Plant I Gully Cleaning Telemetry

Plant i implement Gully cleaning system for

Shropshire County Council

"We've been impressed at how Plant i have understood our business and tailored their system to meet out GPS needs" Darren Merrill - Asset Planning Manager Shropshire County Council

The likelihood is that your **Gully Cleaning** teams still record all the work through manual logs and that re-work costs and instances are high. You maybe unsure of the conditions of the Gullies and exactly where they're located on your **GIS Systems.**

With this is mind and following on from the successful implementation of the telemetry system to the entire fleet of winter gritting vehicles. Matrix and Plant i were chosen as the primary Telemetry suppliers for the gully cleaning fleet - as we were now classed as a safe pair of hands, technically good and with excellent backup.

As with its other products, the Matrix gully cleaning module uses GPS to establish the location of the vehicle, the information is automatically transmitted via GPRS and the position of the vehicle is then recorded via the electronic mapping.

The onboard system is linked to specific inputs and outputs that controls the gully cleaning operation so an extremely accurate record of gully cleaning activity is captured - job data is transferred via a two-way messaging system (MDT), allowing the driver to communicate important job information. This information is available to the asset planning managers in real time for accurate reporting or incident management.

The Telemetry gully module has been specifically designed in conjunction with Shropshire & Anglesey Council & is installed and supported by Plant i on the ground. The system has become invaluable as a management tool in auditing & validating Shropshire's current gully record data i.e. is gully in correct position / what is its condition etc - this is then exported to their MapInfo GIS to be kept as permanent records.

Following the Freedom of information Act 2000, it has been also used to provide evidence to members of Shropshire's general public when they have enquired about a particular drain - within 15 minutes of the enquiry they've made been able to provide accurate information on it's services.

The system records all of the standard requirements for a gully operation i.e. number of gullies cleaned, duration of clean, idle-time, speed and location of the vehicle at any time – it is make and age agnostic, which allows us to install this on all models, regardless of make or age.

The gully module provides Shropshire County Council with the following information:

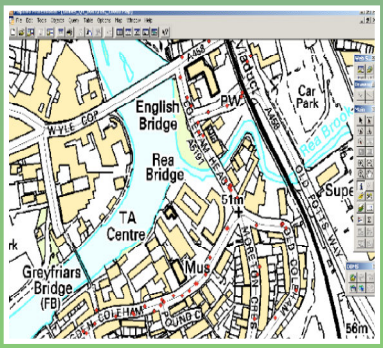
A position update with ignition on every 1 minute giving driving speed and position on a map and in a report.

- **A mapped trail of each journey along with a street by street report will be available.**
- **Two-way messaging system allowing driver to send job data back to head office**
- **Detailed position of Gully cleaned.**
- **Duration of Gully cleaning.**
- **Pre-set MDT messaging for reasons why a gully couldn't be cleaned and what mode it is in:** Broken Grid / Blocked / Grid Jetting / Parked / Taking on water / Tipping waste / Vehicle broken etc
- **Employee time-sheet for the day/week/month showing time started/finished/driving and allowing the company to ensure working time directive compliance.**
- **Idling & Driving time by employee.**

The system can be tailored for specific customer requirements and has now been successfully implemented into other councils like Anglesey.

GULLY

Gully positions plotted on Shropshire system from Matrix GPS telemetry system



"An invaluable tool for recording gully cleansing data"

Darren Merrill.