

## SediCon Sluicer for Rubagabaga HPP, Rwanda

**SediCon supplied one SediCon Sluicer for removal of sediments from the desander**



Construction site.



Installation of SediCon Sluicer.

**Project Description:**

400 kW, Run-of-River, scheduled for 2018.  
Annual production of 2,8 GWh, Net head is 65 m and has a designed discharge of 0,7 m<sup>3</sup>/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 4 m wide and 20 m long desander. The SediCon Sluicer will discharge into a collection basin where sand can be extracted for construction purposes.

**Implementation:**

SediCon has manufacture and shipped the SediCon Sluicer that was installed by the end of 2018.

**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.