

## Q8Aviation

## Booster Station Refurbishment

**Project:** Bristol Royal Portbury Docks GPSS Booster Station  
**Service:** Project Management  
**Project stage:** Operation and Maintenance  
**Product:** Aviation Fuel  
**Region/Country:** UK  
**Value:** £300k

**BPA acted as 'Owner's Engineer' for Q8Aviation by providing pre-tendering technical support, construction management and CDM coordination on a project to re-habilitate a damaged pumpstation on a major UK pipeline system.**

The Booster Station at Royal Portbury Dock facility in Bristol supplies product into the 2000km GPSS system (Government Pipelines and Storage System) managed by OPA. The pumpstation which plays a key role in supplying aviation fuel to customers at Heathrow and other airports across the UK, is built on made up ground which had started to subside causing structural problems to site infrastructure and potential differential overstressing of the site pipework. The objective of the project was to correct this situation in a very limited shutdown window with costly tanker demurrage charges associated with any delays to the programme.

BPA acted as the Owner's Engineer on the project from defining requirements, through system design specification, to project management of Planning, Pre-Shutdown Construction activities and Construction, Commissioning and handback Phases. BPA delivered the project without disruption to the ongoing operation of this strategically important asset, at the same time saving the client a large amount of potential project spend by avoiding the need to implement a planned risk mitigation measure of bypassing the site to allow emergency operation should the project have overrun.

**Mark Welch, Q8Aviation's Supply and Logistics Director described the project as: " A great job by all concerned and a superb example of how things should be done".**



Planning

Design

Construction

Operations

Management