

## SediCon Dredge for El Canada HPP, Guatemala

The SediCon Dredge has a monthly, average sediment removal rate of 20 000 m<sup>3</sup>



January 2012



February 2012

<b>Project Description:</b>	47 MW, forebay, commissioned 2012 Annual production of 178 GWh, Net head is 380 m and discharge is 15 m <sup>3</sup> /s. Dredge size: 10"/12". The forebay has a total capacity of about 200 000 m <sup>3</sup> and a live storage of 185 000 m <sup>3</sup> .
<b>Location:</b>	Guatemala <a href="#">14°42'32.0"N 91°31'56.4"W</a>
<b>Client:</b>	Enel Guatemala SA
<b>Sediment Challenge:</b>	An average of 50 000m <sup>3</sup> of sediment deposit in the reservoir annually, including garbage, debris and organic material.
<b>Solution:</b>	Customized 10"/12" hydrosuction reservoir dredge with efficient water jetting. Existing 600mm diameter drainage pipe is used to discharge sediments.
<b>Implementation:</b>	The SediCon Dredge was installed, tested and commissioned in December 2011 / January 2012.
<b>Results:</b>	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 m <sup>3</sup> per hour.

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