

Coal Mining Družba

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.

Solution

Use of the Hidrostat Screw Centrifugal Immersible Pump, installed on pontoons floating in the pit. Several pumps installed 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-SS1 + FEVB4
Motor data	45 kW / 4 pole / 50 Hz / Immersible with 40m cable
Material combination	Cast iron pump body and wear parts with nodular iron impeller
Duty point	Flow : 220 litres per second / Head : 15 meters
In operation since	2008