

## SediCon Sluicers for Alto Maipo El Volcán, Chile

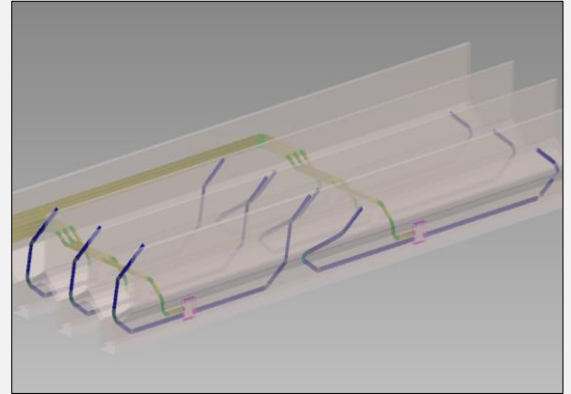
SediCon will supply 6 SediCon Sluicers for the desilting basin of El Volcán at Alto Maipo



Layout of the area



Maipo River



Model of SediCon Sluicer

**Project Description:**

531 MW (Alfalfal II 264 MW and Las Lajas 267 MW), Run-of-Riverf, Annual production of 2300 GWh, 67 km of tunnel will be built between the high sector of the Volcan River and Las Lajas in the Maipo River.  
Alfalfal II: Net head is 1.160 m and discharge is 27 m<sup>3</sup>/s.  
Las Lajas: Net head is 486 m and discharge is 65 m<sup>3</sup>/s.

**Location:**

Maipo River Basin, José de Maipo District, Chile  
Approximate location of Alfalfal II [33°33'50.9"S 70°12'42.1"W](#)  
Approximate location of Las Lajas [33°34'23.0"S 70°24'03.8"W](#)

**Client:**

Constructora Nuevo Maipo

**Sediment Challenge:**

El Volcan basin is largely fed by snowmelt from glaciers and therefore has a high variability in monthly average flows. Sedimentation markedly increases during the summer months.

**Solution:**

SediCon will supply six SediCon Sluicers with two SediCon Sluicers in each of the three sedimentation basins at El Volcan intake. The sediments will be transported from the sedimentation basin, through the concrete wall and deployed back to the river by opening the outlet valves. The whole system will have an approximate capacity of 1.800 ton/hour.

**Implementation:**

The SediCon Sluicers are scheduled to be installed during 2018.

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