRITZ HYDRO were Sirikit 1 (150 MW), Sirikit 2 (150 MW), Sirikit 3 (150 MW), and Bhumibol (192 MW).

In order to increase electricity generation from a sustainable and environmental-friendly resource in the future, the development of small- and medium-scale hydropower plants, as well as the upgrading of existing plants should be encouraged. ANDRITZ HYDRO has the references and experience to support this development. ■

► Powerhouse of Srinagarind hydropower plant and Kwai Yai River

