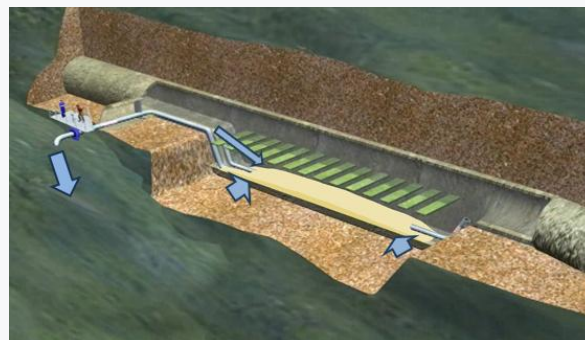


SediCon Sluicer in Tunnel Desanders

Gravity-powered sediment removal for pressurized tunnel sand traps

How it works

- Uses the tunnel flow pattern to settle coarse and abrasive sediments toward the invert.
- Sluicer slots automatically balance and optimize the sediment-water mixture during flushing.
- Very high removal capacity can be achieved with only a small amount of water.
- Operated through an outlet valve, enabling remote and automatic operation.



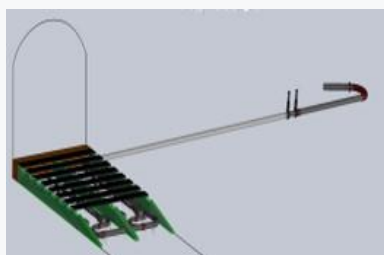
Picture description



Khimti HPP, Nepal (operated since year 2000)

Why it matters

- Especially suitable for pressurized tunnel sand traps where access or intervention is impossible.
- No movable parts in the sluicer body support very high reliability and low maintenance.
- Tunnel flow and power production can continue during sediment removal.
- Removes a wide range of sediment, including gravel and stones.



Large tunnel desander cave, Norway

Environmental benefits

- Low water consumption
- No fuel use – gravity powered
- Controlled sediment discharge according to project-specific environmental criteria
- Uninterrupted hydropower production during sediment removal
- Output can be adjusted during operation when needed

Best used when

You need reliable, automated sediment removal in pressurized tunnel sand traps with minimal water use and uninterrupted power production.

For more than 30 years, SediCon has developed and supplied proprietary sediment handling technologies from Trondheim, Norway. Our solutions for reservoirs, intakes, desanders and tunnels have been successfully implemented in hydropower projects in more than 20 countries across five continents.