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CASE STUDY

THAKEHAM HOMES UTILISE
AICO'S ENVIRONMENTAL
SENSORS AT HEAD OFFICE



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AICO'S ENVIRONMENTAL
SENSORS AT THEIR HEAD
OFFICE TO MAINTAIN A
HEALTHY WORKING
ENVIRONMENT

CONTENTS

01


The Challenge:
Maintaining a Healthy Work Environment

02

Solution:
Monitoring the Environment and Implementing Insights

03

The Future:
Future-proofing with IoT Technology



Thakeham Homes head office based in Billingshurst, West Sussex installed Aico's Ei1000G Gateway and Ei1025 Environmental Sensors, utilising the HomeLINK Portal to maintain consistent air quality throughout their offices.

Thakeham Homes are a Home Builder Federation (HBF) Home Builder that delivers residential developments and quality affordable homes across the South East. Working with a range of clients from social, and affordable housing to retirement housing. Thakeham is built on the five core values of quality, people, the environment, partnerships and community

CHALLENGE: MAINTAINING A HEALTHY WORK ENVIRONMENT

Thakeham Homes' priority is to make sure their employees have a healthy working environment, where they can be happy and productive.

Many employees are returning to places of work after working remotely but Coronavirus is still prominent in everyone's mind, with the levels of carbon dioxide (CO₂) within offices being an important consideration to ensure the provision of a safe workspace. The build-up of CO₂ in an area is normally due to poor ventilation and can be a contributing factor to the [spreading of Coronavirus](#).

Increased levels of CO₂ can also have an impact on [workplace productivity](#). The effects of exposure to higher levels of CO₂ - [between 2,000-5,000 ppm](#) - include poor concentration levels, loss of attention and drowsiness

SOLUTION: MONITORING THE ENVIRONMENT AND IMPLEMENTING INSIGHTS

Thakeham Homes installs Aico's fire safety products across their housing developments and through this discovered the Gateway and Environmental Sensors. They opted to install the Connected Solution in their offices which involved fitting one Gateway on each level of the building and two environmental sensors on each level.



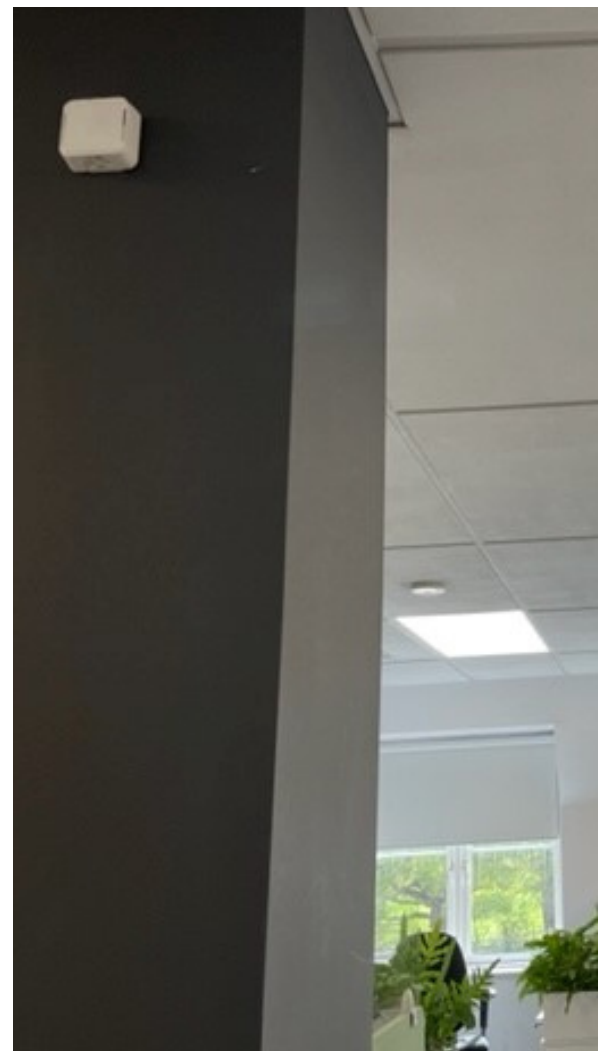
The installation was very simple and straightforward. The HomeLINK Portal is very easy to navigate and provides clear information on the levels of CO2 in the building.

Ben Cook, Facilities Manager at Thakeham Homes



The system allowed Thakeham Homes to measure the quality of their indoor environment by:

- Monitoring carbon dioxide levels and temperature.
- Identifying areas of the office that may have poor ventilation
- Gaining actionable insights through the HomeLINK Portal into improving the indoor air quality
- Obtaining real-time reporting relating to the general environmental conditions within their offices



The sensors can provide data on excess heat, excess cold, and energy efficiency of the workplace. With sustainability being an important issue for the organisation who are aiming to be net zero by 2025, the systems being installed are also being used for maintaining a regular temperature and climate within the offices.

FUTURE-PROOFING WITH IOT TECHNOLOGY

The air quality within the building has been consistently good since Thakeham Homes installed the system, but having the ability to know when to regulate the airflow should they need to is important.

The level of CO2 rarely goes above 1000ppm so the need for further ventilation is not often required, however as employees start to return to the office this may change. In taking a proactive approach to the health and well-being of their employees, the correct systems are in place to monitor the situation in the future and ensure they are maintaining a healthy workspace.



Thakeham Homes are using our fire and safety products within the new developments they are constructing and through this found our Gateway, environmental sensors and HomeLINK Portal which they have installed within their Head Office. This has been a great success in maintaining good quality working conditions for all their employees.

Paul Barrett, Aico's Regional Specification Manager for the South West



To learn more about our environmental sensors please visit our website - www.aico.co.uk/smart-home