Modernization of Water Treatment Plant in Hradec Králové – 2nd and 3rd phase



Location
Hradec Králové

Investor
Vodovody a kanalizace Hradec Králové, a. s.

Construction period
07/2012 – 10/2017

Type of construction
Water management

Scope of services
Construction

“ **Reconstruction and modernization of**

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Shared **innovation**

waste water treatment plant for maximum output 150 l/s ”

The project concerns the treatment of surface water from the Orlice river into drinking water for Hradec Králové conurbation.

Both levels of 2-stage water treatment separation, pressure filtration with activated carbon filling, batching of chemicals and ozone for water pre-treatment as well as its final treatment stage, coagulate batching and batching for water alkalizing were reconstructed within the development. As water pumping is concerned two stages of pumping were adjusted, i.e. pumping of raw water for treatment and pumping of water after the second separation stage to final treatment on pressure filters with GAU. Modification of aggregates for filter regeneration and installation of a new modern control system were also included.

The third phase dealt with finishing the reco...

In numbers

150

l/s - maximum output