



# Case Study Aidoo Pro

In Collaboration with



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"Aidoo was the obvious choice for us when reviewing the market for HVAC integration products to integrate with Loxone - its vast manufacturer support, flexible integration protocols, out of the box feature set and competitive price point scalable from single indoor unit upwards made this the most feature rich, scalable and economical choice to offer our clients."



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# Case Study

**NG** NEXT GEN  
SMART HOMES



In this case study we want to show how easy it was to create a unified **IoT solution** for an office building in the UK. A simple plug-and-play device like Aidoo Pro made it possible to connect two HVAC units to a Loxone **smart home system**.

The building has been transformed into a Certified Loxone Showroom (for people to experience a smart home solution first hand in a relatable living environment) and the offices of **Next Gen Smart Home**, a smart home company/integrator in UK. It's located in Milton Keynes.

The showroom is easily accessible where people can interact with the products in person and consult with the Next Gen Smart Homes staff.

**LOXONE** **AIRZONE** **NG** NEXT GEN  
SMART HOMES

# Aidoo PRO

**Aidoo Pro** was used to connect two **Mitsubishi Heavy Industries** air conditioning systems to the Loxone smart home system installed in the building, each air conditioning unit being controlled by one Aidoo Pro device allowing direct control of the devices through popular BMS protocols, namely Modbus and Local API.



## AIDOO PRO WAS THE CHOICE FOR FOLLOWING REASONS:

The Aidoo Pro device has allowed for **direct integration of marketing leading HVAC units with two way communication**. This has meant full feature rich communication functionality no matter where the device is controlled from all systems stay in sync, a change on the wall controller feeds back to Loxone and a change in Loxone replicates on the wall controller allowing for **complete flexibility** for the end user. Furthermore the **Aidoo Cloud app** gives the user another controller option if desired.

Aidoo scales economically across both small and large installations whereas other products on the market only become economically viable when looking at larger quantities of indoor units. Notwithstanding the lack of mobile app functionality, voice assistant integration etc. Aidoo was the firm choice for Next Gen Smart Homes after a comprehensive market review.

Finally, the solution is not cloud dependant. As such, when there is an internet or connectivity outage at the property the HVAC systems can still operate and be controlled via the local integration protocols and keeps the cyber threat low which is a conscious decision point within smart home solutions.



# Airzone bridges the gap

## Between HVAC and IoT

Airzone Control Systems allow the leading **Building Management (BMS)** and Home Automation (HA) Systems to seamlessly **integrate with Inverter/VRF technologies.**

Airzone have certified protocols:



### AIDOO PRO



Easy **BMS/HA** and Smart Thermostats integration for **Inverter/VRF units.**

### AIDOO KNX



KNX certified product for full control of **Inverter/VRF units.**

### AIDOO Z-WAVE PLUS



Full integration of **Inverter/VRF units** for Z-Wave systems.

### AIDOO PRO FAN COIL



Full integration for **chilled water fan coil units.**

### AIDOO WI-FI



**Voice control and smartphone app** control for installed and new **Inverter/VRF units.**

### Available integration options:

- > Drivers
- > REST API
- > Cloud API
- > BACnet