



Efficient off-site construction for waste water treatment at Uttlesford Bridge.

SUMMARY

Morgan Marine was integral to the upgrade of Uttlesford Bridge Water Treatment Works (WTW) near Saffron Walden, a project aimed at replacing UV and borehole pumps to enhance efficiency and resilience in water treatment operations. To support this, a high-security LPCB SR4 kiosk was manufactured using durable GRP, providing long-term protection for critical pumping, MCC, and disinfection facilities.

LOCATION: Uttlesford Bridge WTW, Essex

PRODUCT USED: LPCB SR4 GRP
- Semi-gloss finish

KIOSK SIZE: 20m x 4.5m x 3.0m high

DATE: 2017

SCAN THE QR CODE

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The GRP kiosk, measuring 20m x 4.5m x 3.0m high, was designed with a steel base, extension legs for flood protection, and an integrated desking system with a staircase for ease of access. To meet the site's electrical requirements, the structure included extraction vents and thermostats to regulate internal conditions and maintain optimal performance of housed equipment.

Given its substantial width, the kiosk was delivered in three equal sections with police escorts to comply with transport regulations for oversized loads. In addition to the main facility, a standby power generator, along with a new fuel delivery area and improved access arrangements, was

installed to protect the site from power failures, ensuring continuous water output to the region.

This project demonstrates the advantages of off-site construction, significantly reducing health and safety risks, minimising raw material waste, and lowering the overall carbon footprint. By streamlining installation time on-site, the approach also delivered financial savings, reduced shutdown periods, and minimised disruptions to local residents and businesses. The successful implementation of this project highlights Morgan Marine's expertise in delivering secure, efficient, and sustainable infrastructure solutions for critical water treatment operations.