

FROM: Mavel, a.s.  
Jana Nohy 1237  
256 01 Benesov, Czech Republic



CONTACT: Laurie Sigmund  
617.242.2204  
Laurie@mavel.cz

## **FIVE MAVEL PIT TURBINES COMMISSIONED AT 24 MW POLOTSKAYA HYDROELECTRIC POWER PROJECT**

**Benešov, Czech Republic – 19 May 2017** – M a v e l, a.s. (“Mavel”) announced the commissioning of RUP Vitebskenergo’s 24 MW Polotskaya Hydroelectric Power Project (“Polotskaya HPP”) in the Republic of Belarus. The greenfield site, located on the West Dvina River, houses five double-regulated Mavel PIT Turbines. Mavel also provided generators, hydraulic units, gearboxes, control systems as well as assembly and commissioning technical services.



**The Weir at the Polotskaya HPP**

Polotskaya HPP, with installed power of 24 MW, has nominal head of 7.7 meters and total flow of 325 cubic meters per second. The project, utilizing five Mavel Kaplan PIT type KP3000K4 turbines, is the latest example of Mavel’s expertise in low head, high flow sites.

According to Ing. Jan Sip, Mavel’s Director of Development, “Mavel has built an unparalleled expertise in Kaplan turbines designed to maximize the power and minimize civil costs at low head sites through its experience over the past 25 years in the provision of equipment to developments in Central Europe.

Mavel has completed projects on the Vltava River in the Czech Republic, the Odra River in Poland, the Zwickau Mulde River in Germany and, now, a new installation on the West Dvina River in Belarus.”



**Views from within the Polotskaya HPP new powerhouse**

Polotskaya HPP is the second Mavel project in the Republic of Belarus and utilizes Mavel’s KP3000K4 Kaplan PIT turbine. Each of the turbines has a runner diameter of 3000 mm, four runner blades, and was designed and manufactured at Mavel’s Benesov, Czech Republic manufacturing facility and headquarters. In 2012, Mavel commissioned RUP Grodnoenergo’s 18 MW Grodnenskaya hydroelectric power project on the Neman River. This plant utilizes five similar KP3000K4 turbines.

Mavel’s Kaplan turbine line includes vertical, PIT, “S”, “Z” and bulb configurations with runner diameters up to 5.5 meters and power up to 30 MW per unit. Over the past 25 years, Mavel has either commissioned or signed orders for over 290 Kaplan turbines. Mavel’s PIT turbines have been installed at locations with rated head of under 2 meters. In addition to Kaplan, Mavel also supplies Francis, Pelton and modular micro turbines.

Mavel, a.s. is a global leader in the supply of turbines (Kaplan, Francis, Pelton and Micro) for hydroelectric power plants utilizing turbines with power from 30 kW to 30+ MW. Over the past twenty plus years, the company has installed or signed contracts for over 500 turbines at more than 300 sites in 41 countries around the world. Mavel designs and manufactures its turbines and related equipment at its ISO certified facilities in the Czech Republic.