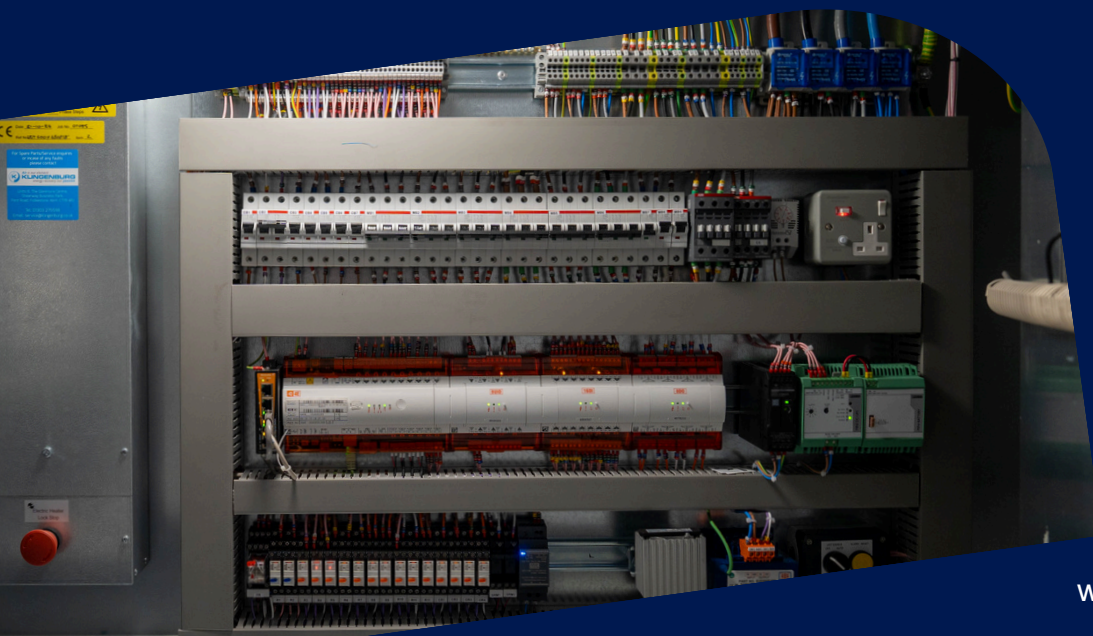




Refurbishment/Replacement Solutions

Packaged Air Conditioning Units
Air Handling Units
Ventilation Plan
Heat Recovery Systems
Tailored Energy Efficient Solutions
Minimal Disruption and Downtime
Full Maintenance and Spares Support





Weatherite

Refurbish or Replace? That is the Question

Many building owners, managers, and FM specialists face the dilemma of whether to replace or refurbish their existing air conditioning, air handling, heat recovery, and ventilation systems. This decision involves considering costs, future energy usage, and ensuring efficient, continuous operation.

Weatherite's dedicated refurbishment and replacement department works closely with clients from start to finish, ensuring the best solution is delivered on time and within budget.

How can Weatherite help?

With over 40 years of experience, Weatherite Group has become a trusted provider of high-quality, energy-efficient HVAC solutions. Our extensive range includes packaged air conditioning units, AHUs, packaged plant rooms, energy centres, heat recovery systems, and associated ventilation solutions, all delivered to leading businesses across various sectors of the UK industry.

Our reputation is built on designing and installing high-efficiency, durable HVAC systems that meet the specific needs of each client. We focus on creating solutions that offer long-term reliability, ensuring that systems are not only efficient but built to last.

To further guarantee the highest performance, our team of highly skilled engineers is dedicated to the ongoing maintenance and support of all systems. This commitment ensures maximum operational efficiency and extends the lifespan of our installations, often maintaining peak performance for over 20 years.

There comes a time when the manager responsible for HVAC system efficiency must make the difficult decision of whether to refurbish or replace specific equipment. This decision often involves weighing the potential costs, future energy savings, and the long-term performance of the system.

