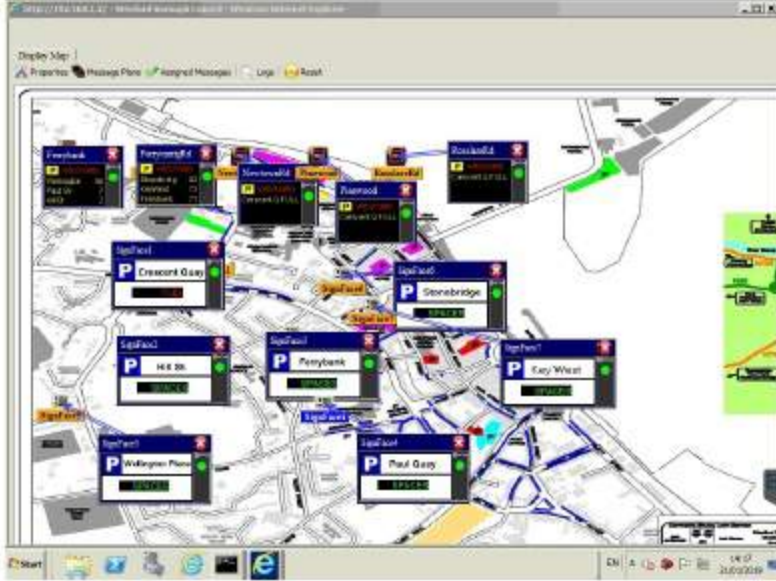


Wexford Town Centre Parking Guidance System

In 2014-15, **A.G.K. Ltd.** And **Daktronics** installed an electronic Parking Guidance Information (PGI) system in Wexford Town Centre. The system was designed to provide an enhanced driver experience of Wexford Town Centre by providing real-time parking information on all approaches to the town and at the main town centre car park entrances.

The System includes:

- 7 Car Parks**
- 5 Full Matrix Variable Message Signs**
- 6 Car Park Entrance Signs**



1 - PGS software screenshot



2 - Full Matrix VMS

The system was designed to provide Parking Guidance Information (PGI) for 7 Car Parks within the town centre area, 5 of which are Council-owned surface Pay & Display Car Parks and 2 of which are privately-operated off-street facilities. Each car park is equipped with Vehicle Detection Sensors and communicates real-time parking space availability information to the central control server located in the Council office from where it is wirelessly transmitted to the various electronic parking information displays.

Five Full Matrix Signs were installed on each of the main approach routes to the town, while the dynamic PGS signs were installed at the entrance to each car park. The car park controllers and signs use wireless mobile communications as the most reliable and cost-effective solution.

The Full Matrix Signs are dual colour displays (red and amber) and are used to provide both event and incident information. Parking information within the town centre are also displayed on these signs. The dynamic PGS signs are also dual colour display, however in this instance the colours are used to highlight the status of the car parking availability (Green for 'Spaces' or 'Open' and Red for 'Closed' or 'Full' messages).



3- Car Park Entrance Sign

The PGS management software is installed on a server within the Wexford Council offices and is accessible to administrative staff via an internet browser behind the Council firewall. The GUI consists of a map of the town centre with icons indicating the location of each sign and car park. The system is self-diagnosing and monitors the health status of all elements of each sign and car park controller unit. Should an issue arise with any element the relevant icon on the GUI displays a red **X** and the user may then interrogate the system to assist the resolution of that issue.

Through co-operation, management of expectations and effective communications between all parties a key piece of ITS infrastructure has been delivered in Wexford which enhances drivers' experience of the city. The client has expressed satisfaction with the delivered system and has received very positive feedback from customers and car park operators alike.