Remote Condition Monitoring of Railway Infrastructure

A unique remote and secure monitoring service, protected by Ofcom licence that seamlessly interfaces with existing telemetry and alarms. Powered by mains, solar or battery, communication is effective over 10m to 50km.
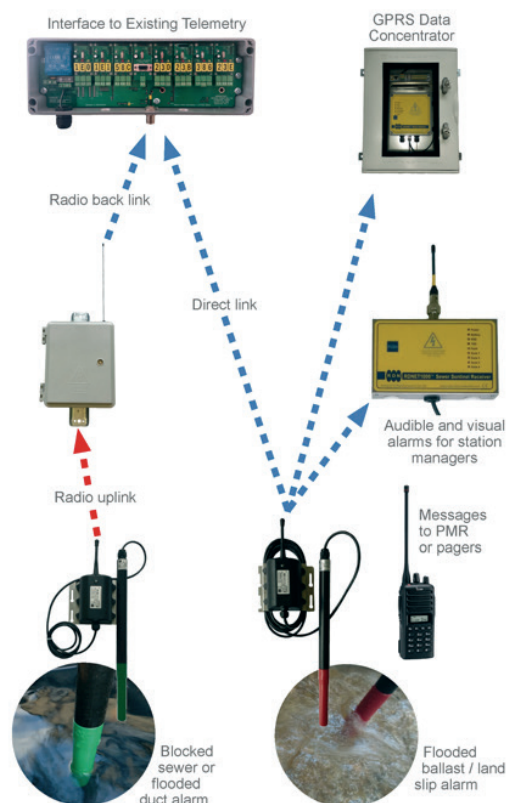
Features

- Wireless communications via exclusive private network frequencies

- Not dependant on public networks or externally supplied communications

- Proven, simple to install, use and very effective

- No software, programming or configuration

- Up to 10 year life on probes from low power and minimal comms

- Fully functional 24 x 7 x 365

- Automatic self-testing

- 5 minute "health check" messages

- Off-the-shelf technology and devices; 10,000s in use world-wide

- 100% cyber secure

- Single Fixed fee – no SIM cards to top-up or be stolen

- Fully expandable

- IP68 waterproof

There is no software or programming and in many cases calibration requires nothing other than the physical positioning of the sensors.

Applications

- Blocked sewer monitoring stations

- Flooded cable duct alarms

- High sump level alarms

- Ground water level monitoring

- Water main leakage

- Land slip monitoring

- Rail temperature

- Pavement ice warning alarms

- Oil inceptor alarms – depots

- Security alarms for trackside assets

- Track void monitoring

- Fault reporting

- Bridge collision monitoring

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