Johannesburg Branch
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Mimic In-House Article
Subject: LoRa Technology with Climate Air+ Solution
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LoRa Technology with Climate Air+ Solution

LoRa Technology with Novus Automation and Climate Air+ Solution (combining devices RHT Air+ and AirGate Air+), offers a powerful, low-power, long-range wireless communication solution for monitoring temperature and humidity in critical environments such as warehouses and data centres.

The RHT Air+ with sensor and the AirGate Air+ for Gateway, provide solutions for seamless, real-time location monitoring with minimal energy consumption. By utilizing LoRa technology, the system can transmit data over long distances of up to 3 km in open-field conditions, making it ideal for rural or large -scale installations.

The Climate Air+ solution includes a long battery life which is especially useful for settings where frequent maintenance or power supply is impractical. As such, the RHT Air+ sensor is capable of lasting up to two years under typical usages, bearing in mind that varying signal strength may reduce the range, and shorten battery life when ideal specifications are under challenging conditions.

During standard operational climates, the system's low data rate and efficient power consumption align perfectly with the needs of applications that don't require heavy data loads, such as monitoring temperature and humidity, which are low-bandwidth tasks.

To maximize performance, ensure that gateways are positioned in high, unobstructed locations, optimise antenna placement, and account for potential losses from building materials. With a proper setup and planning, Novus's Climate Air+ Solution offers a robust, scalable solution for long-term environmental monitoring.

Call us for more information and take this opportunity to explore Novus's Climate Air+ Solution as a reliable, efficient, and low-maintenance monitoring system.

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