A47 RDP Projects, Infrastructure

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Case Study No: BLO-005

Knowledge/Case Study Type:

Quality, Efficiency & Improvement

Environment, Sustainability & Carbon

Innovation & Digital Technology

Key Points:

- Risk Reduction
- Environmental Risk Reduction
- Refueling Best Practice
- Efficiency and Carbon Reduction

Description

The A47 Blofield and Tuddenham Project have collaborated with T&M Bowser Solutions to introduce FUEL SERVE. This initiative centralises refuelling activities, meaning that site vehicles, including pickups and vans, will no long need to make trips to fuel stations. They can now fill up directly from the T&M refuelling station, located at the project's construction compounds.

Implementing a centralised refuelling station has several benefits:

- Significant cost and time savings
- Reduced emissions
- Fewer vehicle movements on public roads and less congestion.

Action

Having a centralised refueling point is a big win for efficiency, safety and carbon reduction. It also means fewer vehicles on public roads around the projects, reducing congestion and minimising time wasted at fuel stations.

Result

Key installation dates:

- A47 Blofield – tank delivered on January 16th, 2025, commissioned on 28th January 2025.
- A47 Tuddenham – tank delivered on 7th February 2025, commissioned 14th February 2025.

The tanks are equipped with:

- Auto cut-off nozzles that automatically shut off when the vehicle/machinery's tank is full, preventing overflows.
- A double-bunded design for added security.
- An overflow alarm and bund leak alarm
- A Fuel Serve pump enclosed within the bund for protection and to prevent spills.

The FUEL SERVE equipment is also situated on a concrete refueling platform, which has the capability to capture any spills and contain them within an isolated manhole. This adds and extra layer of protection when refuelling. The refueling pump will automatically stop when the vehicle is filled.

Galliford Try vehicles have been installed with a sensor which is connected to the refueling station. The pump will only allow for fuel to be distributed once the sensor has been recognised, therefore adding another level of security and safety.

Transfer

This T&M Fuel Serve Initiative can be transferred to any project that requires a centralised plant/equipment refueling service.

For further information on the initiative, please contact:

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