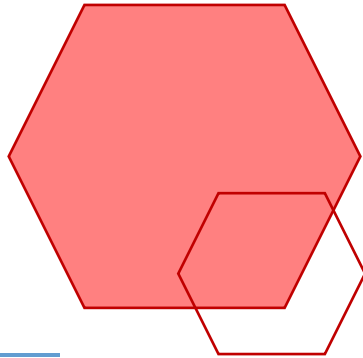
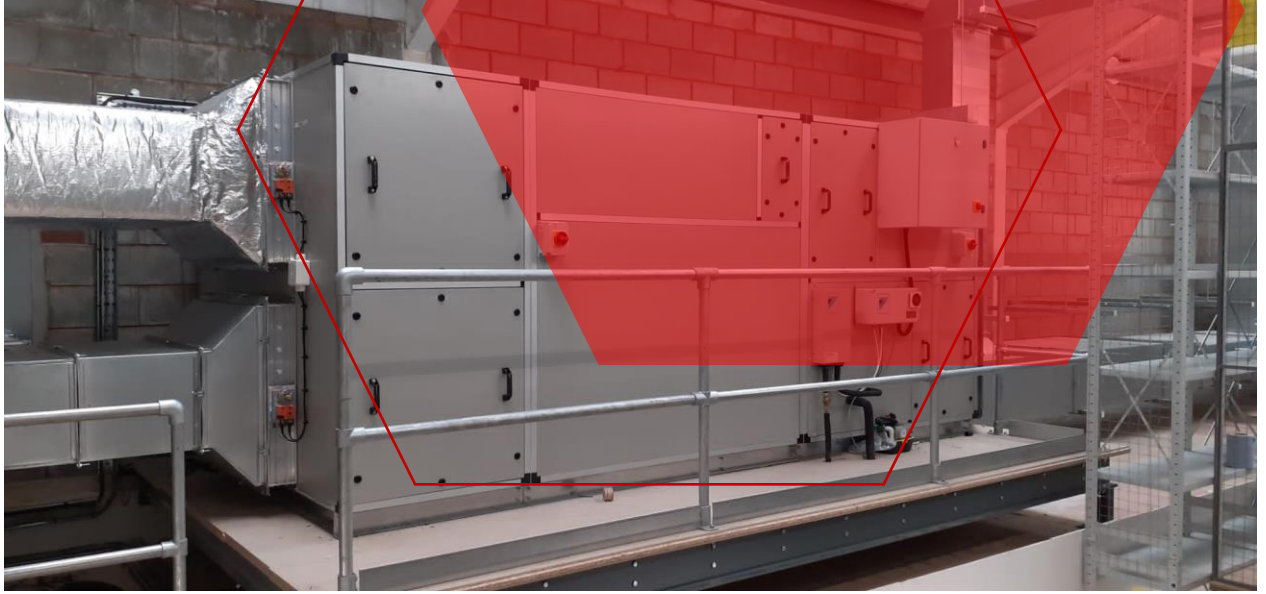




RES Ltd

AHU SYSTEMS



PG. 2 Products and Services

Products and services offered with each AHU scheme or system.

PG. 3 Technical Examples

Technical examples of what RES can offer to the any business, system or scheme.

PG. 4/5 Projects

Projects using AHU systems.

RES AIR HANDLING SYSTEMS

ABOUT US

At RES we have looked at the AHU industry from all perspectives, from supplying air handling systems to bespoke environments to how these are controlled either stand alone or integrating into a new or existing building management system. Like our clients we understand all systems are not the same whether it is a manufacturing facilities, sports and leisure or retail facilities to education premises and HTM compliant health care we can offer a system to suit.

All our systems are manufactured in the united kingdom and can be delivered nationwide

We also offer repairs and upgrades to all existing manufacturers systems.

PRODUCTS AND SERVICES

SERVICES WE OFFER.

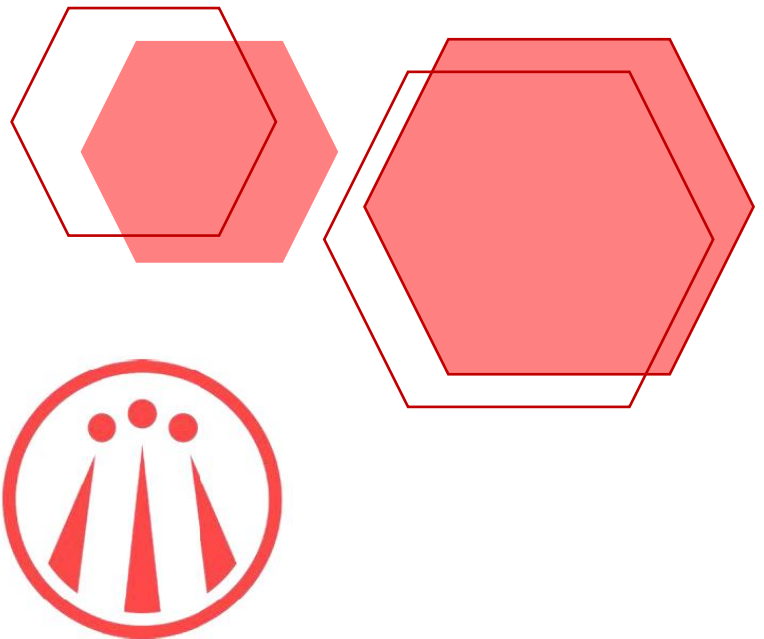
All our systems are designed and configured to suit our clients needs starting with a detailed review of specification and requirements, working closely with consultants and engineers to carrying out full site dilapidation surveys if required to make sure all systems are as seamless to specify, buy to ultimately installing and setting to work.



