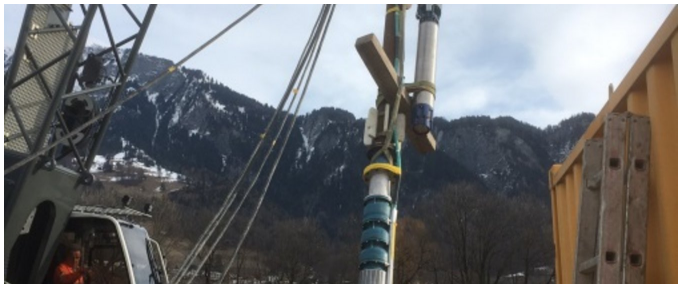
Implenia

Reference

Panxwiesen groundwater pumping station, Malans







SHORT DESCRIPTION

A new pumping station was built in the Panxwiesen district in order to increase the drinking water capacity of the municipalities of Malans and Landquart.

THE PROJECT

The filtering well was constructed by means of cased grab drilling, making a 1,500 mm borehole through various gravel layers to a depth of 38 m.

SERVICES IN DETAIL

- Shaft excavation: cased grab drilling, diameter 1,500 mm, drilling depth 38 m
- Pump test: four stages of 2,000 / 6,100 / 8,100 / 11,950 l/min with three submersible pumps
- Filter: slotted filter DN 1,100/8 with slot opening SW = 1.5 mm, made from stainless steel V4A/1.4404
- Gravel lining: 4/8 mm round gravel, clay sealing, concrete gravel

FACTS

Location	Malans , Switzerland
Status	completed
Construction volume (value of our services)	235,000 CHF
Start of construction	January 2018
Completion	February 2018
Building owner	Gemeindeverwaltung Malans
Contracting entity	Gemeindeverwaltung Malans
Project designer	Marugg + Bruni AG
Construction management	Marugg + Bruni AG
Construction management	Marugg + Bruni AG

SERVICES

Special Foundations