

ECS

Water Control 



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ECS Engineering Services Limited offers a complete range of products designed and installed to suit each individual situation. ECS can deliver a bespoke design, installed and commissioned as well as offering maintenance and repair services round the clock.



Fish-Friendly Flap Valves

The specially designed flap valves allow control of tidal flows while still allowing the passage of fish and eels. With adjustable floats, the period of time that the flap valve stays open can be varied to suit individual situations.



Penstocks & Sluices

A complete range of penstocks and sluices are available for almost any installation. Standard sizes in wall or channel mount options are available from stock and bespoke options can be designed and fabricated (usually in the UK) to closely match our client's requirements. Although traditional cast iron options are still available, most installations now take advantage of Waterfront's engineered solution using combinations of stainless steel and HDPE to extend operating lives, minimise maintenance and maximise performance and value. Ongoing maintenance, inspection and reactive repair of your assets (new or existing) can be provided.



Stoplogs

Our range of stoplogs extends from small aluminium or stainless sections through to large fabricated steel units wide enough to work in the largest river outlet. Each is designed to comfortably withstand the required backpressure and fit within existing channels or within fabricated guides that can be bolted to the channel wall. Our diving teams can be provided to install the guide channels even in submerged conditions.



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Flap Valves

Our scope of supply of this common mechanism for controlling flow extends from standard cast iron or HDPE flaps in common sizes off the shelf, through to a whole range of bespoke flaps for inland waterways or tidal structures using stainless steel, HDPE or fabricated mild steel. There is no upper limit of size of flap available as a custom design option using FEA analysis can always provide the best value option for whatever your requirement. Installation services use our experienced teams working to tight windows afforded by tidal movements, or by temporary dams, stop logs, or even working underwater.



Tilting Weirs

For accurate upstream level control, a tilting weir cannot be beaten, combining superior material choices and meticulous design into a low maintenance package that is easy to operate and offers a long, trouble free life. After an initial site survey the entire unit can be delivered to site fully built and can be installed quickly and easily and be fully operational the same day.



Trash Screens

Designed to prevent large debris entering culverts or to protect pumping equipment, coarse bar trash screens can be designed and manufactured to suit each application. The designs usually include a safe access to allow safe manual cleaning of the screens. ECS also supplies and installs a range of automatic weed screen cleaners.

Landustrie 

InfraCore 



ECS
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Water Control  Site Services 
Environmental  Fabrications 

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