

# Project Name – St Germans Pumping Station

# AQUATIC CONTROL ENGINEERING LTD – Project Profile



The St. Germans Pumping Station is set to be the largest land drainage pumping station in the UK, and ACE were awarded the contract for the project management and installation of the penstocks, flap-valves and stop-logs package.

ACE (Aquatic Control Engineering Ltd) are the sole UK supplier for the KWT Group, based in the Netherlands, one of Europe's leading manufacturers of water control equipment. KWT have a vast experience of design and manufacture of bespoke equipment, both in the UK as well as Europe and worldwide.

The KWT Group used the latest technology to design and fabricate the equipment, using Auto-cad Inventor 3d modelling software, as well as their in-house laser cutter and robotic welding equipment.

ACE carry out the project management of all UK-based projects supplied by KWT, and offer a wide range of services including installation, commissioning, site liaison and survey, as well as supplying supplementary items such as actuators and hydraulics.

For the St. Germans scheme, there are 24 custom-built structures, including 6 hydraulic penstocks, 6 multi-stage flap-valves and 12 stop-log assemblies for isolating the channels. These were all designed specifically for this project, incorporating a number of innovative features to enhance their performance and maintenance accessibility.

ACE are installing the water control structures, and are also supplying the hydraulic equipment, including 6 cylinders and 3 Power packs for controlling the penstocks, supplied by Dale (Mansfield) Ltd. Dale are a very well known company, with manufacturing heritage of over 35 years in the design and manufacture of hydraulic equipment. ACE involvement is approaching completion with all the structures now installed on site.

ACE and KWT have been supply partners for over 12 years, and in this time, our products have become very popular in the UK, having carried out a large number of high profile projects, for The Environment Agency, British Waterways, Internal Drainage Boards and water supply authorities, on projects for flood alleviation, land drainage, tidal outfalls and process applications. For more details on our products or services, please contact us on 01777 249080, or take a look at our website, [www.aquaticcontrol.co.uk](http://www.aquaticcontrol.co.uk)

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