

# WASTEWATER TREATMENT PLANT - MODŘICE

The city of Brno, the second largest city of the Czech Republic, is located in the South-East of the country. It has about 400,000 inhabitants and it is known as industrial and cultural center of the region.



Brno had its wastewater treatment plant built in 1960. Reconstruction and extension plans were made in 1990 for the plant's capacity was low and its technology insufficient. The rehabilitation project was first prepared by an Austrian company (SFC Schueffel & Forsthuber Consulting GmbH) specialized in the field of environmental engineering, specifically in water and wastewater treatment. HOBAS CC-GRP Pipe Systems were then installed for the rehabilitation of the main sewer in Brno. Since the contractor, the BVaK (Brněnské Vodárny a Kanalizace), was very content with HOBAS he decided together with the investor to utilize HOBAS CC-GRP Pipe Systems for the reconstruction of the wastewater plant as well.



It was necessary to find a system that shows high resistance to aggressive substances. Another condition was the availability of custom-made piping components such as T-pieces, F-pieces, reductions, etc. so that the wastewater plant could be rehabilitated under operating conditions.



From the beginning of the realization of the project, HOBAS Czech Republic cooperated with Aquatis, a Czech water engineering company. A lot of individual solutions were borne within this cooperation. The reconstruction works, during which 3.5 km of HOBAS SewerLine were installed by open trench, began 2002 and were accomplished in 2004.

Overview	
Year of Construction	2002-2002
Length of Pipes Laid	3.5 km
Pressure Class	PN 1
Stiffness Class	SN 10000
Diameter	DN 150 – 2200
Installation Method	Open trench
Application	SewerLine®
Client	City of Brno
Contractor	BvaK (Brněnské Vodárny a Kanalizace)
Advantages	high corrosion resistance, high resistance to aggressive substances, custom-made components