



VT IoT monitors electric generators of ESB, the main Irish utility, with **Enless** devices and **Sigfox** CommonSense device management tools

Presentation of VT IoT, Enless Wireless & Electricity Supply Board (ESB)



VT IoT is the Irish Sigfox Operators since 2014 covering 97% of Ireland.

and is positioned as a major and recognized manufacturer of IoT/M2M objects for energy performance in buildings. We design, develop and commercialize our own solutions.

Electricity Supply Board (ESB) is the main utility of Ireland with revenues of more than 3 billions euros per year.

Enless Wireless has more than 10 years of experience in the telecommunications field

Business need

Electrical generators are key assets which down time causes high cost losses and inefficiencies in the electricity supply. Hence, it is crucial to monitor them, identify failures, especially overheat, and get alarms accordingly. Legacy telecommunication solutions such as GSM are expensive solutions, in the contrary Sigfox with its vast ecosystem of compliant devices bring efficient and cost effective IoT solutions for remote maintenance purposes.



Solution

VT IoT has deployed for ESB, Enless Wireless devices to monitor electricity generators. and their rooms.

- ✓ Ready to use device management tools to integrate any Sigfox equipment. Ready to use CommonSense-ready devices are available on <http://www.vertical-m2m.com/iot-platform/connectivity-solution/ready-devices>
- ✓ Monitoring dashboard application designed with CommonSense's codeless application design module



Monitor generators' rooms

Temperature transmitter – external contact probe
TX TEMP CONT SIGFOX
300-002

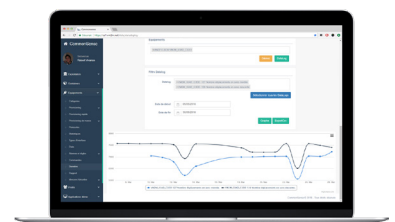


Monitoring the status of the generators

Digital input transmitter (dry contact)
TX CONTACT SIGFOX
300-012



VT IoT's
Sigfox network



Benefits

ESB has been using this system and identified on time several issues which resulted in increased uptime.

✓ **Reactive and preventive maintenance**
Maintenance teams are alerted in case of an issue.

✓ **Fast time to market solution**
Owing to the available Sigfox devices and Irish Sigfox network as well as ready to use CommonSense