



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.

Lock Upgrade

Case Study: 008 Lock Upgrade



South Ferriby Lock is a national monument owned and operated by the Environment Agency.

ECS Engineering Services was contracted to modify the lock gates to bypass the existing Clows (or Clews) that were creating a significant operational and maintenance risk to the client, as well as causing an ongoing risk to the successful, continuous operation of this busy lock.

ECS designed, fabricated and installed a

hydraulically operated set of relief paddles that were integrated into the existing lock gate structure and assembled as a single constituent part.

The installation necessitated the manufacture of large temporary stop logs to dam the flow to the gate and the subsequent partial draining of the channel.

The installation of the hydraulic control system and electrically operated power pack were an

integral part of the contracted works and all work was undertaken by ECS Engineering Services' in-house labour.

ECS Engineering Services undertakes a wide range of upgrades and refurbishments to lock gates, mitre doors, sluices and other inland waterway structures often incorporating specialist divers to undertake works while minimising shut down periods for the client.

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Environmental  Fabrications 