

2 Case studies for the mining industry





**split casing
SKD range**

**BOOSTING TAILINGS LINE PRESSURE
FOR RELIABLE OPERATION**



Solution Implemented

To stabilize and increase line pressure, a **vertical Split Case pump** was supplied and integrated into the system.

Equipment Installed

- 1 × SKDVZ-4P-150-400 pump

Motor Specifications

- SAER motor – 55 kW
- 4 poles – IE3 efficiency class
- 380 V – 50 Hz



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multistage pump TM range



**ENERGY RECOVERY ON THE WATER SUPPLY
OF AN UNDERGROUND MINE**



Solution Implemented

The PAT has been installed in parallel to an existing pressure reducing station on a DN 150 pipeline carrying cooling water from the surface into the depths of the mine. The turbine location is 300m underground. Instead of just dissipating the water pressure as heat and noise via the pressure reducing valves, the E-TMZ multistage turbine is generating power, which helps the mine operator to reduce the electricity import from the grid.

Equipment Installed

E-TMZ-4P-50-80

Head: 210m

Flow: 22L/s

Maximum output: 30kW

Annual generation: 200MWh