



Building Ventilation Solutions

# Air Handling and Ventilation System Specialists

40 YEARS EXPERIENCE OF KEEPING YOUR FRESH AIR FRESH



## BUILDING VENTILATION SOLUTIONS

Delivering reliable ventilation solutions by resolving AHU performance issues, refurbishing existing systems to extend their lifespan, or manufacturing new air handling units to meet modern building demands.

## Sectors we support

We are passionate and pride ourselves on offering our clients a quality customer service experience from initial communication to project completion and handover.

- ✓ Education
- ✓ Manufacturing
- ✓ Shopping centres
- ✓ Healthcare
- ✓ Commerical Offices
- ✓ Swimming pool and Leisure centres



### AHU Refurbishment

*Extend asset life. Restore performance.*

Our technicians complete a thorough inspection to recommend strategic upgrades or component replacements to optimise the AHU's performance.



### Controls & BMS Upgrades

*Smarter control. Better efficiency.*

Modern controls provide greater visibility, accuracy and protection for ventilation systems. BVS delivers Trend-based upgrades tailored to your building.



### AHU Manufacture

*Custom-built AHU. 4 week lead time.*

We design and manufacture bespoke air handling units to meet specific airflow, efficiency and access requirements. From plantrooms to rooftops, our solutions are built for performance and longevity.



### Ventilation Solutions

*Expert Guidance. Saving you money.*

We specialise in tailored ventilation trouble-shooting with solutions that improve indoor air quality and reduce energy consumption to improve long-term reliability and save money.



### Ventilation Surveys

*Comprehensive Surveys*

Our AHU validation and ventilation surveys give you a complete view of your air systems and critical components.



OVER 40 YEARS EXPERIENCE  
CUSTOMER FOCUSED  
NATIONWIDE PRESENCE  
COMPLETE SOLUTIONS

Get in touch today for your personalised quote.



# Recent Projects

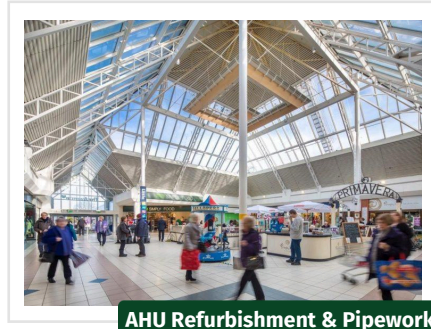
We have had another incredibly busy year assisting our customers with their air-handling unit and ventilation system issues. Throughout the year, we've tackled a wide range of problems to ensure optimal performance and comfort in their environments. Here's a glimpse into some of the types of challenges we've addressed:



Solving Pool Hall Issue

## Warner Resort Hotel

We designed & installed a new swimming pool AHU System, complete with ductwork modifications to resolve issues with condensation & overheating.



AHU Refurbishment & Pipework

## Glasgow Shopping Centre

We completed a complete refurbishment of 3x AHU whilst also complete a complete replacement of the gas pipework and 3x new gas burners



AHU Manufacturing

## BP Oil

Manufacture and supply of a new kitchen make-up AHU with fully fitted controls & also provided a new main kitchen extract fan.



AHU Refurbishment

## Major London University

Both refurbished and improved the energy efficiency of numerous Air Handling Units on site.



Ventilation Survey & Solutions

## Moorfields Eye Hospital

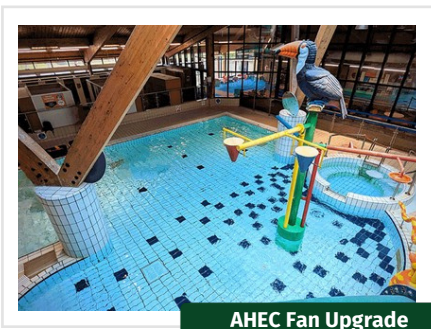
Night time survey to investigate ventilation issues on a recovery ward and implement the solutions.



LPHW Coil Replacement

## Delta Hotels

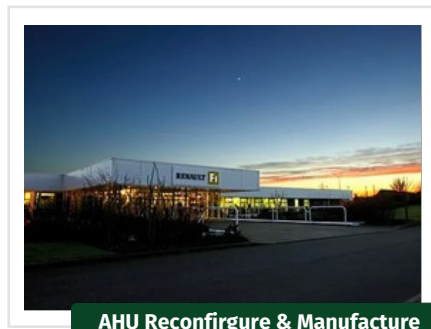
Design, manufactured and replaced a LPHW heating coil that had been damaged by freezing weather.



AHEC Fan Upgrade

## Leisure Centre Dorset

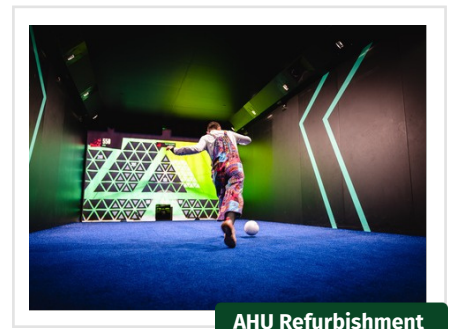
Restored airflow to control humidity and temperature control of the Swimming Pool building



AHU Reconfigure & Manufacture

## Alpine Formula1 Team

Reconfigure existing AHU on site and manufacture new AHUs and controls.

