Radio strength that powers through any obstruction

Industry Application: Inside a steel and concrete construction for pharmaceutical drug storage
Environmental measurement requirements: Ambient temperature
Customer Challenge: Radio strength that transmits through a steel and concrete safe

Customer challenge
Due to the ‘Misuse of Drugs Safe Custody Regulations’, pharmaceutical companies are required to store all schedule 2 drugs within a cabinet or safe that is locked with a key. The cabinet should be made of metal and fixed to the wall or floor.

A well-known pharmaceutical company required ambient temperature monitoring for their controlled drug storage safe. The challenge for them was to find a company that could successfully transmit critical temperature data wirelessly from inside a steel and concrete safe that is one and a half feet thick (containing their valuable drugs). Data needed to transmit to their local PC/network for immediate alerts of temperature breach while continuously maintaining historical records of the internal environment.

Solution
The Hanwell monitoring system is well established as being the most reliable radio system on the market with the ability to reach over 3.5km over open ground, so we were keen to show how the strength of the Hanwell radio range could meet the unique wireless requirements set out for us here.

Products used: 1xRL4001-434.075, 1xY300, 1xY119 (single-point monitoring) or 1xRL4002-434.075, 1xJ095-05, 1xJ097-05, 1xY119 (two-point monitoring).

Results
As expected, the Hanwell radio range didn’t let us or our customer down. The radio strength powered through the one and a half feet thick steel and concrete obstruction to their local PC/Network providing them with real-time temperature data and alerts easily accessible 24/7.

For more information about this application and solution, please contact us on +44 (0) 1462 688 070 or at sales@the-imcgroup.com