



YOUR PARTNER IN HYDROPOWER SOLUTIONS

3.3 MW POLISH HYDRO POWER PLANT KOSCIUSZKO COMMISSIONED WITH THREE MAVEL HORIZONTAL KAPLAN TURBINES

Benesov, Czech Republic – 21 May 2003 - Mavel a.s., a Czech engineering and manufacturing company for small hydroelectric power plants, announced the successful commissioning of the 3.3 MW Kosciuszko hydro-electric power plant located on the Wisla River near Krakow, Poland. The new plant was completed at the end of April and has installed power of 3.3 MW using a water flow 100 m³/s.

Mavel was contracted by Polish firm Fundacja – Zaklad Wychowawczy im. Ks. Siemaszki to supply a complete 'water to wire' solution. The technological solution included three 2240 mm runner diameter horizontal Kaplan turbines with gear box drives and vertical synchronous generator.

The turbines were produced at Mavel's headquarter's facility in Benesov, Czech Republic. Each turbine has the following parameters:

- * maximum water flow: 33,30 M³s⁻¹
- * head 2,3 ~ 4,5 m
- * maximum power output: 1120 kW
- * runner diameter: 2240 mm
- * number of runner blades: 3
- * number of wicket gates: 16
- * turbine speed: 175 rpm

In addition, Mavel provided the three generators, hydraulic governors, a hydraulic gate system and cleaning machine.

Mavel a.s. provides engineering and technology, including Kaplan, Francis and Pelton turbines, for hydroelectric power plants from 2 kW to 20 MW. The company has two production facilities in the Czech Republic. Mavel is the parent company to CKD TurboTechnics, s r.o.

FOR ADDITIONAL

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