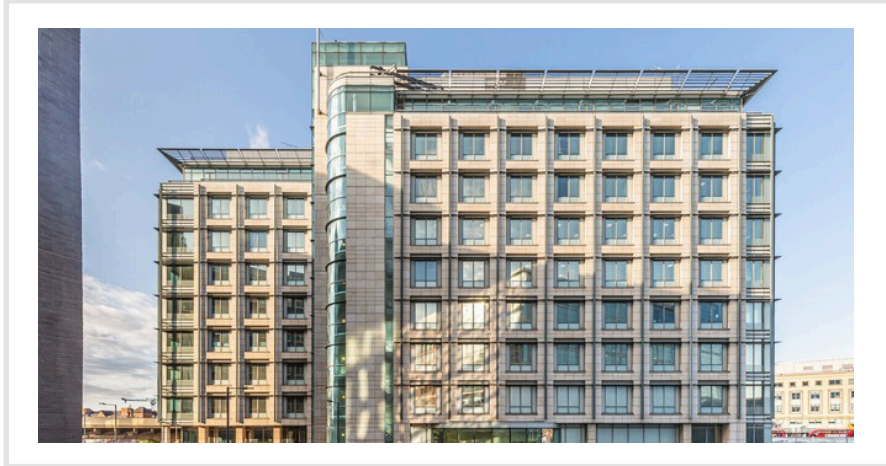


AHU Refurbishment

## Toca Football - 02 Arena

Required refurbishment & repurposing to meet the specific needs of TOCA Social, an interactive football & dining experience.

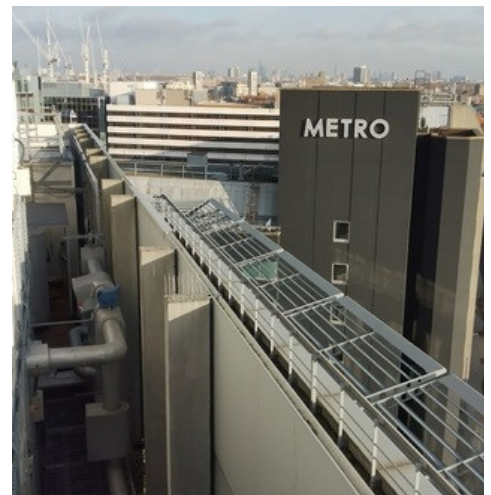
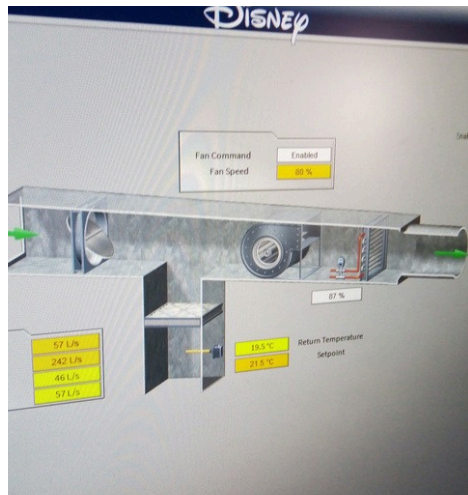
# Case Study - Disney HQ



Disney's European HQ in Hammersmith spread over 4 large buildings, each with multiple air handling units surveying offices and studios. These were all different and varied between 20 - 30 year old. We were asked to carry out an in-depth condition report and costed proposals to both refurbish and update all the air handling equipment for another 20 years of life.

## Disney HQ - Ventilation Survey

The survey looked at the condition of the casework and components and their suitability to be either refurbished or replaced. Also the energy efficiency of each unit was investigated to see whether modern lower energy components could be installed in their place together with costings for all suggestions.



We also investigated numerous ceiling void mounted existing void VAV boxes and offered proposals to both economically refurbish all of these and lower their energy consumption.



## View More Case Studies

Explore our extensive collection of case studies to see how we've successfully delivered innovative solutions across various industries. Scan the QR code to delve deeper into our success stories.



# Case Study - Burlington Street Office

The frost coil at the site was severely damaged, requiring us to design, manufacture, and install a new one. To overcome access constraints and stay within budget, we split the coil into two sections, allowing for easier installation and connection in the plantroom without compromising functionality.



## Burlington Street Office- Frost Coil Replacement



### **Size Up, Design & Manufacture Frost Coil:**

Upgraded to a modern, more efficient system for better control and automation.

### **Uninstall Frost Coil & Remove Associated Pipework:**

Replaced to ensure optimal airflow, improving the unit's ventilation performance.

### **Install Coil In Two Sections:**

Installed to ensure precise temperature monitoring and control within the pool area.

### **Connect Frost Coil To Associated Pipework:**

Updated to enhance air regulation and distribution, improving indoor air quality.

### **Commission, Test & Tidy The Site:**

Replaced to ensure smooth operation and to safeguard against potential airflow issues.

# Case Study - NHS West London

The NHS West London Hospital recently undertook a refurbishment project for its Air Handling Unit (AHU). The existing AHU, although well-maintained, showed signs of aging and required updates to extend its operational life and improve efficiency. The main objectives of the refurbishment were to: Economically extend the life of the AHU and associated equipment. Ensure effective supply and extract air systems in the hospital's corridors and communal areas. Address specific maintenance issues to enhance overall performance and reliability.



## NHS West London - AHU Refurbishment

### Light Refurbishment:

Minor repairs to the main supply and extract AHU.

### Bathroom Extract Twin Fan Repairs:

New motor and belts and twin fan automatic change over system repair.

### Surface Corrosion Treatment:

Addressed corrosion to prevent further damage.

### Fresh Air Inlet Damper Replacement:

Improved air quality and efficiency.

### New Components:

Installed new drivebelts and filters, cleaned coil faces, lubricated parts, reset catches, and possibly replaced door seals.

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GET IN TOUCH WITH US

Our dedicated team is ready to assist you with your needs. Get in touch and we'll promptly respond to your inquiry. Don't hesitate to contact us for your personalised quote today!

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