NEW PROJECTS

YEN NGHIA

BIG IN VIETNAM

VIETNAM – Vietnam has a sub-tropical climate with a three-month rainy season characterized by the monsoon's heavy storms. These cause rivers and streams to burst their banks and widespread flooding. As a result, over the last decade hundreds of people have lost their lives and countless more have lost their homes.

In order to contain the most severe effects of the monsoon, the Vietnamese Ministry of Agriculture and Rural Development has launched numerous flood control projects. The Yen Nghia project marks the beginning of this initiative. By the end of 2018 the biggest flood discharge pumping station in the country will be built to the southwest of the capital Hanoi, home to about 6.4 million inhabitants.

The Yen Nghia pumping station has been specifically designed and built for flood control applications. This means that the pumps are only activated in case of need, but then have to work with 100% reliability, pumping large amounts of water at low head in the shortest time possible.

ANDRITZ is supplying 10 vertical line shaft pumps for the Yen Nghia project, due for delivery in March 2018. The scope of supply includes the construction, manufacturing, transport, and installation supervision of the 10 pumps in Vietnam as well as spare parts. Each pump has an robust axial hydraulic design in order to withstand the passage of diverse materials washed away by floods. Each pump conveys up to 15 m^3 of water per second.

The required performance test of the pumps will be conducted at the bench facilities of Vietnamese company Hai Duong Pump Manufacturing JSC (HPMC), which is responsible for the supply of the entire electro-mechanical equipment for the Yen Nghia station. ANDRITZ has signed an exclusive distribution contract for large pumps with HPMC for Vietnam, Cambodia, and Lao PDR. This forms the basis for receipt of further common projects in the future.

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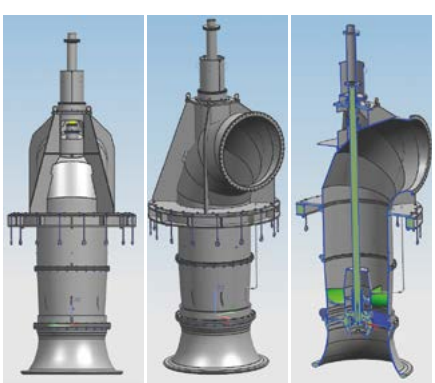
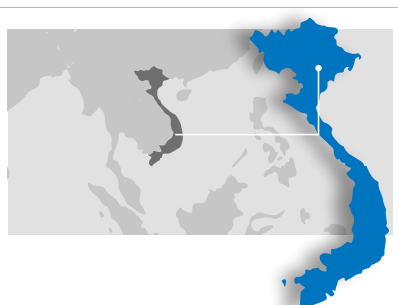


Drawing of the vertical line shaft pump



Yen Nghia | Vietnam

Technical data:

Impeller diameter:	2,040 mm
Head:	4.9 m
Flow:	13.2 m^3/s
Engine performance:	1.25 MW