



Water Control Structures

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ECS design engineers are supported by experienced site engineers capable of installing and commissioning a wide variety of projects, both large and small.

ECS has a long and distinguished history of delivering major improvements to large water control structures on behalf of national agencies such as the Environment Agency and water utility companies.

Sluice gate replacement

Recent projects have included the complete overhaul and refurbishment of the sluice gate structure at West Stockwith which included replacement of the 26 tonne gate. Projects such as this require efficient project management to ensure that all aspects such as lifting and underwater engineering operations are properly co-ordinated.

Stoplog deployment system

ECS has also delivered and installed automated stoplog deployment systems at sites such as Colwick Sluice in Nottingham. The new systems greatly improved both the efficiency and the safety of the operation, while also reducing the number of personnel required to complete the task. Using a co-ordinated approach, ECS combines the skills of its own electrical and mechanical engineers with the services of certified dive teams to complete complex projects successfully.



ECS offer full project management, manufacture and specialist services for large water control structures.



ECS can offer a wide range of water control products including penstocks, sluices, flap valves and tilting weirs.



ECS manage projects working with a wide variety of water control structures and flow requirements.

Lock gate replacement

Supported by its own CE certified steel fabrication department, ECS has the ability and capacity to design, fabricate and install large lock gates when the existing components have reached the end of their service life.

ECS is also able to produce new, durable and lightweight lock gates manufactured from fibre reinforced polymer (FRP) which offer an extended service life and zero maintenance.

Tidal Structures

Tidal flap valves can be designed and fabricated in-house or sourced from a partner company to provide reliable protection against saline intrusion of freshwater systems.

ECS has a large number of in-house, specialist engineers with considerable experience and expertise in designing, fabricating and installing large water control projects. Combined with the specialist services of certified dive teams and barge-mounted cranes, ECS can deliver large scale projects safely and efficiently.

Landustrie 

InfraCore 



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