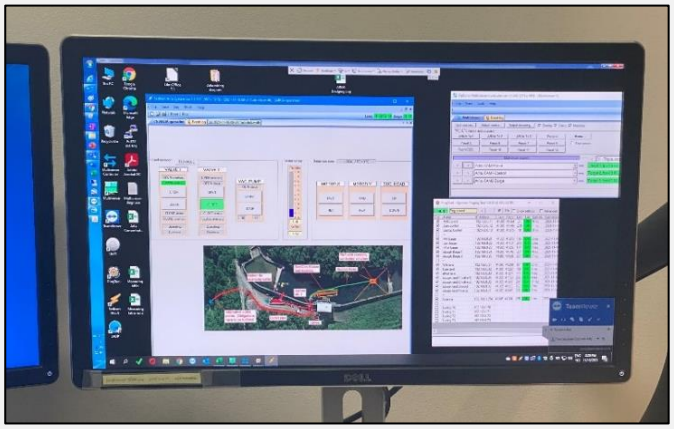
SediCon®
Removing sediments

Technology

SediCon Digital Platform

The SediCon Digital Platform optimizes the sediment removal process and can be used for all SediCon technologies.



Monitoring and operation system with a range of parameters options for remote operation. Arlia, Italy

General Principle	SediCon Technologies can be delivered with a digital platform, which allows automatization, remote operation and remote monitoring of the sediment removal process.
Local site control	The SediCon Sluicer and the SediCon Dredge can be operated from a control room or from local mobile wireless devices, allowing full control from safe and warm location.
Internet Remote control	By enabling internet connection and the SediCon remote control solution, the control system can be operated from anywhere in the world!
Remote support	Wireless connection allows remote support from our experts anywhere in the world during site installation, inspections, diagnostics and operation.
Sediment level sensors	Sediment level sensors allows full knowledge of the sediment situation at any time. Depending on the project requirements, the monitoring system can consist of; fixed or movable echo sounders or pressure cells.
Outlet valve control	The outlet valves control the entire SediCon Systems. By opening the valves, the gravity-powered systems start the sediment removal operation. The outlet valves can be supplied with status sensors (open-close status), allowing remote operation of the SediCon Systems.
Dredge raft control	The dredge raft control functions consist of remote-controlled winches (horizontal raft movements) and remote-controlled suction head (vertical up/down movement). Depth sensor and GPS are used for remote monitoring.
Cameras	Any part of the sediment removal process can be monitored with cameras to visualize the operation, giving precise information for the operators to decide how to operate. Cameras have remote pan/tilt/zoom control and full HD quality.

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