A New Era for Public Housing

Powered by MultiTech

According to a report from the UN, 68% of the world population is projected to live in urban areas by 2050. The trend towards urbanisation is only accelerating and the global shift toward a more urban global population has profound implications for a wide range of issues. One major change that will accompany urban growth is increased demand for social housing.

The challenge faced

Registered providers (often known as social housing landlords) own and manage social housing. Within the UK, these providers are responsible for managing tens of thousands of properties and ensure that properties and tenants are safe and well managed. Poor property conditions introduce serious problems for the property and tenant health, resulting in the need for constant refurbishments and costing millions of pounds every year. It was just these kind of problems that UK based Pinacl set forth to solve.

The solution proposed

With more than 35 years of experience as solution provider for digital transformation, Pinacl Solutions is working to improve current public housing challenges that are faced within the UK. Utilising sensors and the newest IoT gateways, Pinacl has created, the Digital

Problem

Poor property conditions introduce serious problems for the property and tenant health, resulting in the need for constant refurbishments and costing millions of pounds

Solution
MultiTech Conduit®

Benefits

The innovative end-to-end solution from sensor, IoT network to application dashboard – monitors humidity, temperature, CO_2 and movement, saving housing providers precious time and resources while, freeing them up to better support the tenants.

Property Management solution to provide real time data to housing providers that is critical to the well-being of the tenants and the overall well-being of the properties.

The innovative end-to-end solution from sensor, IoT network to application dashboard – monitors humidity, temperature, CO_2 and movement, saving housing providers precious time and resources while, freeing them up to better support the tenants. The new information acquired on properties also ensures that properties remain "healthy" avoiding costly remedial works or even, in some of the worst cases, full refurbishments.

Pivotal to the overall solution is MultiTech's IoT gateway, **MultiTech Conduit**® which is used to transfer the data from the sensor to the IoT dashboard. Each Conduit gateway has the ability to manage thousands of MultiTech mDot™ LoRaWAN® modules and other sensors and transmit their data over any cellular network to a customer's preferred data management platform.

The outcome

"We were impressed by MultiTech's comprehensive range of IoT gateways which offer excellent functionality and performance along with robust security at the heart of their design," says Alasdair Rettie, technical director at Pinacl. "Since utilising Multitech's gateways within our LoRaWAN network solutions, we can scale our networks whilst still ensuring we have exceptional visibility and control on the transfer of data from the Sensors to the end IoT applications."

Pinacl offers a range of solutions designed to enable digital transformation and shape smart places (including the Internet of Things) for customers. With a range of managed services to build and support their data, voice, server and cloud infrastructures. Pinacl's technical solutions team has extensive expertise designing, implementing and managing ICT infrastructure solutions utilising leading technologies.

Ready to learn more about how MultiTech products can take your business to the next level? Contact our team of experts online at MultiTech.com today!

For additional information, contact: sales@multitech.com

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Alasdair Rettie,
Technical Director,
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