

SEDICON EJECTOR DREDGE

The SediCon Ejector Dredge is pump-powered systems for relocation of sediment within reservoirs.



SediCon Ejector Dredge at Necaxa, Mexico, 2022.



Discharge of sediments 200 m away from dredging area.

General principle

The SediCon Ejector Dredge is an adaptation of the hydrosuction system but using pumps to power the flow at the same water level. The system is designed so the sediments do not pass through the pumps, to reduce wear and maintain the same benefits of hydrosuction dredging.

Removes all types of sediments

Due to efficient jetting and unrestricted flow (ejector pumps), the SediCon Ejector Dredge can handle a wide range of sediments, from cohesive clay and organic material to sand and stones. The suction head can also be equipped with hydraulic cutters to break sticks, logs, and other large materials.

Ensures high capacity and easy operation

The patented suction head and especially designed pumps ensure high capacity and low water consumption. Average capacity is over 80 m³ of cohesive sediments per hour, relocated to 200m away. Sediments can be dredged down to any water depths in reservoirs.

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. There is zero water consumption because the flow is discharged in the same reservoir.

Recovery of bottom structures

The dredging capacity of the equipment and its principle of relocating sediments allow continuous work to recover structures like flushing gates or lower intakes that have been buried with sediments, despite how old, deep, and compact the sediments are.

Perfect solution for large reservoirs

The SediCon Ejector Dredge can be used to maintain the intake structures free of sediments in large and old reservoirs. Sediment relocation can be done periodically, removing the sediments from the area around the intake and depositing them in areas where they can't affect power generation.

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