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Pump booster sets for Buchim mine and hot water transport pumps installed in Belgrade (27/07/10)

MZT Pumpi – Skopje has successfully produced and installed three booster sets for a pumping station in Buchim mine in Radovish, Macedonia. The booster sets were installed in order to protect the environment from the polluted water that is generated by the mine's work.



Additionally, MZT Pumpi, in consortium with the company Euroing Gevgelija, produced and installed another booster set for the client UNDP – Macedonia, also meant for the use in Buchim mine. This set of pumps are a part of the system for irrigation and fugitive dust control of the tailings dam.

The first three booster sets (consisting of four vertical multistage centrifugal pumps each) have a capacity of pumping 50 l/sec (set 1 and 2) and 30 l/sec (set 3) of polluted water accordingly. They can each pump water to an elevation of 124m, where all the polluted water is accumulated.

The other booster set, intended for irrigation and dust control, is made up of three single-stage centrifugal pumps - horizontal version, and has a total capacity of 20 l/sec.

Skopje has also successfully produced five pump sets for transport of hot water for the heating utility company 'Beogradske Elektrane'. The pump sets will be installed in the city's heating system in order to improve the transport of hot water to individual homes in Belgrade, Serbia..

The pumps are horizontal single stage centrifugal pumps, type S10CP25, with the following characteristics: Q=65-111 m³/h, H=82-74 m, and motor P=55 kW n=2900 rpm.

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