



telent's Remote Monitoring System Provides a Single, Hosted Solution for any Controller

The telent Remote Monitoring System (RMS) is a widely supported, web based architecture which is managed and hosted by telent. The system is capable of monitoring controllers from any manufacturer and also integrates CCTV cameras.

Overview

The telent Remote Monitoring System (RMS) has evolved from a locally installed application to a widely supported web based architecture which is managed and hosted by telent.

This architecture allows for mobile working and operational portability and has been rendered to operate on multiple platforms.

The RM application has been designed by engineers experienced in managing and maintaining traffic control equipment, monitoring on street controllers using IP communications, via GPRS, 3G or ADSL, utilising the optional embedded RM software within the Optima or the new Optima Remote Monitoring Unit (R.M.U) which is capable of monitoring controllers supplied by any manufacturer.

Site Safety/Resilience

telent understand the need for operational staff to have a clear understanding of the status of a site and more importantly the requirement to be informed should a site lose power.

To support this requirement, both the Optima Traffic Signal Controller and the Optima Remote Monitoring Unit are supplied with battery back-up. This allows a last gasp message to be received on the RM Application in the event of a site losing power, therefore informing the operator of this safety critical event.

Serious faults (including power failure) are reported by email and/or text message to facilitate a timely response, particularly when control rooms are unmanned.

Remote Handset Access

The RM Application enables the operator to invoke/configure/instruct the monitored controller using handset commands (Level 2 – Non Safety Critical Commands) via an integrated GUI. This allows a remote operator to interrogate a controller and provide an initial diagnosis without the need for a site visit.

Live Data View

A near real-time view of signal and detector states along with controller mode is available for Optima controllers, giving a live indication of how a junction is performing. This can be displayed on the standard mapping or on a site drawing uploaded by the user.

CCTV Integration

CCTV coverage of the junction or crossing can be displayed alongside the other views to further enhance users situational awareness.

Optima Remote Monitoring Unit (R.M.U)

The Optima RMU has been developed to allow controllers supplied by any manufacturer to be added to the telent remote monitoring system.

- Battery back-up
- 3g/GPRS/ADSL communications
- Remote access to handset port
- Re-use of existing IP comms if available

Optima Integral Remote Monitoring Unit

Integral remote monitoring is an option available on Optima controllers consisting of an embedded software process along with a battery back-up unit.

- Battery back-up
- 3g/GPRS/ADSL communications
- Remote access to handset port
- Re-use of existing IP comms if available
- View live signal and detector data

Summary:

The telent Remote Monitoring System utilises interactive maps and a simple interface, providing users with the required level of detail needed to assess and manage the condition of their roadside assets.

Benefits:

- Hosted system—no additional IT to manage
- Works with any controller
- Last gasp message on power fail
- Text/email alerts for serious faults
- Integrated CCTV view of junctions/crossings
- Remote handset connection

