



www.mavel.cz

Jana Nohy 1237 - 256 01 Benešov, Czech Republic
121 Mount Vernon Street, Boston, MA 02108 USA

PRESS RELEASE

**Lovosice – Pistany Hydro Plant Innovative Powerhouse Design
Provides Protection During Summer Flooding in Europe**

Benesov, Czech Republic – 7 August 2013. Mavel, a.s. confirmed that for the second time in three years the powerhouse of the Lovosice – Pistany Hydroelectric Plant (Lovosice HPP) was submerged as the River Elbe flooded its banks during the extreme flooding that hit Europe in July of this year. When the waters finally receded the powerhouse restarted without incident within hours of operators reentry to the plant.



Lovosice HPP during the July 2013 Flooding of the River Elbe (Above) and During Normal Operations (Below)





www.mavel.cz

Jana Nohy 1237 - 256 01 Benešov, Czech Republic
121 Mount Vernon Street, Boston, MA 02108 USA

The project built on an existing existing lock and dam structure has head of 1.9 meters, total flow of 160 cubic meters per second. The owner RenoEnergie a.s, stipulated design requirements including a fish friendly design and a watertight powerhouse due to variations in river heights.

The plant, which as been in operation now for three years, utilizes four Mavel horizontal Kaplan double regulated PIT turbines type MAVEL KP3000K3. Mavel also supplied gearbox, generator, hydraulic, lubrication and cooling system, cleaning machine, trash racks and electrical and control systems.

Given the project's, close proximity to Mavel's headquarters in Benesov, Mavel expanded its role from solely an equipment supplier and undertook powerhouse and civil design in order to meet the owner's requirements.

Fish friendly. The power-plant design incorporates a fish ladder made of natural river stone. Further, Mavel's turbine, utilizing only three blades, reduces the potential for harm to fish.

Flood Protection. The powerhouse is designed and constructed to be closed and watertight during periods of extreme flooding. The structure is sealed with custom designed doors.



Access door at Lovcise HPP

Mavel, a.s. is a Czech Republic-based manufacturing and engineering company focusing on production of turbines for hydro-electric power plants from 25 kW to 25+ MW. Over the past fifteen years, the company has installed over 400 turbines at more than 275 sites around the world.

Contact Information: Margaret McDonald
Mavel Americas, Inc.
Tel: 1 617 242 2204
E-mail: margaret@mavel.cz

Contact Information: Margaret McDonald - 1 617 242 2204
Margaret@mavel.cz