



Mobile Signal for Sofidel

Case Study

Sofidel are a leading producer of tissue paper for hygienic and domestic use. They produce toilet paper, kitchen towels, napkins, handkerchiefs, and tissues. Their values coincide with their principles of sustainability for being responsible procurement of raw materials, contained use of water, reduction in climate-altering gas emissions and waste. They have four production sites across the UK, two integrated plants one in Leicester (Hamilton Industrial Park) and another one in Baglan (Briton Ferry, Neath), a paper mill in the area of Lancaster and a converting plant in Leicester (Rothley Lodge).

The Problem

Their plant in Baglan, Neath Wales consists of 1 square mile in total in size within their warehouse they experienced very poor mobile signal. The warehouses consisted of steel structures and manufacturing machinery. Internal communications within the plant could only be conducted by a two-way radio or Wi-Fi calling which wasn't practical in all areas of the business. They couldn't use a mobile signal.



Single Network Solution

They required Vodafone single network coverage



Mobile Signal

Improve mobile signal within the plant warehouses



Area

7,000 m2 in 2 areas



Business Needs

Due to the size of the business and the premises, staff needed to be able to keep in communication with each other. As a result of the poor signal, staff had to go outside to make or receive calls making internal communication impossible.

The Solution

The Plant's Manager and IT Manager got in contact with one of Frequency's Resellers (ZoneGen). It was recommended that a site survey should be conducted to evaluate their signal issues. The survey concluded that their signal was non-existent and the Cel-Fi Quatra 1000e was recommended for installation due to having a single network requirement and future scalability. They decided to install a pilot in their office and the main plant.

The Challenges

Sofidel required the cabling to be hidden and out of sight from the exterior of the building. Cabling from the donor antennas to the Nus was going to be a challenge. Sofidel didn't want the cabling to come from the roof due to fire and rain proofing restriction of a tissue manufacturing plant. They agreed to have minimal cabling on the exterior of the building tied neatly to drainage pipes inserted through ventilations into their interior spaces.

The Results

The building now had a very good and stable mobile signal. They were so impressed with the results they are now considering scaling this up to other areas of the plant and to be installed within their Leicester plant.

Business Benefits



Improved Signal



Single network Vodafone Coverage



Full Mobile Coverage



Potential to be scaled up to cover additional spaces at the plant