Weatherite's dedicated refurbishment team brings years of experience to the table, offering expert advice on whether refurbishing equipment on-site is feasible or if replacement would be the more effective solution. Our team provides clients with a detailed report that outlines the best course of action, including a range of options for evaluation.

This comprehensive approach ensures that the manager and their team can make an informed decision, backed by data and professional recommendations. Our goal is to deliver the optimal solution that meets both operational and budgetary requirements.



Refurbishment

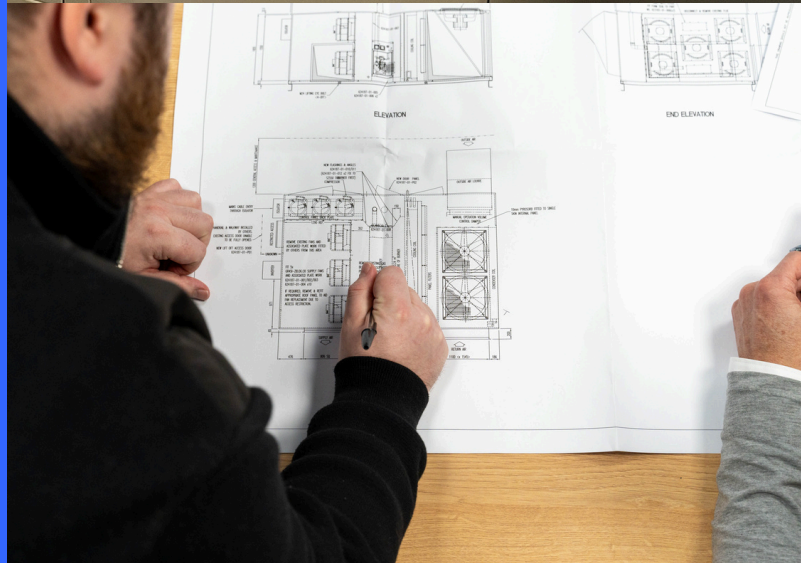
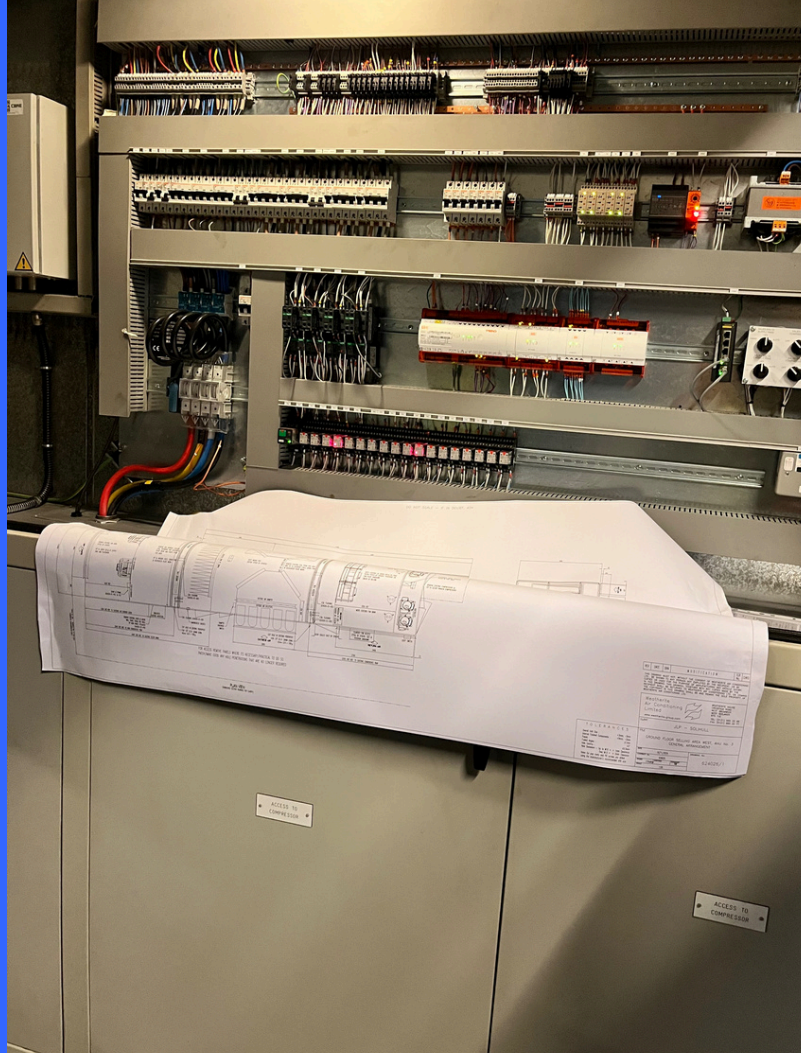
With years of expertise, our specialist Refurbishment Team can refurbish equipment on-site, depending on its condition, providing clients with a cost-effective, energy-efficient solution that's fully tested and commissioned. Our services extend to both Weatherite-manufactured equipment and other brands' equipment, ensuring comprehensive coverage.

