

SediCon Sluicer for Rubagabaga HPP, Rwanda

SediCon will supply one SediCon Sluicer for removal of sediments from the desander



Dam site



Intake site

Project Description:	400 kW, Run-of-River, scheduled for 2017 Annual production of 2,8 GWh, Net head is 65 m and has a designed discharge of 0,7 m ³ /s.
Location:	Rubagabaga River, Rwanda 1°43'39''S and 29°37'31''E
Client:	Afritech / Autonom AS
Sediment Challenge:	Rubagabaga may not be a big river but it may easily carry as much as 100 000 ton sediments per year. Much of the sediments are coarse bed load and design of the intake is a major challenge.
Solution:	SediCon will supply one SediCon Sluicer for the 4m wide and 15m long desander. The SediCon Sluicer will discharge into a collection basin where sand can be extracted for construction purposes.
Implementation:	SediCon is planning to supply SediCon Sluicer during 2017.
Results:	Based on experience from previous projects SediCon expect that the SediCon Sluicer will have a capacity of 200 ton sand per hour, and it will be capable of removing particles up to 50 mm.

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