

Coal Mining Sokolov

Application market	Construction	 
Market segment	Dewatering & Drainage, Mining	
Pumped medium	Groundwater with sedimentation	
Pump product	Immersible	
Country	Czech Republic	

Challenge

Pumping of accumulated groundwater with sedimentation away from a disused open pit of a coal mine around the city of Sokolov.

Solution

Use of the Hidrostat Screw Centrifugal Immersible Pump, installed on pontoons floating in the pit. The pumps, installed on several pontoons distributed in the pit, protect against flooding.

Benefits

The task could be solved to the full satisfaction of the customer:

- Reliable operation thanks to the non-clogging pump with large free passage
- Protective function fulfilled by high system availability

Quantity of units sold	4
Pump type	F10K-SLN3R + FEVB4
Motor data	45 kW / 4 pole / 50 Hz / 500 V / Immersible with 50m cable
Material combination	Cast iron pump body with Hidrohard wear parts and stainless steel impeller
Duty point	Flow : 280 litres per second / Head : 11 meters
In operation since	2015