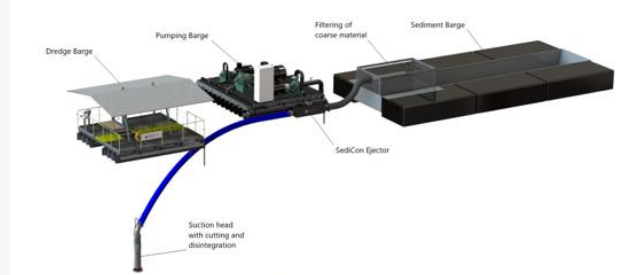


SediCon Dredging into barges

Controlled removal of coarse and cohesive sediments into floating barges

How it works

- An ejector dredge pumps the water-sediment mixture from the reservoir to a floating filter unit
- Debris and coarse material are retained while fine sediment-water mixture is deposited in a barge.
- Water jetting and optional cutters disintegrate cohesive sediments and wooden debris before suction.
- Sediment concentration control helps keep the discharge within defined project limits.



Overall solution with dredging, pump and sediment container barges



Dredging barge and suction arrangement in operation

Why it matters

- Can handle coarse sediments, cohesive material and debris in one integrated floating system.
- Maximum capacity can be in the order of 250 tonnes of sediment per hour, depending on project conditions.
- Container-sized components simplify transport, lifting and assembly on water.
- Shallow-draft barges and floating pipelines tolerate varying water levels and uneven conditions.



Floating pipe and barge arrangement at reservoir site

Environmental benefits

- Controlled conditions
- No fixed civil work required
- Modular and removable setup
- Low water consumption
- Reduced disturbance of intake area

Best used when

A reservoir contains a mix of fines, gravel, stones, cohesive sediments or organic debris that must be removed, filtered and handled from floating equipment.

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.