

## DREDGING IN FRONT OF GATES, INTAKES AND OUTLETS

**SediCon has unique technology for dredging of cohesive sediments that has clogged gates and intakes, and for dredging of sediments inside steel piles.**



Tool for dredging inside piles, designed by SediCon



Suction head used to liberate lower gates in Necaxa, México



Relocation of sediments in Necaxa, México

SediCon has supplied equipment for dredging cohesive sediment in several reservoirs in general and in front of bottom gates. SediCon has also provided the same technology used in several large wind farm projects offshore UK and Taiwan since 2017.

### **Dredging of hard clay**

SediCon uses a suction head with non-blocking technology, which allows easy and fail-safe operation in all conditions. The suction head is equipped with custom designed high-pressure water jetting to disintegrate hard and cohesive clay, as well as mechanical means to cut and/or remove debris.

### **Debris cutter**

The equipment can destroy debris like branches and logs thanks to the debris cutter. It reduces the probability of blockage in the pipeline and improves the efficiency of the entire dredging process.

### **Removal of sediments**

SediCon developed the very first ejectors that was used for unrestricted pumping of rock-dump in the offshore sector. SediCon possesses the best knowledge in this field, and we regularly customize ejector pumps to any material, pipe dimension and transport distance that is required by the project. Sediments can be removed from any water depth in hydropower reservoirs, and can be removed or relocated within the reservoir

### **Access to confined areas**

SediCon benefits from decades of experience from the highly robotized Norwegian offshore sector and uses ROV's, camera monitoring, customized access tools and maneuvering of suction pipes itself to access and remove sediments from restricted spaces such as inside intake towers.

### **Unique competence**

SediCon's technology derives from PhD and several MSc studies within sediment engineering. Our operators have experience from sediment handling at hydropower projects as well as from ground-breaking projects in the offshore sector.

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