



Flap Valve Install

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.

Case Study: 007 Flap Valve Install



Flap valve installations range in complexity depending on the particular conditions on each project, but the resourcefulness of ECS can be demonstrated with this example.

This scheme was undertaken for the Environment Agency, who required the replacement of damaged wooden flap valves that were allowing saline intrusion back into the watercourse they were designed to protect.

ECS installed two 2mx2m Waterfront Fluid Control HDPE composite flap valves incorporating fish friendly outlets, to give a low maintenance solution.

This installation was particularly challenging as the tidal outfall had no mechanism for installation of stop logs and was under neap tidal conditions. This required ECS to provide a temporary dam using sand bags, and we were

limited to 1.5 hours working per day

Despite these challenges, a very cost effective solution was delivered to the client, the custom manufacture was completed within 4 weeks of order receipt, installation completed within 2 days and the innovative Waterfront flap valves afford the client a robust solution with minimal ongoing maintenance liability.

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