



## Bolton WWTW

20 kVA AC UPS  
IP54 Enclosures

**G**alliford Try-Costain-Atkins Joint Venture was awarded a number of contracts by United Utilities as part of a £2.9 billion asset management programme (AMP4) covering water and wastewater improvements throughout NW England.

Part of this contract involved significant refurbishment works on the existing Bolton Wastewater Treatment Works.

Harland Simon UPS Ltd. won the contract to supply and install 2 x UPS systems to backup storm and inlet actuators.

The UPS systems consisted of 20 kVA 3 phase Borri UPS's fitted into IP54 sealed enclosures complete with thermostatically controlled anti-condensation heaters, fans and filters. An external maintenance bypass was installed to allow the UPS's to be totally isolated for maintenance and repair.



From point of order the complete design, build and installation was completed in 7 weeks and involved a huge amount of co-ordination and project management including highly detailed mechanical and electrical design.



- » High ingress protection enclosures to IP54
- » Three phase 20 kVA AC UPS
- » External maintenance bypass switch
- » CAD drawings
- » Project GANTT charts
- » Site services including site survey, delivery and commissioning

*"Harland Simon pulled out all the stops to turn this around in 7 weeks which included manufacturing of the IP54 enclosure to protect the UPS system against the end user's harsh environment."* Andy Parfitt, Sales Director HSUPS.



Galliford Try-Costain-Atkins (GCA) is a joint venture specifically formed to deliver detailed design and construction of water and wastewater treatment works for United Utilities Southern area in its AMP4 and AMP5 programmes.

Harland Simon UPS Ltd • Bond Avenue • Bletchley • Milton Keynes • MK1 1TJ  
T: 01908 56 56 56 • E: enquiries@hsups.co.uk • W: harlandsimonups.com

