



Sub Station Monitoring & Early Warning System

- Self contained industry proven stand alone Sub Station monitoring and protection system
- Monitor and maintain the safety of new and legacy Sub Stations
- Early advanced warning of faults and threats to safety
- Proactive maintenance and lower service costs
- First ever network of Substations to NDO's with audit trail
- Remote alerts by SMS or email of unacceptable system changes
- Five year self auditing system with self test and fail alarms (un powered version)
- Remote access for firmware and system changes
- Web based GUI interface and third party monitoring available.

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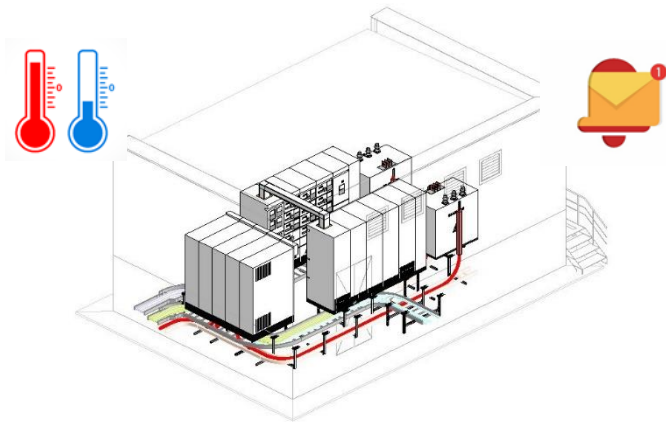
With over 20 years' experience in providing infrastructure solutions to one of the UK's primary energy distribution companies. The team at Connors have successfully designed, built and operated a tried and trusted sub station monitoring and early warning system.



This system is easily adaptable to protect most underground utility services and substation assets. A low cost solution providing long term reliable network monitoring never before seen in this environment, the results are astounding and is already a proven concept with many link box faults reported before they become a dangerous issue.



With several years research and development, the team have gone for a reliable, simple and straight forward solution that is proving ideal for retrofitting or integral to sub station installations. Securely fitted within the sub station each unit is activated, tested and uploaded to the monitoring portal from site via a simple smartphone or tablet APP.



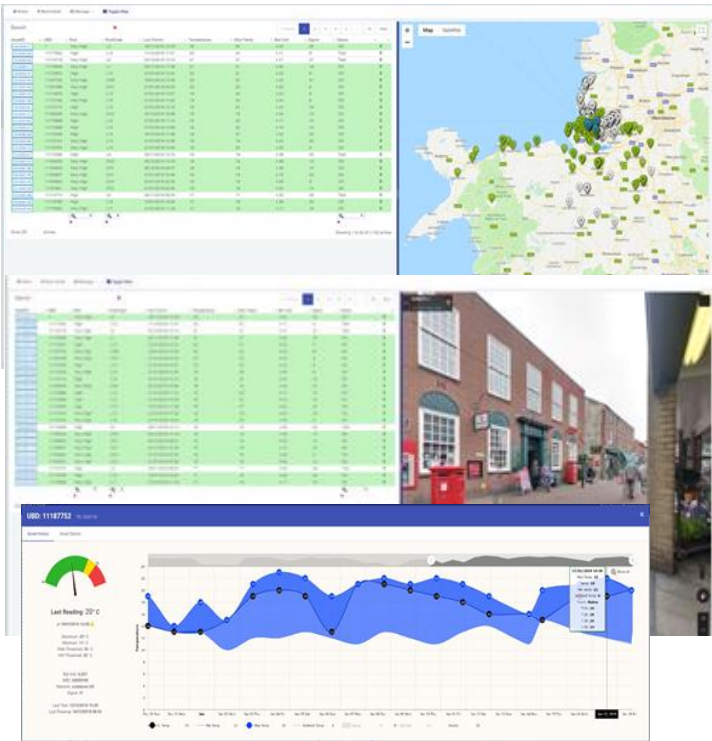
Temperature and humidity are monitoring options with our present system. For example, significant temperature fluctuation can be an early warning of a stressed substation.

Once monitoring parameters have been breached the system will wake, analysis the parameter and enter alarm mode.

Once in alarm mode the system will update the monitoring web portal via GPRS/SMS low cost technology and will continue to provide real time monitoring until the parameter returns to normal conditions.

Each unit will update the portal everyday with system health information to include signal strength and battery condition.

The web portal provides instant analytical data and easy read warnings of exceptions, with unit location and current condition. Options are available to relay exceptions from the portal direct to engineers in the field allowing immediate response if required.



All the information can be drilled down and audited, standard information includes high temperature, current temperature, ambient temperature, minimum temperature. All data is fully searchable and integral to Google maps to provide exact substation location.

The portal can provide an important source of asset information to include GPS location, additional risks to the location i.e., close to a pedestrian crossing, bus stop, restaurant etc. History data is easily accessible through a user-friendly slide bar revealing important detail of each notification or alarm.