

Nuuka AI Air

Make your buildings self-optimizing

Now we are launching Nuuka Solutions Nuuka AI. A series of upcoming services where we use artificial intelligence together with our cloud-based real estate data platform. First out in the series is Nuuka AI Air.

Questions & Answers about Nuuka AI Air

Why is AI perfect for running your HVAC system?

In larger complex properties, there may be thousands of checkpoints in the BMS and HVAC systems. Optimizing the system requires human resources and expertise. Something that many property owners experience as a challenge. Property and maintenance managers do not have the opportunity to adjust the system as often as required and therefore allow the systems to continue with fixed settings. Although changes in the use of the facilities, indoor air conditions, or energy prices would require changes. With Nuuka AI Air connected, the air handling system learns how the ventilation performs and calculates and adjusts to having optimum settings in each situation. This is done automatically every minute, around the clock, and the year. This means thousands of calculations and adjustments compared to today's monthly adjustments, which an expert can manage in terms of time and cost.

We already have a BMS system, so why do we need AI?

A BMS system controls HVAC systems and adjusts them according to fixed settings that were usually made when the system was installed. Complementing AI means you get constant optimization of the properties' energy consumption and indoor conditions.

How can I be sure that it pays off?

In addition to optimal indoor conditions, Nuuka AI Air offers the possibility of a more efficient remote maintenance, as well as the possibility of reduced energy costs associated with ventilation, and lowered costs for external experts. By completing your BMS with Nuuka AI AIR, the life cycle of the property automation system can be extended for many years.

We have different systems installed in our portfolio. How does it work then?

Our software is entirely hardware-independent, and we have complete integrations to more than 100 BMS systems and IoT solutions today. This means that no matter what system exists in the buildings, Nuuka AI Air can function as a virtual operator.

How does the Nuuka AI Air installation work?

A "digital twin" over the property with data points and process structure is created in the Nuuka platform. Data connections to BMS systems and necessary sensors are implemented and tested. Data is collected for two weeks to learn the AI model. The model is then simulated and tested without connection to BMS. When the model is tested and ready, it begins to monitor and optimize the property continuously.

Nuuka Solutions – The secret behind smart, sustainable buildings and cities

Nuuka Solutions has been working with cloud-based real estate data solutions since 2013. Our software solution is implemented in almost 3,000 buildings in several countries. Our services help large property owners, retail chains, and entire cities to create smart, sustainable buildings with optimal indoor conditions. As well as automated sustainability reporting. Contact info etc.

www.nuukasolutions.com

