Spaans Babcock
Since 1897

120 YEARS OF EXPERIENCE

STRABANE WwTW CASE STUDY

Completed Installation

OVERVIEW

Spaans Babcock were awarded the project by BSG Civil Engineering to design, manufacture and install three compact screw pumps. The Shared Waters Enhancement & Loughs Legacy (SWELL) project is funded by the EU INTERREG VA programme.

Excessive flows arriving at Strabane WwTW caused regular flooding and the loss of untreated sewage load at Strabane WwTW is a significant potential source of wastewater pollution to the Foyle Estuary, contributing towards the failure to meet Water Framework Directive 'Good' status. The new screw pumps will improve flow management, cater for peak flows, and alleviate the pollution issues providing environmental protection for the Foyle Estuary.

Compact screws are fully assembled at our factory which minimises site installation works and simplifies civil structure, design, and cost. With this design all three compact screws were lifted from transport and installed in just one day. The integrated condition monitoring system was then commissioned remotely via a profinet system.

At the peak of the pandemic on the 27th April 2020, BSG working in conjunction with Northern Ireland Water Project Team were able to complete handover over the contracted works ahead of schedule and on budget to NI Water Ops Team.

SCREW PUMP DETAILS

Date of delivery	2020
Installed Power [kW]	75
Design Flow Rate per pump [L/S]	250
Head [m]	9.95
Pump Diameter [m]	1.7

CUSTOMERS FEEDBACK

"An excellent specialist supplier/subcontractor to work with, very experienced and knowledgeable in their field. Good standard of documentation and a high-quality reference site for Spaans Babcock. "
Aidan Diamond of BSG Civils - Project Manager

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