The SediCon Dredge has a monthly, average sediment removal rate of 20 000 m³

Project Description: 47 MW, forebay, commissioned 2012
Annual production of 178 GWh, Net head is 380 m and discharge is 15 m³/s.
Dredge size: 10”/12”. The forebay has a total capacity of about 200 000 m³ and a live storage of 185 000 m³.

Location: Guatemala
14°42'32.0"N 91°31'56.4"W

Client: Enel Guatemala SA

Sediment Challenge: An average of 50 000m³ of sediment deposit in the reservoir annually, including garbage, debris and organic material.

Solution: Customized 10”/12” hydrosuction reservoir dredge with efficient water jetting. Existing 600mm diameter drainage pipe is used to discharge sediments.

Implementation: The SediCon Dredge was installed, tested and commissioned in December 2011 / January 2012.

Results: Water jetting in combination with gravity powered suction removed 8 years old and 8m thick cohesive sediments. Sediment deposits were removed at an average rate of more than 100 m³ per hour.

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