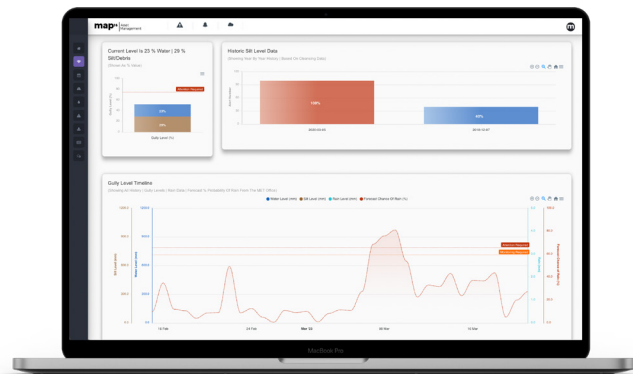


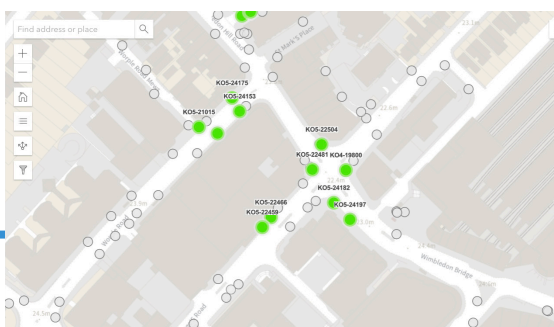
## Transport for London Gully Sensor Platform



Pedestrian subways amongst London boroughs are relied on heavily to ensure the public can get around the city safely, without having to cross busy roads. TfL noticed a number of subways were flooding due to blocked and overflowing drains, and because of this, pedestrians, including school children, were avoiding walking through the subway, and instead took a busy main road route. FM Conway approached map16 for an IoT based solution to this problem.

### the Approach

After a site inspection with FM Conway and TfL, map16 proposed the installation of 29 strategically placed sensors within the gullies that were contributing to flooding. Sensors were placed within each of these high-risk gullies, allowing users to see live asset information and real time gully analytics, whenever they need to. Data such as live water levels, historic levels and current and historic risk ratings can be accessed within one user friendly, easy to navigate dashboard.



### the Benefits

With this information, TfL are able to adopt a proactive maintenance model and make informed decisions around how to deal with their most troublesome assets effectively.

By frequently monitoring gully levels and identifying potential flooding risks, TfL can navigate to and treat high level gullies before flooding occurs, consequently keeping the subways moving and public safety a priority across the city.