

SediCon Dredge for Miwa Dam, Japan

SediCon provided a full-scale dredge for test and demonstration at Miwa Dam.



SediCon Dredge



Discharge of sediments



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- Project Description:** Miwa dam is the main test facility for sediment handling in Japan. The past years various sediment discharging methods have been tested, among them SediCon Sluicer (2008) and SediCon Dredge (2010).
- Location:** Nagano District, Japan
[35°48'47.2"N 138°04'46.3"E](#)
- Client:** Khowa Engineering Company Ltd / MLIT (final client)
- Sediment Challenge:** Due to two major weakness zones, the sediment load into Miwa is one of the highest in Japan, causing rapid loss off storage volume. MLIT requested a demonstration of technology capable of removing reservoir sediments from the many reservoirs in Japan having sediment problems.
- Solution:** SediCon AS and its partner in Japan, Khowa Engineering Co Ltd, have developed and manufactured a SediCon Dredge with a jetting system capable of disintegrating and dredging sediments up to 280 mm.
- Implementation:** January – February 2010
- Results:** The demonstration proved successful removal of reservoir sediments ranging from silt to piece of wood and stones up to 280 mm. The calculated capacity of the dredge was verified as well as ability to produce a continuous high production.

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