SediCon®
Removing sediments

Reference Project 2008

SediCon Dredge for Nagoro reservoir, Japan

A SediCon Dredge with jetting and debris cutting was used to remove old, compacted sediments.

Nagoro reservoir

Sediment discharge

Rafts for operation of Dredge

Project Description:	1.3 MW, the reservoir is less than one km long. Height 37m, Crest length 119.4 m and dam volume of 45.000 m^3. The catchment area is 21.2 km^2 and the reservoir capacity is 1.367.000m^2.
Location:	Shikoku Island, Japan 33°51'02.5"N 134°01'44.8"E
Client:	Shikoku Electric Power Co. Inc. (YONDEN)
Sediment Challenge:	Over the years, sediments and debris has settled in front of the bottom gate. The sediments have become compacted and prevented operation of the gate. As there are strong fishing interests in the river downstream, sediments cannot be discharged freely.
Solution:	SediCon AS and its partners in Japan, Khowa Engineering Co., developed and manufactured a SediCon Dredge with a jetting/cutting system capable of disingrating sediments and debris. The dredge is powered by an ejector which prevents blocking and enables internal shifting of sediments.
Implementation:	November/December 2008
Results:	Successful shifting of sediments from the bottom gate to inside a silt fence in a safe area in the reservoir.

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