

Environmentally friendly solutions

Sediment management that works with nature, not against it

How it works

- Uses gravity as driving force, without additional fuel or electrical power.
- Releases trapped sediment back to the river in a controlled way.
- Can be operated during high-flow or rainy periods to support natural dilution.
- Can be combined with environmental flow and hydropower operation.



River during flood – natural sediment transport



Outlet of SediCon sediment removal system

Why it matters

- Restores or maintains natural sediment balance downstream of dams.
- Reduces the need for diesel-powered dredging and lowers spill risk.
- Support sustainable reservoir operation with minimal production impact.
- Field documentation shows sediment discharge impacts can be localized and temporarily.

Environmental benefits of SediCon technology



Best used when

A hydropower plant needs sediment removal while maintaining downstream sediment continuity, low water consumption 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.