1. New AHU's will be manufactured in the United Kingdom which we can deliver nationwide and Europe.
2. Reduced delivery lead times to site.
3. Refurbishment of all manufactures of AHU's which can include;
 - a. New fans
 - b. Re-configuration
 - c. New coils
 - d. Heat recovery
 - e. Controls Trend System Integrators and all other control systems
 - f. Full overhaul of any manufactured unit.
 - g. Service and maintenance
4. Dilapidation reports both pre works and post.
5. Structural steel frames
6. DX and hydraulic installations.
7. Ductwork installation and modification.
8. Insulation Services.
9. Electrical installation works.
10. Fully managed Cranage and positioning.
11. AHU and controls operation witnessing prior to site installation.
12. Full HTM compliant clean and protection prior to delivery to site and further clean in situ prior to operation.

All new AHU systems can be built with easy IO controls within our own bespoke workshop giving greater control and working integration with other systems. All new systems will be offered with a 12 month remote monitoring system via VPN in order to carry out adjustments and further integration with building management systems if required.

Here at RES, we can offer to you the easy solution from conception through to completion, handover and demonstrations to our clients with all necessary interfaces including mechanical installation of DX (FGAS) and Hydraulic systems to installation of mains power and integration of BMS to any BMS system.



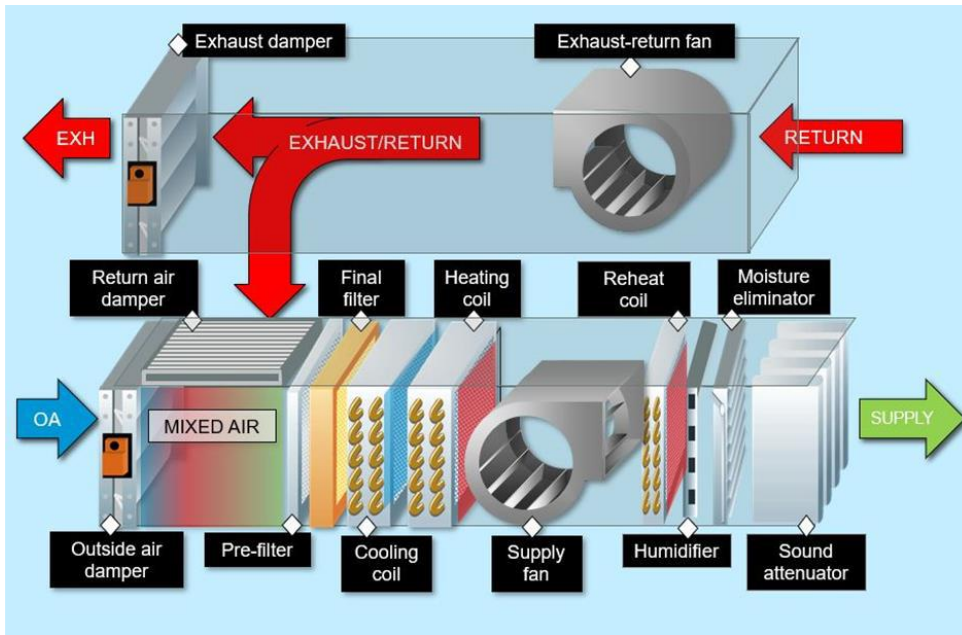


TECHNICAL EXAMPLE

EXAMPLE:

The below is an example of our proposal to undertake and supply new packaged AHU using easy I/O control and monitor the status, which can be migrated onto any BMES at any time.

Picture for illustration only.



AHU Technical Schedule

| | | | | | |
|--------------|---------------------|---------------|----------|---------------------|-------|
| Model number | EA-AHU-2.1-PHE-ELEC | No. of units | 1 | Unit site reference | AHU 1 |
| Project | | Unit location | External | No of selections | 1 |

Supply/Fresh Air Section

| Fresh air damper | | | |
|------------------|--------------------------|-----------|------------|
| Type | Inlet louver | Operation | NA |
| Type | 1 x Opposed blade damper | Operation | Open/close |

| Filters | | | |
|---------|--------------|------------|-----------|
| Type | Multi pocket | Efficiency | F7 100%RH |

| Heat recover - Winter | | | |
|-----------------------|-------------------------------|--------------|------------|
| Type | Aluminum plate heat exchanger | Duty | 64.94kW |
| Air on temp | -5 degrees | Air off temp | 12 degrees |
| Return air | 18 degrees | | |

| Re-heat coil - Winter | | | |
|-----------------------|---|--------------|------------|
| Type | Electric heater with built in thyristor | Duty | 22.68kW |
| Air on temp | 12 degrees | Air off temp | 21 degrees |

| Supply fan | | | |
|-----------------------|-----------------------------------|---------------------|------------|
| Type | 1 x EC/AC fans with speed control | Total air volume | 2.1m3/s |
| External pressure | Max 450pa | Fan operating power | 1 x 2.77kW |
| Fan operating current | 4.26 amps | Fan motor size | 1 x 3.4kW |
| Voltage | 3~380-480 | | |



RETRO FIT EC MOTORS

Retro fitting of EC motors into existing system.

ARGOS LLANDUNDNO



LEEDS HOSPITAL HTM SPECIFICATION



**REDMOND
ELECTRICAL
SOLUTIONS
LTD**

Partnered with **REDMOND ENERGY SOLUTIONS LTD**

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