

## DRAINAGE RISK MANAGEMENT

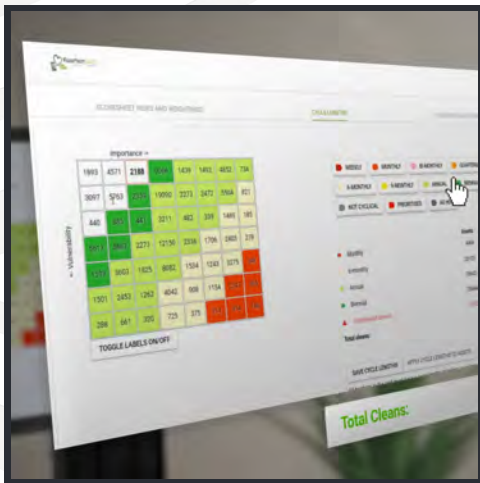
### THE PROBLEM

Councils aiming to work smarter are looking to adopt a strategic risk-based approach to drainage management, in line with DfT guidelines, in order to reduce flood risk and improve the safety for all road users. In order to facilitate this endeavour, KaarbonTech is able to create risk-based programmes, however historic data requires full review to ensure it is robust, reliable and accurate.



### THE APPROACH

Historic inspection data is reviewed, correlated, cleansed, and formatted to enable analysis by KaarbonTech specialists. Any inconsistencies to inspection frequencies, lack of records or condition data is noted with a report created on any areas that require additional survey data. This data is then interrogated and uploaded into a risk modeller, which includes, flood data, average silt levels, leaf fall, along with customer reports. The model is risk scored using councils specific requirements to produce an accurate risk model for ongoing maintenance.



### THE RESULT

Risk based programmes are designed to improve productivity enabling the gullies that are most in need to be cleansed on a more regular basis, with programming of those less in need, having extended timescales between cleanses. As the cleansing programme progresses, new data, including more accurate silt level data, is also recorded, so that programmes can be adjusted as needed, according to budget availability and need.

