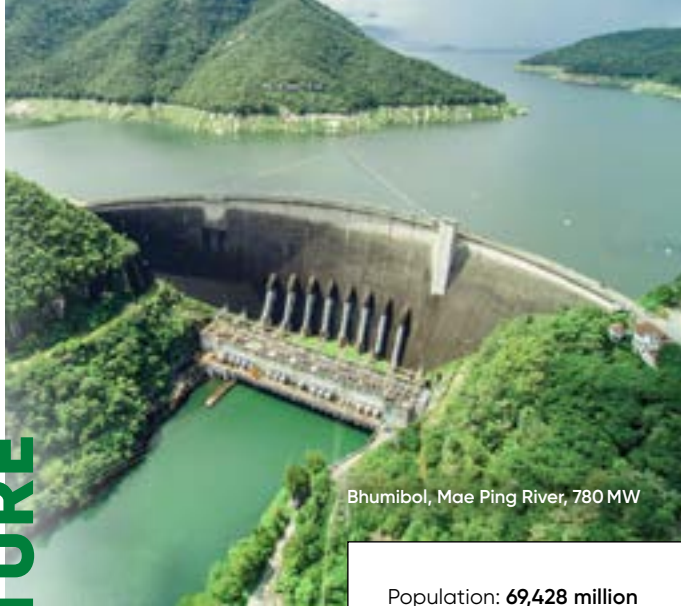
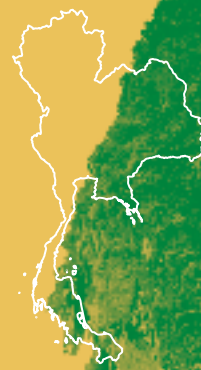


# PILOTING TO A LOW-CARBON FUTURE



Bhumibol, Mae Ping River, 780 MW



THAILAND

## GENERAL FACTS

Population: **69,428 million**  
Access to electricity: **100%**  
Installed hydro capacity: **3,561 MW** incl. PSPP  
Hydropower under construction: **28 MW**  
Share of generation from hydropower: **2.5%**  
Hydro generation per year: **7,598 GWh** incl. PSPP  
Technically feasible hydro generation potential per year: **13,564 GWh**

### ANDRITZ Hydro:

Total installed / rehabilitated units: **41**  
Total installed / rehabilitated capacity: **1,841 MW**

Considered a newly industrialized country, Thailand's economic growth is due to well-developed infrastructure, economic reform and pro-investment government policies.

Technically feasible annual hydropower potential is 13,564 GWh with 75% already utilized. Installed hydro capacity is about 3,561 MW and 26 plants are owned and operated by Electricity Generating Authority of Thailand (EGAT) with around 70 MW - some 40 small and mini hydro plants - operated by Department of Alternative Energy Development and Efficiency and Provincial Electric Authority.

Under the Power Development Plan, a total installed energy capacity of 73,211 MW is targeted by 2037. Development is focusing on renewables like solar and wind, leading to an increased demand for hydropower to provide grid stability services. If the target is achieved, 11% of the installed capacity by 2037 will come from hydropower too.

### ANDRITZ HYDRO IN THAILAND

ANDRITZ has been active in Thailand for more than 50 years. Over this time 41 units

with a total capacity of 1,841 MW have been installed or rehabilitated by ANDRITZ, representing about 40% of the country's total installed hydro capacity.

**Srinagarind:** In 2015, ANDRITZ was awarded the contract for the rehabilitation of three 120 MW Francis units, generators, governors, automation system, associated electro-mechanical equipment, and mechanical auxiliaries, as well as installation, and commissioning. Project completion is expected by July 2020.

**Bhumibol:** In 2018, the contract for the refurbishment of the generator of unit 1n

2018, ANDRITZ was awarded the generator refurbishment contract for unit #7, including engineering design, manufacturing and supply, installation, testing and commissioning of a three-phase synchronous generator and all related electro-mechanical auxiliary systems. Project completion is due in July 2020.

**Pa Chuck:** In 2018, ANDRITZ won the contract for the supply of an electro-mechanical "from water-to-wire" package with two Bulb turbine units (14 MW).

### AUTHOR

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Contract signing for Pha Chuck, Mae Nam Nan, 14 MW



Srinagarind, Kwai Yai River, 720 MW

