

# Yaupi Hydropower Plant

## THE PLANT AND OPERATION:

The Yaupi HPP is the plant with the largest capacity in SN Power Peru. It is located at 1,328 masl in the village of Yaupi. The water from the Paucartambo river, which will supply the plant, are taken at the Yuncan Intake. After passing the desander, the water is conveyed through a 12 km-long headrace channel up to the Valve Chamber. The tunnel ends in two penstocks that supply to the five units in the powerhouse.

## FACTS

In view of the rapid growth of the mining complex of La Oroya – Peru during the first decades of the 20th century, and the need to increase the supply of energy, the first 3 units of 21.6 MW each started operating in 1957, and 2 similar units were incorporated in 1967. After undergoing several changes and mergers, the Yaupi HPP became property of PSEG Global. Subsequently, in October 2007, PSEG Global reached an agreement with a subsidiary of Statkraft Norfund Power Invest (SN Power) for the sale of their shares, and the Yaupi HPP became property of the SN Power group in Peru.

<b>DEPARTMENT:</b>	Junín
<b>PROVINCE:</b>	Junín
<b>DISTRICT:</b>	Ulcumayo
<b>WATER SOURCE:</b>	Paucartambo river watershed
<b>INSTALLED CAPACITY:</b>	108.00 MW
<b>EFFECTIVE CAPACITY:</b>	110.20
<b>TYPE:</b>	Hydropower
<b>§ ANNUAL OUTPUT:</b>	734 GWh
<b>GROSS HEAD:</b>	527 m
<b>DESIGN FLOW:</b>	26.6 m <sup>3</sup> /s
<b>EQUIPMENT:</b>	Powerhouse, 5 generation units, Pelton turbines with two nozzles and horizontal shaft
<b>CONSTRUCTION:</b>	Completed in 1957
<b>START-UP:</b>	1957

## SUSTAINABLE DEVELOPMENT:

The Yaupi hydropower plant is located in the high jungle, in a remote and difficult-to-access area. As a result, SN Power provides medical attention to villagers from nearby communities in cases of emergency at the medical station located inside the plant. At the same time, SN Power provides educational support through the handing out of school supplies to educational entities during the school season in the local area, as well as presents to children as part of the Christmas activities.

