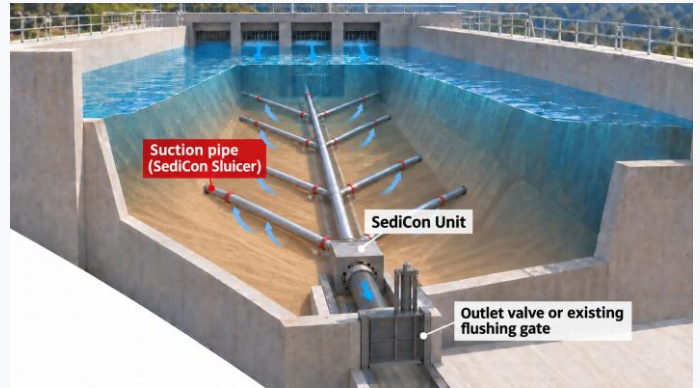


SediCon Sluicer

Gravity-powered sediment removal for desanders and tunnel sand traps

How it works

- Uses a slotted pipe at the bottom of the desander or sand trap to blend sediments and water into a balanced flushing mixture.
- Can be customized for new desanders and retrofitted in existing structures, including pressurized tunnel sand traps.
- Uses only a fraction of the water discharge, allowing uninterrupted flow and power production during sediment removal.
- Operation can be manual, remote or fully automatic through the outlet valve or existing flushing gate.



SediCon Sluicer in a desander – concept illustration



SediCon Sluicer installation

Why it matters

- High sediment removal capacity with very low water consumption; units can exceed 1,000 tons per hour under ideal conditions.
- No moving parts in the Sluicer itself support reliability, simple operation and low maintenance.
- Handles a wide range of sediments, including fine material, cohesive deposits, gravel and stones.
- Especially well suited where access, inspection or intervention inside the desander is difficult.



Rubagabaga, Rwanda

Environmental benefits

- Low water consumption
- Gravity powered operation
- No fuel use on site
- Controlled sediment release
- Supports uninterrupted power production

Best used when

You need reliable sediment removal in desanders or tunnel sand traps with low water use, no interruption to production and minimal maintenance demand.

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.