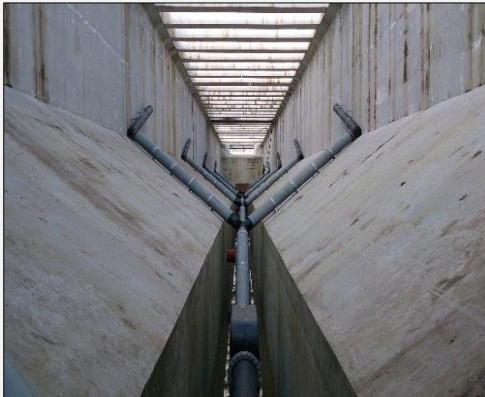


## SediCon Sluicers for Coca Codo Sinclair, Ecuador

The SediCon Sluicers will remove 6 million ton sediments annually, without interfering with operation.



SediCon Sluicers at Coca Codo Sinclair



Installation



Installation

- Project Description:** 1500 MW, Run-of-River, finished 2017  
Annual production of 8.6 TWh, Net head is 604 m and discharge is 220 m<sup>3</sup>/s.
- Location:** 100 km east of Quito, Ecuador  
[0°11'56.30 S and 77°40'52.97 W](#)
- Client:** Sinohydro Ltd & Coca Codo Sinclair Ltd
- Sediment Challenge:** The river carries several million tons of sediments annually. The intake pond has practically no sediment storage capacity and the eight desanders are required to remove the sediments.
- Solution:** SediCon supplied 40 fully independent SediCon Sluicers for the eight desanders, five in each. The SediCon Sluicers discharges into the bypass channel for a minimum flow release.  
Five echo sounders in each desander give full information about sediment levels and the discharge gates can be operated remotely or from a local control room.
- Implementation:** SediCon finished the installation of the SediCon Sluicers and its monitoring system during the first half of 2016.
- Results:** The SediCon Sluicers were installed in 2015-2016, and 20 SediCon Sluicers have been successfully operating since July 2016. The remaining 20 SediCon Sluicers were commissioned winter 2016/2017.

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