

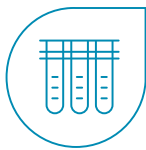
Customer Case Study



Anglian Water are targeting Net Zero operational emissions by 2030. 6% of AW carbon emissions are from their vehicles and 57% electrical consumption. Adoption of innovational technologies that assist carbon reduction and measurement to qualify that improvement is seen as key to NetZero.



REDUCING
ENERGY



REDUCING
POLLUTION



REDUCING
EMISSIONS

The challenge

Wyndham had been a troubled station for a significant number of years. The station takes both foul and storm infiltration. There were frequent reactive attendances to site due to pump blockages, presenting a flood risk to customers, adjacent road and near the river. The station required two cleaning visits each year which was particularly problematic because of the depth of the wet well, with the added challenge of the station located in an open public area.

The process

Xylem worked with Anglian Water's Maintenance Performance & Standards team in May 2018 replacing one of the existing 2016 pumps with a single Xylem Flygt Concertor N6020 Intelligent pump, a Xylem Control panel fitted with an XPC (Extended Performance Control) system. The one existing pump set was configured to run only if the level rise to the assist level. During the trial the manual sump cleaning was extended to 12 months. The station was monitored by Anglian Water for 15 months. In October 2019, the station was completely upgraded to a dual Concertor pump and XPC system. Anglian Water continued to monitor the station for performance and wet well cleanliness. The pumps were lifted and inspected for condition / wear in July 2021.

The outcome

- No reactive visits to site due to pump blockages since installation of the Flygt Concertor Pump(s) May 2018 to current (Feb 2022).
- 2020 Anglian Water decided that the sump should only be cleaned as and when required, and no longer on a calendar basis. Saving £592 per annum plus reduced disruption to the public.
- Impeller wear was measured after two years with minimal wear - no adjustment required.
- Reduction in consumption of fuel associated with transport as a result of reactive site visits, manual sump cleaning and electrical savings equated to an 84% reduction in CO₂e.

100%
reduction in site
attendance due to
pump
blockages

90%
reduction in
site costs

29%
reduction in
power
consumed

84%
reduction in
operational
CO₂e

Countdown to zero.

xylem
Let's Solve Water