

SediCon intake solutions

Continuous or intermittent removal of sand and gravel in intakes

How it works

- Uses surplus water and siphon action to remove stones inside intakes, typically between trash rack and desander.
- Operates without valves, either continuously during flood season or initiated by water pump when needed.
- No external power, monitoring or continuous operator attendance required.
- Capacities are up to 2000-ton sediments per hour per discharge point.



Discharging sediments back to the river



Sediments finds its way into an intake

Why it matters

- Protect intakes from being blocked during floods and high sediment load.
- No moving parts mean high reliability and very low maintenance.
- Custom geometry fits both new projects and retrofits.
- HDPE construction gives strong abrasion resistance and long service life.



Sluicer pipes maintain intake clean

Environmental benefits

- uses only surplus water – no loss of production water
- Operates during natural flood transport conditions
- Supports river morphology by passing material downstream
- No fuel use and no power supply on site

Best used when

You need automatic intake protection with minimal intervention, robust operation and low lifecycle cost.

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.