

M2M Wireless Data Transfer...



Any Data...Any Time...Any Where



QHi -Systems

THEMAL MONITORING - PROCESS - WIRELESS TELEMETRY - INTEGRATION

GSM/GPRS/GPS Wireless M2M Telemetry

The Network

As a Vodafone Primary partner, QHi can provide a secure fixed IP data network residing within the global Vodafone infrastructure, as well as the data SIM cards per device. GPRS enables "always on" connection, as opposed to dial up modems. In addition, there are no distance, weather, or terrain limitations.

The Telemetry Devices

The MT range of wireless telemetry devices offer an unparalleled level of sophisticated I/O functionality, similar to that found in PLC's. This is combined with the low cost, connectivity of the cell phone network. Another feature of the MT range is its scalability; up to 65,000 devices per customer, can be connected on a single network. Simultaneous transmission to/from multiple devices (including text messages / alarms to mobile phones). Mains or battery power.

The Software

The easy to use MT Software means device configuration and function programming (just like a PLC). Features include, remote & local configuration, access to data via OPC or ODBC interfaces or via CSV files, visualisation, archiving, & web based analysis.

The Applications

The diversity of applications is limited only by the imagination. In brief it can be summarised as any situation where data currently cannot be economically gathered from remote locations, or where it currently has to be collected manually, it also includes, (because of the MT range's unparalleled functionality), locations where events trigger responsive action, without the need for human intervention. In consequence condition monitoring of key assets, and predictive responses to acquired data become an economic reality, where previously it was impossible or uneconomic. This new level of connectivity means innovative solutions can be applied to problems, resulting in new revenue streams, or cost savings, or even a combination of both. The latest GPS enabled model enables easy, cost effective fleet management for smaller organisations.

Some examples of applications include:

- Pumping station monitoring & control (water / waste water industry + oil/gas)
- Water level monitoring / auto alarm (wells, water intakes, rivers, sea)
- Tank level monitoring (water, oil, gas, petrol, grain etc)
- Weather station data transmission
- Air pollution monitoring
- Alarm systems (domestic, marine, commercial)
- Condition monitoring of critical equipment in remote locations (electrical, mechanical, temperature, vibration, flow, pressure, level etc)
- Temporary monitoring to identify intermittent faults (no hard wiring)
- Vending machine filling requirements
- Maintenance providers remote monitoring of client assets.

These represent only some of the many applications which can benefit via the use of this emerging technology. QHi is at the leading edge, with its ability to provide a "Total Solution" from secure network, data SIM card and unparalleled hardware devices, to hands on experience and expertise in providing industrial and building services technology based solutions for over 15 years, to a blue chip, client base.

If you would like to explore how M2M wireless technology could benefit your business, without obligation, please call us on +44 (0)1582 461123.



For further information

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