

“I would use HOBAS® Pipes again.”

Every year, HOBAS Engineering awards the HOBAS® Project of the Year out of several international applications. This years' motto was “Historical HOBAS® Projects” And the winner is: “Hydro Power Plant Schenker.”

All projects that were realized five years or more ago could be brought in. The decision for the jury was hard and finally the award went to HOBAS Pipe Austria with their project “Hydro Power Plant Schenker”.



The project was realized in 1982 and in extremely difficult installation conditions, 570 m of HOBAS® CC-GRP Pipe Systems of DN 800, SN 2500 and PN 1 were installed in only 6 weeks.

The customer Stefan Schenker runs with his 60 employees 1400 hectares of wood area and produces in his sawmill 4000 m wood p.a. Starting from 1902, his grand-uncle ran a wood grinding shop. Already at this time they used the water power from the river nearby to produce energy for the propulsion of the grinding machinery. On the tide of a fire in 1953, where the mechanical equipment and also parts of the buildings were destroyed, the water power plant was converted to produce electric power till its shutdown in 1975. At these times, a wooden pipeline was used to transport water to the power station.

The old hydro power plant was rebuilt in 1982. Having checked several alternatives for the Hydro Power Pipe Systems the experts chose HOBAS® CC-GRP Pipes of DN 800 and SN 5000, also because of their ease of handling. The 570 m of HOBAS® CC-GRP Hydro Power Pipe Systems were installed with only small expenses within a period of 6 weeks, which is, considering the steep surroundings and the lack of roads leading to the site, an outstanding achievement. The unique benefit towards competition materials was the light weight of HOBAS® CC-GRP Hydro Power Pipe Systems, as a handpulled transport vehicle was used on site. Apart from the corrosion resistance and the light weight the pipes also have a very high abrasion resistance, resulting in no reduction of flow capacity compared to the old wooden construction. A further advantage of the new pipeline was that there is no further foliage of the trees, which was possible with the old open wooden pipeline.



In the first operating year 1983 this water power plant produced 1.446,000 kWh electricity. In these times, water energy was more important than ever due to the oil crisis.

Up to know, the HOBAS® CC-GRP Hydro Power Pipeline of DN 800 has been operating for 22 years and has been working properly without any problems ever since. A check of the pipeline showed that the HOBAS® Pipe Systems laid in 1982 will be in operation successfully for many further years. The customer is absolutely convinced and satisfied with the service and product quality supplied by HOBAS® and has bought further HOBAS® CC-GRP Hydro Power Pipe Systems for another project. DI Stefan Schenker is pleased to be awarded with the HOBAS® Project of the Year and is confident “I would use HOBAS® again.”

Overview	
Year of Construction	1982
Length of Pipe	570 m
Pressure Class	PN 1
Diameter	DN 800
Stiffness Class	SN 2500
Installation Method	Above ground
Application	Power Plant
Client	DI Stefan Schenker sawmill
Contractor	DI Stefan Schenker sawmill
Advantages	Corrosion resistant, High abrasion resistance, Light-weight pipes, Mechanical resistance