

Case Study

Flood Mitigation Measures

Anglian Water



Anglian Water's motto is 'Love every drop' and they do. They take the responsibility of delivering water to their customers and recycling wastewater, with as little impact on the environment as possible, very seriously.

Anglian Water serves a large portion of Eastern England, providing drinking water to parts of Bedfordshire, Buckinghamshire, Cambridgeshire, Essex, Lincolnshire, Norfolk, Northamptonshire, Nottinghamshire and Suffolk. It's drainage and sewerage services cover an even wider area, stretching from the Humber in the north to the Thames in the south.

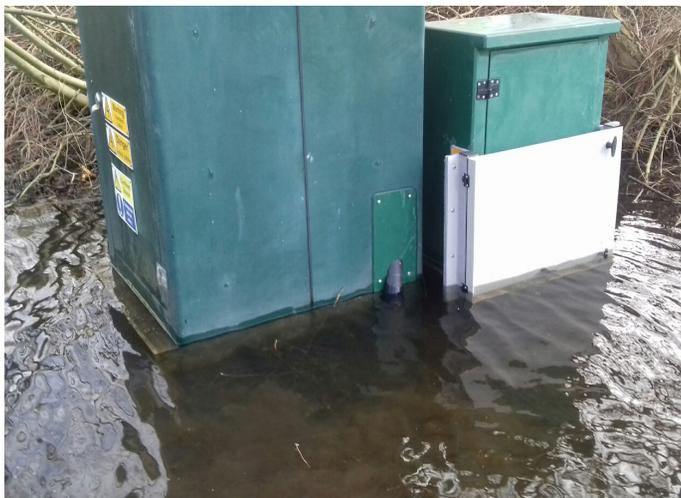
Specialist help

As part of its Asset Management Procedure (AMP) commitments Anglian Water identified that several of its sites were at risk from potential flooding. The UK has been subject to changing weather patterns over the last few years and flooding is has become a real concern in some areas.

Adler & Allan was brought in to provide flood mitigation expertise and secure some of the water company's sites against the risk; from both water ingress and potential contamination spreading from the site to surrounding water courses. A range of Adler & Allan's flood mitigation products were used in this work, including its patented JBAR® system and flood security door.

JBAR® is a unique flood defence system that was originally designed for oil containment; it has since been upgraded for a wider range of applications where key asset sites and structures need protection. A dual-purpose product, JBAR® is designed to retain and/or withstand fluids from either side.

JBAR® has been used at the majority of Anglian's sites, with as many as five installed in some locations. A&A also developed a site specific barrier and low level access gate to work alongside the existing system - the company's engineers are able to tailor solutions to any situation.



Minimal disruption

There's no let-up at Anglian Water's water treatment sites so the mitigation measures that A&A prescribed had to be deliverable with minimal disruption to the site and day-to-day operations. A dedicated programme was devised to meet the client's needs before work began.

Challenging conditions

The weather over the installation period was particularly wet, which meant the teams faced challenging conditions during fit out. To minimise the weather's impact on the schedule of works, A&A drew up a plan that saw teams completing non-weather dependent tasks during the periods of heaviest rain.



The Outcome

Adler & Allan was able to help Anglian Water in ensuring its assets were protected from harmful water ingress, and its environmental commitment was upheld.

The water company takes its environmental responsibilities very seriously, promoting them through a range of Catchment Management initiatives. These include enhancing biodiversity across the region and working with farmers and local businesses to understand the challenges and opportunities in safeguarding raw water sources. With this in mind, Anglian Water need to protect the natural environment from harm and Adler & Allan's expert solutions support them in this.

Horning Ferry, one of the sites where flood defences had been installed, was indeed flooded in March and the mitigation measures that A&A installed meant that neither the assets or the local environment were impaired.

A&A benefits

- Delivery on time
- Minimal disruption to working assets
- Cost-efficient measures
- Dynamic project management

A developing relationship

Anglian Water has since asked A&A to undertake more flood mitigation work at various sites during its next AMP period. And, in addition to flood mitigation works, A&A is carrying out a programme of tank refurbishment and maintenance across various sites, including the installation of its Sockit filtration system, which is a neat and very economical way to prevent polluting solids from leaching into water sources.

Thanks to its dedicated R&D team, Adler & Allan is able develop solutions that fit the changing business and environmental challenges of its customers.