REMOTE MONITORING SYSTEM

Urban Traffic Management

PEEK by dynniq

www.peek.hr

The efficient and sustainable city

Maximising the availability of a city's on-street technology assets leads to optimum efficiency, minimised environmental impact and lower operating costs. Understanding the status of the assets is a key step and when equipment fails, you need to know quickly and be able to respond to the impact of the failure. Sometimes this may necessitate taking overriding control of other assets to mitigate the impacts of a failure. Occasionally you may want to take control to bring about a particular temporary situation. The Peek RMS enables you to do all of this with one, easy to use, secure, integrated solution.

Understanding your asset status

The geographic map of the RMS provides an 'at a glance' display of the monitored equipments' real-time status. Individual sites reporting problems can be located rapidly and the specific faults identified. Facilities in the RMS can provide an operator with direct access to the monitored equipments' own fault logs for better diagnosis before sending out an engineer. Tools are also provided to automatically alert service personnel to problems on site via email and SMS if required. Real-time informational data can also be collected from field devices to assist in understanding patterns of usage. Remote control of individual or groups of devices can be achieved by the issuing of commands by suitably authorised users. Operations can also be scheduled to occur at any time of the day.

RMS improves asset management and control

- Improves fault management throughput by enabling multiple users to access information simultaneously
- Eases fault identification by providing informative geographic map-based displays
- Allows users to see what they need to see by tailoring asset views to suit their needs
- Permits access to many users but permissions can be controlled to appropriate levels
- Reduces the time to respond to faults by providing instant notification of field equipment problems
- Reduces the time taken to alert engineers to problems through the instant SMS & email services
- Minimises the effort required to monitor the assets
- Simplifies the process of fault tracking via its active alarms summary
- Can capture field collected data allowing usage trends to be identified
- Enables efficient control of field equipment by allowing access to the equipment's own facilities as if the user were on street
- Minimises attendance on street by enabling both regular and event orientated scheduled execution of controlling commands to groups of field devices
- Enables checking of coordination of groups of traffic controllers via its time-space diagram
- Improves traffic safety

The above lead to improved traffic safety.

Modern communications

The RMS is a client-server based product enabling all users to have remote access using only standard web-browser software. This remote access approach enables the system to be hosted either by the client/ system operator or remotely by a 3rd party. With all communications being IP based, a wide range of cost-effective methods can be used to connect to the field devices and access can be provided over the internet.

Dynniq/Peek's policy

Dynniq/Peek believes its products have to contribute to a liveable and sustainable society. RMS promotes more effective use of field engineers and assets and fits within Dynniq/Peek's policy for corporate social responsibility.

Specifications

The table gives a summary of the RMS functions and capabilities. For more detailed information about the use of RMS please contact Dynniq/Peek.

Monitoring of field devices	• Equipment status and operational dana. • Immediate operator notification of faults. • List of currently active alarms. • History events logbook and history database search.
User notifications	• SMS and e-mail reporting of critical events (alarms) to individuals or groups of subscribers according to time-table schedules.
Graphical User Interface	• Map-based display showing 'status at a glance' of field devices being monitored. • Hierarchical views covering the whole system down to local areas, groups of field devices and to individual field devices displayed with configurable pictograms of field devices and groups. • Organisation of field devices into logical groups for ease of management.
Remote control	• Commands to individual or groups of field devices (immediate, time-table scheduled) e.g. to put controllers into amber flashing. • Access to field device local controls e.g. traffic controller's web interface.
Remote access	• Display of traffic controller's Intersection View and Phase diagram.
Management and user permissions	• Users can be allocated into groups with defined permissions. • Typical groups defined for Administrators, Field Engineers and Operators.
Other functions	• Display of traffic controller's Time-Space diagram (including recording & playback). • Collection of on-street data from suitably equipped field devices e.g. EC-2 traffic controllers.
Mapping data	• Maps downloaded from open-source data (Open Street Map), stored on mapping server or accessed via internet from Open Street Map.
Supported field devices	• RMS supports multiple field devices by use of adapters. Facilities available to the RMS user will depend on the capability of the field device and the associated adapter. Additional adapters can be developed to support other field devices.
System dimensions	• More than 1000 field devices can be monitored. • Unlimited simultaneously logged in users. • Unlimited preset views. • Unlimited SMS and email subscribers. • RMS server and Mapping server (if used) can be separately located. • RMS requires Windows XP, 7 (32 or 64 bit) or Windows 2008 Server.
Client software	• Firefox, Internet Explorer 8 and above, Google Chrome.
User interface	• Multilingual web based user interface.
Communication	• RMS is fully based on internet technology. • Support for both wired and wireless IP networks.