



ECS Water Control specialises in delivering high quality, reliable and cost effective engineering solutions to the water utility and related environment agencies and organisations, we specialise in the design, fabrication and construction of water and environmental processing and management projects.

ECS offers a full turnkey project managed service for mechanical and electrical installations including managing civils contractors and supplying pipework, fabrication, control and automation work to ensure that every installation is installed and commissioned to the highest standard. Existing clients include the majority of the UK Water Utility companies, Government Agencies and Internal Drainage Boards.

Tilting Sluice

Case Study: 003 Tilting sluice



Many of our clients have aged, legacy assets with flow control equipment dating back several decades. In many cases the original manufacturers are no longer in existence, leaving little support should problems occur with these items.

ECS Engineering Services are experts in refurbishment of such items, cost effectively restoring the installation back to full working condition, often with upgrades to improve

the functionality and efficiency of the original equipment.

In this case ECS undertook the overhaul of a tilting sluice gate for the Environment Agency. A stop log and over pumping system was installed to allow safe access for removal of the gate and to ensure continued flow in the channel.

The gate was returned to our workshops where it was fully overhauled, repainted and resealed.

The operating mechanisms were refurbished and the corroded ropes replaced.

The addition of an automated control system enhanced the operation of this gate without the client expending the full cost of a replacement system.

This has helped the client to reduce its environmental impact and carbon footprint.



Engineering Services

Water Control Site Services
Environmental Fabrications