The process begins with a site survey from our experienced engineers to determine the most effective solution and outline a proposed schedule. Once agreed, a dedicated team will manage the project from risk assessments to equipment refurbishment, commissioning, and final handover. Additionally, we offer ongoing service and maintenance support as required, ensuring long-term performance.

Advantages:

- **Cost:** Refurbishment is typically cheaper than replacement.
- **Timing:** Faster, minimising downtime and disruption.
- **Efficiency:** Improved performance and longer lifespan.
- **Energy Savings:** More energy-efficient, cutting future costs.
- **Reliability:** Fewer repairs after refurbishment.
- **Minimal Disruption:** Existing services remain unchanged.
- **Factory Upgrade:** Units can be upgraded and re-installed on-site.
- **F Gas Compliance:** Refrigerants can be upgraded for compliance.

Contact the Weatherite Refurbishment Team on 0121 665 2266 for a free, comprehensive survey before deciding to refurbish or replace your equipment.



Case Study

Michelin House, London

Michelin House in Chelsea, London, opened in 1911 and now holds 'listed building' status. The building's iconic history presented a unique challenge when the HVAC system, consisting of 8 inefficient water-cooled internal DX units, required refurbishment.

The units were frequently in need of maintenance and failed to operate efficiently. To address this, a solution was developed to restore the units' performance while ensuring minimal disruption to the building's ongoing operations.

Due to the building's nearly constant use from 7 am to 11:30 pm, all work had to be completed overnight to avoid interfering with business activities.

Weatherite's Refurbishment Team successfully carried out the work, improving efficiency and extending the lifespan of the HVAC system without disrupting daily operations.

Solution:

In collaboration with lead consultant WPPM, Weatherite Group provided full CDM project management for the entire refurbishment. The work included:

- Installation of new scroll compressors.
- New control panels and refrigeration equipment.
- New water valves, anti-vibration mountings, fan bearings, and couplings.
- Software and cabling updates.
- Replacement of old water-cooled shell and tube condensers with high-efficiency plate heat exchangers.
- Refurbishment of all supply fans and a complete overhaul, cleaning, and painting of unit casings.

Given the building's listed status and compact layout, careful attention was required to ensure that all work was carried out efficiently and professionally. This approach minimised the risk of damaging the building's infrastructure or disrupting daily operations in this busy facility.





Replacement

In some cases, refurbishing existing equipment may not be feasible due to its poor condition, especially when equipment installed 15-20 years ago has reached the end of its useful life, resulting in operational inefficiencies and rising repair costs. In such situations, refurbishing may not be the most cost-effective solution for ensuring long-term, efficient operation. These concerns are thoroughly addressed during the initial site survey.

