



CASE STUDY

Sykes Pumps Maintains Safe Reservoir Levels for Penstock Inspections

Call 0800 211 611 or visit www.sykes-pumps.com

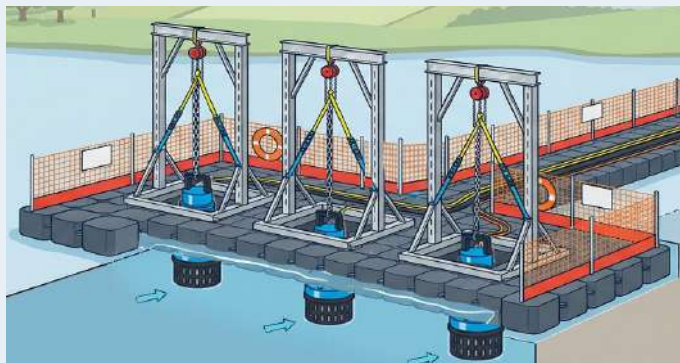
Hire ■ Sales ■ Service ■ Install

CASE STUDY

Three Submersible Pumps Deliver Reliable Reservoir Level Control for Critical Maintenance Works

Sykes Pumps was tasked with providing a temporary pumping solution at a remote rural reservoir. The project required water levels to be lowered and maintained to allow safe penstock inspection and maintenance.

Our specialists supplied and installed three **PX 22 electric submersible drainer pumps** on a modular floating pontoon. The system provided consistent water level control throughout the maintenance programme while keeping discharge within environmental limits.



Three PX 22 Electric Submersible Drainer Pumps on a Modular Pontoon



PX 22 Electric Submersible Drainer Pump



0800 211 611

Planning your next pumping project?

Sykes Pumps delivers tailored pumping solutions to keep critical infrastructure running safely and efficiently.



Learn more

1 CHALLENGE

Reservoir levels had to be lowered and maintained throughout the entire inspection and maintenance programme. Ongoing rainfall and water inflow required a reliable pumping system capable of keeping reservoir levels steady.

The reservoir's remote rural location also presented logistical difficulties.

Water discharge had to remain within environmental limits while the pumping system responded to changing reservoir levels.



2 SOLUTION

On a modular floating pontoon we supplied and installed three **PX 22 electric submersible drainer pumps**.

Each PX 22 features a 35 kW motor, stainless steel components and built-in motor protection for steady, low-maintenance operation.

Following safety preparations, our engineers assembled the pontoon, secured the pumps and anchored the platform in the reservoir.

Discharge pipework and **variable speed drive (VSD) control panels** were installed to adjust pumping rates as reservoir levels changed.



3 OUTCOME

The reservoir remained at a safe, controlled level throughout the penstock inspections and maintenance works.

All three PX 22 pumps ran with zero unplanned downtime, and discharge stayed within environmental limits throughout.

Following completion, all pumping equipment and temporary infrastructure were safely removed. The site was cleared and inspected before the reservoir returned to normal operation.





Planning your next pumping project?

Sykes Pumps delivers tailored pumping solutions to keep critical infrastructure running safely and efficiently. Speak to our specialists today!



0800 211 611



[sykes-pumps.com](https://www.sykes-pumps.com)



Nationwide
Coverage



4 Hour *Rapid*
Delivery



24-Hour
Services



Worldwide
Locations