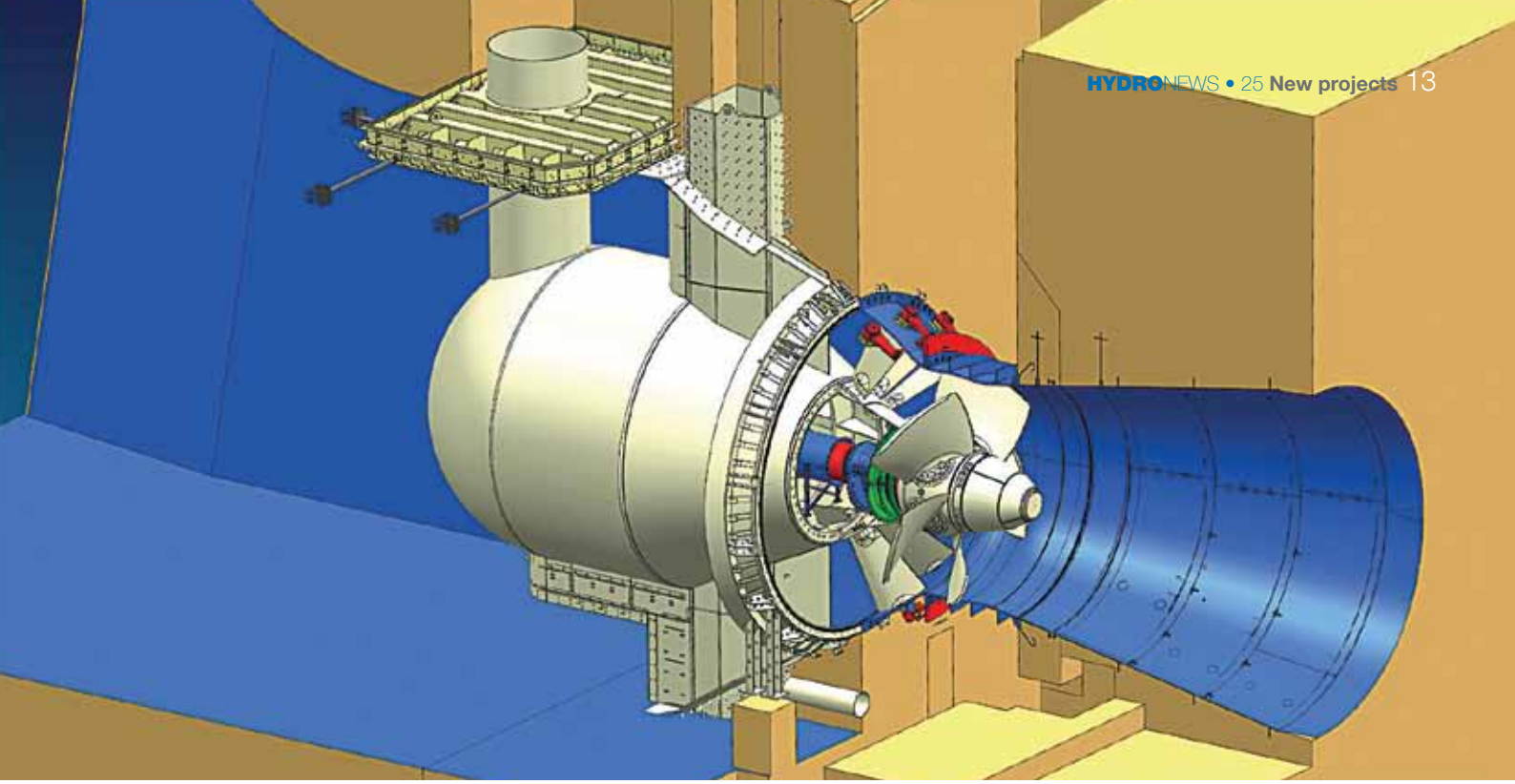

▲ Schematic drawing of turbine

Nam Lik 1

New Order for a hydropower plant in the Lao People's Democratic Republic

In June 2013 ANDRITZ HYDRO signed a contract with POSCO Engineering and Construction Company Ltd. (POSCO E&C) for the supply, erection and commissioning of the electromechanical equipment for the Nam Lik 1 hydropower plant in the Lao People's Democratic Republic.

HPP Nam Lik 1 is located 90 km north of Vientiane in the province of Vientiane, Laos, downstream from the Nam Lik 1-2 dam. It was designed to regulate the outflow within the river as an environmental protection measure.

ANDRITZ HYDRO's scope of supply includes two 32.25 MW bulb turbines, horizontal generators, mechanical auxiliaries, electric power systems, gates and additional equipment.

The Nam Lik 1 hydropower project is being developed by a four-member consortium, consisting of Nam Lik 1 Power Company Ltd, PTT International Company Ltd, Hydro Engineering Company Ltd. and POSCO Engineering and Construction Company Ltd. (POSCO E&C). ANDRITZ HYDRO's client, POSCO E&C, is the appointed EPC contractor as well.

An important aspect of the final decisions to award ANDRITZ HYDRO the contract was its global leadership in bulb turbine technology, technical competence, the high quality of equipment and services supplied, and especially all running reference projects in Laos (HPP Huay Ho, HPP Nam Theun 2, HPP Theun Hinboun, HPP Theun Hinboun Extention, HPP Xekaman 3, etc.).

The electricity, generated by HPP Nam Lik 1, will be supplied directly into the national grid for domestic use. It will make an important contribution to the security of electricity supply and opens up the future potential to boost economic growth in Vientiane province. The two bulb turbine units of HPP Nam Lik 1 will have a total installed capacity of 64.5 MW and will meet the electrical energy demands of approximately 200,000 people in Laos from renewable resources.

HPP Nam Lik 1 will be put into operation in 2016.

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TECHNICAL DATA
Output: 2 x 32.25 MW/39.3 MVA
Head: 22.31 m
Speed: 166.7 rpm
Runner diameter: 4,500 mm