If replacing the equipment is the best option, Weatherite will design, manufacture, and pre-commission the new system at our state-of-the-art facility. The new equipment will be tailored to fit the existing footprint, with options for flat-packed delivery and assembly if access is limited. The replacement will feature advanced technology, including energy-saving EC Fan technology, variable speed drives, scroll compressors, and high-efficiency gas burners, offering improved performance and energy efficiency.

Advantages:

- Incorporates the latest technology and energy-efficient components.
- Significantly reduces energy consumption compared to old, worn-out equipment.
- Tailored solutions offering long-lasting benefits with often short-term payback.
- Designed to fit into the existing footprint of old equipment for quick installation.
- Equipment is fully tested and pre-commissioned before delivery (can even be delivered as a 'flat pack').
- Installation and commissioning can be completed with minimal disruption.
- Ensures long-term, efficient operation.



Contact the Weatherite Refurbishment Team on 0121 665 2266 for a thorough, honest survey before deciding to refurbish or replace your equipment.

Case Study

John Lewis Solihull

We completed a major HVAC upgrade for the John Lewis Partnership at their flagship Solihull store. The project involved replacing six ageing gas-fired, DX-cooled package units, originally installed in 2000, with new, fully electric, high-efficiency package heat pump units.

After over two decades of service, the legacy units had reached the end of their operational lifespan.

Performance had declined, and energy efficiency no longer met modern expectations. Recognising the need for a futureproof, sustainable solution, John Lewis turned to us as a trusted partner to deliver a full system replacement with minimal disruption to store operations.

With more than 20 years of experience working alongside the John Lewis Partnership, we were ideally positioned to support the project from initial planning through to final commissioning.

Solution:

Our experienced design and engineering team carried out a comprehensive site survey, then developed a tailored replacement strategy that aligned with John Lewis's sustainability goals and operational requirements.

Key elements of the solution included:

- Complete system redesign based on the latest heat pump technology
- Factory pre-testing to minimise on-site installation time
- Phased refurbishment, replacing one unit at a time to ensure the store remained fully operational throughout the process

The new package heat pump units are equipped with:

- IE5 EC Plug Fans – for improved airflow and reduced energy use
- Scroll Compressors using R513A refrigerant – delivering high performance with low environmental impact
- Indoor/Outdoor Heat Pump Coils – optimised for all-season operation
- Trend Controls – enabling seamless integration with the building's BMS
- Remote Monitoring Capabilities – for real-time system performance insights and diagnostics





Weatherite

Your Trusted HVAC Refurbishment and Replacement Partner

**When it comes to HVAC systems,
Weatherite is your go-to expert for both
refurbishment and replacement.**

With decades of industry experience, we offer tailored solutions for air conditioning, air handling, heat recovery, and ventilation, ensuring energy efficiency and long-term performance for every client. Whether upgrading or replacing existing systems, we deliver high-quality results that will meet your unique requirements.

As a leading British manufacturer, we combine cost-effective solutions with the latest technology to maintain the highest standards of quality. Our experienced team will work closely with you from site survey to final installation, ensuring minimal disruption and maximum efficiency throughout the project.





Weatherite Group of Companies



The Complete Solution

Weatherite Group is a leading UK HVAC provider with expertise across all industry sectors.

With over 50 years of experience, we have become one of the UK's leading manufacturers of high-quality, bespoke air conditioning and air handling equipment for a wide range of industries. Our commitment to innovation, efficiency, and precision has helped us build a strong reputation for delivering reliable and effective solutions.

Operating from a state-of-the-art, 140,000 sq. ft. manufacturing facility, we combine cutting-edge product design with energy-saving technology and highly skilled engineers. We proudly serve many of the UK's top brands, ensuring each solution is tailored to their specific needs and backed by exceptional customer service.

Our continued success and growth stem from our ability to respond quickly to customer requirements and deliver the right solution the first time. Our dedicated Refurbishment Team brings years of expertise, working closely with clients to assess their options and complete projects to the highest standards of satisfaction.

For further information please contact our sales team:

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