

## 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

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

## SERVICES

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Special Foundations



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<https://implenia.com/en/references/detail/ref/panxwiesen-groundwater-pumping-station-malans/>

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