Srinagarind is the first multipurpose dam under the Development of Mae Klong River Basin Project.

SRINAGARIND, THAILAND

Green energy for the Kingdom of Thailand

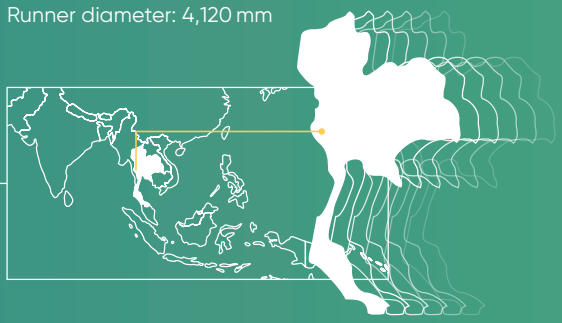
February 2019: The first unit for the Srinagarind project was completed, working together with the team at local utility EGAT. The unit is in commercial operation and operating successfully in the warranty period.

The scope of the contract for ANDRITZ Hydro included rehabilitation of three Francis units including generator replacement, turbine upgrade with a new runner, replacement of the cooling water and mechanical auxiliary systems, as well as replacement of the electrical equipment, transformers, and SCADA system.

Unit #2 is also due to start operation in 2019. As per the schedule the last unit will be completed in 2020.

TECHNICAL DETAILS

Total output: 720 MW
Scope: 3 × 144 MW (150 MVA)
Head: 105 m
Voltage: 14 kV
Speed: 166.7 rpm
Runner diameter: 4,120 mm



SY-SIMA, NORWAY

World's largest MicroGuss* Pelton runner

June 2019: The first out of two units have been successfully commissioned at Sy-Sima. Post commissioning on-site efficiency measurements show good results and confirm good margins beyond the guaranteed performance values.

Scope of contract for ANDRITZ Hydro included supply, design, engineering, manufacturing, installation, and commissioning of both Pelton runners, including a full homologous model test.

The full model test prior to manufacturing was completed in our laboratory in Vevey, Switzerland. Manufacturing was performed at the ANDRITZ Hydro workshop in Ravensburg, Germany. With an outer diameter of 5,020 mm, Sy-Sima has the largest Pelton runners manufactured with MicroGuss* welding technology in the world.

TECHNICAL DETAILS

Total output: 630 MW
Scope: 2 × 315 MW
Head : 885 m
Speed: 300 rpm
Runner diameter: 5,020 mm