



Project: United Biscuits

Location: Carlisle, Cumbria

Flood Control Valves

Client: Pladis Global



The 5 day storm Desmond devastated Lancashire and Cumbria in December 2015 leaving an estimated 5,200 homes affected by flooding and 43,000 homes experiencing power cuts. Also affected was the Carrs factory (part of the pladis group) in Carlisle where famous brands like McVitie's Ginger nuts and Carrs Table Water are made and then distributed.

The flood water rose above a metre and subsequently halted production to the site. It took four months for the site to fully recover, which included an extensive period of clean up and repair.

In order to guard against similar future events, the company commissioned the design of a flood defence at the site to protect the factory.



ACE were employed by Pladis Global to deliver and install flood control valves: 38 WaStop® non-return valves, 9 actuator controlled ACE penstocks and a local control package to work in tandem with the penstocks. Penstocks are not only easy to install to their light, innovative design but the ability to enable programmable logic control makes them easy to use.

WaStop® valves are also easy to install and reliable as they act as a barrier to prevent backflow of liquids making the valve less susceptible to obstruction and are also resistant to rodents.



Due to ACE's decades of experience, all problems encountered during the project were swiftly rectified, *"The installation and commissioning of the penstock and WaStop® valves was carried out in a professional manner by ACE with any problems arising being dealt with promptly. On behalf of Pladis I would like to thank ACE for their contribution to the flood defence scheme."* - Nazim Gire, Project Lead Director

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