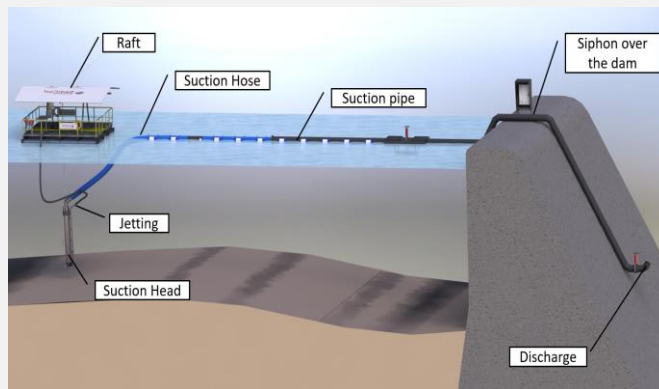


## SEDICON DREDGE

The SediCon Dredge is a gravity powered hydrosuction system for sediment removal in reservoirs.



Principle sketch



Paso Ancho, Panama

### General principle

The SediCon Dredge is a hydrosuction system that uses the available water head between the reservoir and the outlet discharge for pumping out water and sediments. The outlet can either be through the dam body, over the dam or spillway crest.

### Removes all types of sediments

Due to efficient jetting and unrestricted flow, the SediCon Dredge can handle a wide range of sediments, from cohesive clay to sand and stones. Organic material, including logs and twigs, can be handled by adding a hydraulic cutter on the suction head.

### Ensures high capacity and easy operation

The patented suction head ensures high capacity and low water consumption. Typical average capacity range from 50 m<sup>3</sup> cohesive sediments per hour for 200 mm dredges and up to 1000 m<sup>3</sup> per hour for sandy materials dredged with a 500 mm dredge.

### Requires low investment and operation cost

Few movable parts ensure reliability, easy operation and low maintenance cost.

### Does not affect reservoir operation

With SediCon's unique technology the reservoir can continue to operate and produce power, while the dredge is operating, as water levels and water quality is not affected.

### Remote/automatic operation

The SediCon Dredge can be delivered with a digital platform, which allows different levels of automatization, remote operation, and remote monitoring of the sediment removal process. This platform can reduce required personnel and ensure a proper follow up of dredging to improve operation and fulfill environmental restrictions.

### Gravity powered and environmentally friendly solution

The SediCon dredge is today the most environmental friendly solution in the market – it uses gravity as driving force and gives full control of when and where sediments are discharged. No pollution is spread to surrounding water.

SediCon is the leading supplier of sediment handling worldwide and provides reliable solutions with low water consumption and uninterrupted power production.