



▲ View of Bajina Bašta hydropower station



▲ Handing over ceremony

# Bajina Bašta

## Final taking over of last unit in Serbia

**In November 2007 Serbia's state-owned hydropower provider EPS (Electric Power Industry of Serbia) awarded a contract to ANDRITZ HYDRO for the refurbishment of the run-of-river power station Bajina Bašta. The investment was made by Drinsko Limske power plants Bajina Bašta (DLBB), the owner of the hydro power plant, in cooperation with the Germany-based KfW Bank. The refurbishment of the 4 x 105.6 MW hydropower station was successfully completed recently.**

HPP Bajina Bašta is located on the Drina River, on the border between Bosnia and Serbia. With 420 MVA it is the second largest hydropower plant in Serbia and was originally commissioned in 1966. A pumped storage plant on the same location increases the total output to approximately 1,000 MW. The power plant covers approximately 8% of the country's total electricity demand.

HPP Bajina Bašta refurbishment project consists of design, uprating, manufacturing, transport, installation and commissioning of four 105.6 MW Francis turbines, generators, control and excitation systems, main transformers, medi-

um voltage and outdoor high voltage switchgear.

The refurbishment of the fourth and last unit of HPP Bajina Bašta brought this important project to a successful end. Despite many difficulties that occurred during implementation, like damage during transportation of one of the completely new power transformers, the works were completed on time and to the full satisfaction of DLBB.

After refurbishment the output increased by 13% and the annual energy generation rose by 40 GWh. Two of the four units are also operating back-to-back with two 315 MVA pump storage units. As a result of the refurbishment works, the vibration behavior of the original units was also significantly improved.

In October 2013, the official handing-over ceremony of the fourth unit to the owner took place. The Serbian Prime Minister Mr. Ivica Dačić, the German Ambassador in Serbia, government officials of the Serbian State and senior management members of EPS/DLBB, as well as journalists were amongst the attendees. With the successful

and timely completion of this project ANDRITZ HYDRO has again proven its leading position as a supplier of equipment for hydroelectric plants.

Gerhard Emsenhuber  
Phone: +43 50805 53612  
gerhard.emsenhuber@andritz.com

### TECHNICAL DATA

Output: 4 x 105.6 MW/109.5 MVA

Voltage: 15.56 kV

Head: 66.5 m

Speed: 136.4 rpm

Runner diameter: 4,336 mm

#### Step-up transformers:

Output: 4 x 112 MVA

Voltage: 15.56 kV/242 kV

