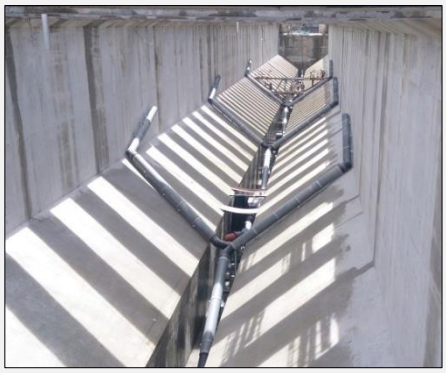
SediCon®
Removing sediments

TECHNOLOGY

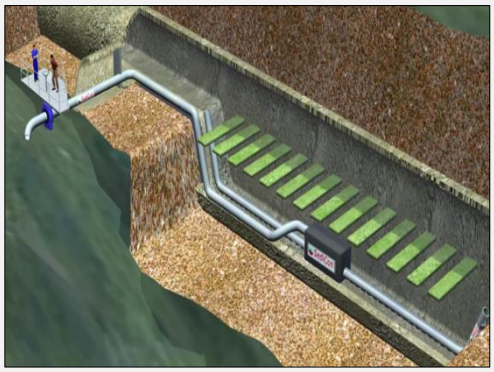
SEDICON SLUICER

Gravity powered sediment removal system for desanders and tunnel sand traps

Uninterrupted power production and unlimited sediment removal capacity



SediCon Sluicer at Coca Codo Sinclair



SediCon Sluicer in tunnel sand trap

SediCon Sluicer at Rubagabaga

General Principle	The SediCon Sluicer uses the special flow pattern that is created when water flows into a slot, which blends sediments and water into a perfect mixture. The sediment deposits will slide towards the slotted pipe in the bottom, and by the end of operation all material above is removed.
High Capacity and low water consumption	The SediCon Sluicer can be designed for almost any capacity, and only a few cubic meters of water are needed to remove each ton of sediments. SediCon Sluicer Units have capacity exceeding 1000 ton per hour under ideal conditions
Ideal for all desanders	New desanders can be customized and optimized, while old desanders can be retrofitted. Due to the freely routed pressurized outlet pipe, the SediCon Sluicer is ideal for all types of desanders. However, SediCon Sluicers are especially suitable for pressurized sand traps where intervention or monitoring of the operation is not practical.
Uninterrupted power production	With the SediCon Sluicer sediment removal doesn't interfere with normal operation of the power plant.
No movable parts	As the SediCon Sluicer uses the gravity as driving force, there are no movable parts or need for power supply, increasing its reliability and making operation very simple.
Removes all types of sediments	The SediCon Sluicer can handle a wide range of sediments, from coarse particles to fine and cohesive material which is disintegrated by a water injection system.
Environmentally friendly	Sediment release is intermittent. The SediCon Sluicers can be turned on and off and sediment concentration is adjusted between zero and max.

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