

case study: gully sensors City of Westminster

How it started

With around 16,500 gullies in their drainage network system, Westminster City Council needed a better understanding of how a proactive maintenance model could help them better manage their assets. Through FM Conway, Westminster approached map16 for a predictive asset management solution, to fully integrate with their current system.

The solution

map16 installed numerous sensors within gullies around Westminster, strategically placed in high flood risk areas across the city to enhance flood prevention efforts. The map16 platform was integrated directly into Westminster City Council's existing maintenance management system, allowing for seamless data flow. Live sensor data, including water levels, silt levels, and lid status, are fed continuously to the users, providing real-time insights. The system displays historical asset data and detailed gully level timelines, enabling comprehensive analysis and tracking over time. For ease of reporting and further analysis, data can be effortlessly exported from each dashboard with a simple click of a button, ensuring that critical information is readily accessible for decision-makers and maintenance teams.

The benefits

This project aims to help Westminster City Council achieve significant financial reductions in annual drainage cleansing costs by employing proactive methods that ensure gullies are only visited and cleansed when necessary. This targeted approach eliminates the inefficiencies of routine, non-specific maintenance schedules, leading to substantial cost savings. Additional savings will be seen by mitigating flood-induced damages, which can be extremely costly in terms of repairs and associated economic disruptions. With enhanced knowledge of their assets, the council can boost productivity through the platform's automated warning functionality, which alerts maintenance crews to potential issues before they escalate. Live, interactive map views further increase efficiency by enabling crews to navigate directly to the assets requiring attention, minimising travel time and ensuring timely interventions.

