

# HOBAS® builds networks

## Reliable wastewater disposal in Liberec, CZ

Year of Construction

**2006 - 2008**

Total Length of Pipe

**1,597 m**

Pressure Class

**PN 1**

Stiffness Class

**SN 10000**

Diameter

**DN 250 - 1200**

Installation Method

**open trench**

Application

**SewerLine®**

Client

**Severočeská Vodárenská společnost a.s.**

Contractor

**SYNER, Ltd. Liberec and OHL**

**ŽS, a.s. Brno**

Advantages

**corrosion resistance,  
easy installation,  
excellent flow  
characteristics**

Strict EU regulations apply to water supply and wastewater disposal. Like many other countries in Central Europe, the Czech Republic also has a lot to catch up with in this area. From 2006 - 2008, the entire water infrastructure in the basin of the river Lužická Nisa was therefore replaced and brought in line with the new EU-compliant Czech legislation. HOBAS CC-GRP Pipes were also used in this project, primarily in the sections with medium and large diameters. The total costs of the large-scale project amounted to 31.3 million Euros. Financing for the work partly came from EU funds, partly from the Czech Republic's environmental fund and partly from resources provided by Severočeská Vodárenská společnost a.s. in Teplice. The construction work was divided into subprojects. HOBAS Products were used in the following packages of measures:

### Wastewater disposal

The subproject was aimed at rehabilitating the municipal wastewater treatment plant for Liberec. The plant had been treating the sewage from the city and its immediate vicinity for 12 years. Built in 1994 and designed for a population of 122,000, it was now out of date. Following more than a decade in use, it no longer complied with the requirements of the EU Directive concerning urban wastewater treatment and could not handle the volume of sewage that had risen over the years. Complete rebuilding and adaptation to a population equivalent of 190,000 was therefore urgently required. HOBAS CC-GRP Pipes were used in several areas of this subproject.

### Wastewater system

The objective of this package of measures was to extend the wastewater system in the Liberec – Jablonec nad Nisou agglomeration. Here several districts had to be connected to the municipal wastewater system and storm sewers also had to be built. The wastewater from this area will subsequently be conducted to the treatment plant in Liberec. The length of the entire network is 11.8 kilometers and HOBAS CC-GRP Pipes were again used in various places.

HOBAS is famous for being a system supplier that can customize its products to the challenges presented by any site. Features such as corrosion resistance, simple, fast installation, and excellent flow characteristics are just some of the benefits of HOBAS CC-GRP Pipes. In this project HOBAS delivered all medium and big diameters. Pipelines with smaller diameters were realized with clay and thermoplastic pipes that were combined with the HOBAS Products without any problems. In Liberec and the surrounding area, they therefore helped to create the basis for long-term reliable wastewater disposal and played a significant role in taking greater responsibility for the environment.

Fmd: [hobas.czech@hobas.com](mailto:hobas.czech@hobas.com)

