



www.mavel.cz

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

- Press Release -

MAVEL COMPLETES COMMISSIONING OF FINAL THREE PROJECTS IN SOUTH KOREA

Benesov, Czech Republic - 21, November 2012. Mavel, a.s. ("Mavel") announced the successful commissioning of three additional hydroelectric power projects (HPPs) utilizing Mavel turbines on the Nakdong River in South Korea. The three projects – Gangjeong HPP, Nakdan HPP and Hapcheon HPP – were part a group of five projects awarded to Mavel and announced originally in 2010. The other two projects were commissioned in late 2011.

Hapcheon HPP

The Hapcheon HPP was commissioned on April 10, 2012. The site has nominal head of 5.1 meters and nominal flow is 123 cubic meters per second. Mavel provided two double regulated Kaplan Pit turbines type **MAVEL KP3400K4** with runner diameter of 3400 mm and four runner blades. Total installed power is **about 5.53 MW**.



The completed Hapcheon Hydroelectric Power Plant on the Nakdong River



www.mavel.cz

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

Nakdan HPP

The Nakdan HPP was commissioned on April 25, 2012 and has nominal net head of 7.1 meters and flow of 52 cubic meters per second. Mavel provided two double regulated Kaplan PIT turbines type **MAVEL KP2240K4** with 2240 mm runner diameters and four runner blades. The total installed power of the two turbines is about 3.25 MW.



The Nakdan HPP under construction



The completed Nakdan HPP

Gangjeong HPP

The Gangjeong HPP was commissioned on May 31, 2012 with total installed power of approximately 3.3 MW. The project has nominal head of 5.1 meters and total nominal flow of 73 cubic meters per second. Mavel provided two double regulated Kaplan Pit turbines type **MAVEL KP2500K4** with runner diameter of 2500 mm and four runner blades.





www.mavel.cz

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

The completed Gangjeong HPP

For all five projects, which also included the Yipo HPP and the Seungcheon HPP, Mavel provided hydraulic design, turbines and related equipment. In total, the projects utilize 11 turbines and have installed power of 16.2 MW. The projects are part of South Korea's "Four Rivers Project" which will assure the regulation of four major rivers and provide the region with a clean energy resource. The owner of the projects is the Korea Water Resources Corporation.

Mavel is an engineering and manufacturing company focusing on the production of turbines for hydroelectric power plants from 30 kW to 30+ MW. Over the past twenty years, the company has signed contracts for the installation of more than 425 turbines at nearly 300 sites around the world. Mavel is based in Benesov, Czech Republic and produces all turbines at one of its two Czech production facilities.