

Water-purification and service system construction in Vietnam / Drinking Water Treatment

The aim of the Central Vietnam, Quang Binh province water treatment project is the construction of water intake and water management structures to provide the region with healthy drinking water. There are over a 100 000 people living in the service area, north and south of the Gianh River. The project contributes to the increase of the quality of life of the low-income households and families, and to the development of basic infrastructure. Pureco Ltd. as a member of the project owner, Hungarian Water Cluster, is contributing to the development of the water treatment plant with its professional knowledge, design and construction experience. The project will see a 22 000 m³/day capacity surface water intake structure built on the Rao Nan River, which will serve as the main water base.

The 22 000 m³/day capacity water intake structure will serve a 10 000 m³/day capacity water treatment plant, constructed in the first phase and a 12 000 m³/day capacity water treatment plant, developed in the second phase of the project.

BDL Ltd. and Pureco Ltd. jointly work on the plant's distribution network design and the implementation of the mechanical control engineering.

The water purification technology used here:

- Coagulation
- Flocculation
- Clarification
- Sand filtration
- Water storage

Our engineers had to design the water intake and treatment structure in a block manner in order to take fully advantage of the mountainous terrain and space available.

The delivery of the machines and installation work is done by Pureco Ltd., with the assistance of Hungarian subcontractors. The majority of the products delivered to the site are Hungarian products.

Currently at the project location ground works and site excavation are in progress.