

SediCon Competence & Consultancy

Practical sediment expertise for sustainable hydropower operation

How it works

- Combines field studies and operational experience from sediment handling projects.
- Assesses sediment yield, deposits properties and reservoir operation constraints.
- Develops practical design solutions for sediment removal and desilting optimization.
- Work with hydropower owners, universities and research organizations when needed.



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From sediment challenge to optimized solution

Why it matters

- Help owners choose solutions with the best benefit/cost ratio.
- Reduces uncertainty before investment in sediment handling systems.
- Can reduce turbine wear by optimizing desilting basin performance.
- Supports sustainable reservoir operation and long-term production.



Scale model testing and hydraulic assessment

Environmental benefits

- Optimized water use
- Reduced turbine wear
- Longer reservoir lifetime
- Lower operational risk
- Sustainable hydropower planning

Best used when

A hydropower project needs assessment of sediment challenges, reservoir deposits, removal concepts or desilting basin performance before selecting a technical solution.

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.