

Customer Case Study



Xylem rental team helps a key customer whose system is pushed to the limits by excessive rainfall and seasonal change, with a temporary intelligent solution preventing harm to the environment.



REDUCING
POLLUTION



REDUCING
FLOODING



RAISING
AWARENESS

The solution

Xylem provided a rental solution which included pumping equipment to feed the desired flow to mitigate flooding, mobile screening plant to filter/remove solids and dispense into a skip for disposal, washwater pumping system, intermediate pumps to forward the cleaned liquor through the UV unit, Wedeco containerised UV reactor, generator to power the solution, control system to operate the solution and remote monitoring.

The process

We worked with the customer to understand the problem, exacerbated by weather patterns, to deliver a full solution. The customer was trained on system for local operation and supervision.

The rental system involved 2 Flygt sewage pumps (duty/standby for back-up) feeding a screening plant, then a further 2 Flygt sewage pumps (duty/standby) dry well surface mounted controlled by variable frequency drives to pump a controlled steady flow to the Ultra Violet (UV) disinfection unit (Xylem supplied LBX850 model) mounted within a portable container. From the UV unit the output was discharged via 12" pipework 25 metres to the river.

A flow meter was installed between the screening plant and UV unit to regulate and balance the flow- critical for passing through the disinfection unit. A 100KW generator was provided to ensure consistent power supply.

The outcome

The quick, efficient, turnkey solution ensured the customer stayed within the consent levels required by legislation, ensuring compliance and safety of the local ecosystem. Our 24/7 teams remotely monitored the solution over a period of three months to ensure a safe, sustainable and compliant operation that met the customer's goals.

"As an Original Equipment Manufacturer (OEM), Xylem customers benefit from our state-of-the-art energy efficient products, intelligent monitoring and control capabilities and our talented engineering teams. With climate change and natural disasters at unprecedented levels, our solutions are sustainable, eco-friendly, reliable and we're on standby 24/7 to solve critical water challenges faced by customers during their toughest times."

Guy Fitzpatrick Sales Director Industry, Infrastructure and Rental, Xylem UK & Ireland

Zero
downtime

24/7
remote
monitoring

100%
compliance

No
harm to the
environment

Countdown to zero.

xylem
Let's Solve Water