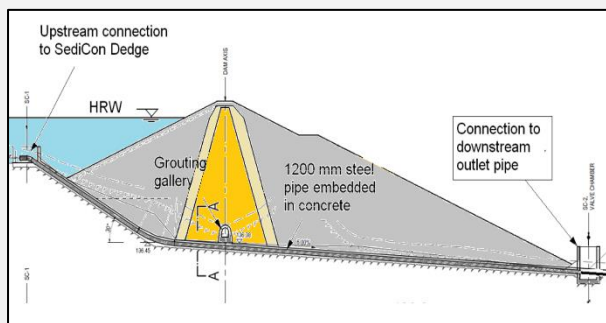


SediCon Dredge for Banja reservoir, Albania

Supply of outlet for a SediCon Dredge, capable of dredging down to 80 meter depth and preventing sediments from blocking the intake.



Casing pipe under the dam



Hinged connection in the reservoir



Downstream

Project Description:

70 MW, commissioned on September 2016
Annual production of 250 GWh, Net head is 79 m and discharge is 103 m³/s.
The reservoir has a surface area of about 16 km² and a storage capacity of approximately 390 million m³.

Location:

Albania; Lat 40° 57'44"N - Long 20° 3'47"E

Client:

Devoll Hydropower Sh.A (DHP)

Sediment Challenge:

Large parts of the catchment area consist of extremely weak and highly weathered rock and Devoll River carries millions of tons of sediments annually.

Solution:

A 1200mm casing pipe was installed under the dam and a 560 mm HDPE outlet pipe for the gravity dredge was installed inside the casing pipe, which are accessible for inspection. The casing pipe is designed so that a larger dredge can be implemented later.

Implementation:

The outlet pipe was successfully pulled through the casing pipe under the dam early 2016. The SediCon Dredge is foreseen to be commissioned when the power plant is ready for operation.

Results:

A close cooperation between the owner, the consultants and SediCon has resulted in an innovative and unique design that enables reservoir operation for future generations.

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