

Decarbonisation Solutions for Your Building





Cut Costs.
Cut Carbon.
Boost Performance
with Carrier
HVAC Solutions.



Decarbonisation: The Key to a Sustainable Future

Decarbonisation is the process of reducing or eliminating the use of carbon dioxide (CO2) and other greenhouse gases (GHG) from being released into the atmosphere, in order to ultimately enhance the lives we live in and **the world we share**.

With buildings accounting for about 40% of energy-related carbon emissions, regulations have increasingly focused on reducing building greenhouse gas emissions.

Most companies want to act quickly to meet building performance standards but determining where to start, what steps are needed and how to properly invest can prove difficult.

This is why Carrier businesses have been evolving to offer you a comprehensive approach to confronting climate change.



The challenges you face



Regulations and ESG commitments demand greener buildings.

Rising energy costs:
Energy prices continue
to climb, impacting
operational budgets.

Tenants and investors expect sustainability and comfort.

Outdated systems drain money, waste energy, and risk downtime.

Solutions Designed for You

Boost Efficiency While Cutting Direct Emissions

 Low-GWP Refrigerants & High-Efficiency Chillers

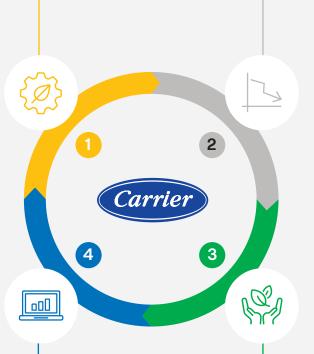
Reduce your carbon footprint with advanced cooling technologies.

- Heat Pumps to Limit Fossil Fuel Use
 Shift to cleaner energy sources and reduce reliance on gas or oil.
- Mid-Life Efficiency Upgrades
 Extend equipment performance and improve energy efficiency without full replacement.
- High-Efficiency Air Side Solutions
 Optimize airflow and ventilation to save energy and enhance comfort.

Optimise your performance with our Service & Digital Solutions

- Management & Reporting with iVu
 Get full visibility on your systems with smart monitoring and performance dashboards.
- Refrigerant Leak Detection
 Ensure compliance and safety with automated leak checks and alerts.
- Abound HVAC Performance
 Maximize uptime, extend equipment life, and reduce unplanned expenses.

 Save energy and cut costs with real-time performance insights.



Minimise Indirect Emissions

- Reduce Dependence on Carbon-Intensive Energy Sources
 Shift towards cleaner, more sustainable
- energy options.
- Chillers with Water Reclaim Capabilities
 Recover and reuse water to improve efficiency and reduce environmental impact.
- Cooling & Heating as a Service
 Flexible, performance-based solutions that optimize energy use and reduce emissions.
- Grid Resilience with Battery Storage
 Enhance energy reliability and reduce peak
 demand with smart battery systems.

Reduce Waste and Energy consumption

- Waste Elimination & Process Optimization
 Streamline operations to cut unnecessary
 consumption and improve overall
 efficiency.
- Energy Audits & Conservation Planning Identify savings opportunities and build a tailored roadmap to reduce energy use and emissions.

Your journey with us

Establishing your chiller plant's existing performance baseline against its design performance is crucial. We conduct an onsite health check and present energy conservation measures that incorporate controls and system operations optimization to improve overall plant efficiency.

Benchmark

Gather data, unique requirements & establish benchmarks

Roadmap

Develop an actionable analysis & roadmap including leveraging regulatory & incentives

Propose

Recommend energy conservation measures & future state benefits

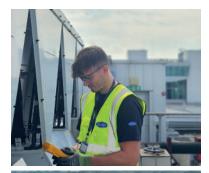
Sustain

Implement & sustain

Customer story:

Carrier supports London Gatwick's Net Zero Journey with dedicated HVAC maintenance and upgrades.

As part of its "Decade of Change" strategy, London Gatwick Airport —the UK's second busiest — has committed to achieving Net Zero Scope 1 and 2 emissions by 2030. To support this goal, Carrier delivers dedicated HVAC maintenance and strategic upgrades across more than 50 chillers located in both the North and South terminals.



Carrier's services included:

- · Daily on-site and remote visits, with a dedicated technician assigned to the airport.
- · Comprehensive asset management, including regulatory compliance (F-Gas. insurance inspections).
- End-of-life equipment replacement with low-GWP solutions, such as the AquaForce® 30XAV chiller using PUREtec® HFO R-1234ze refrigerant.

This proactive approach enables:

- Continuous cooling performance for a site that operates 24/7. serving tens of millions of passengers annually.
- Minimised operational disruptions, with servicing and upgrades carefully planned around airport operations.
- Reduced operational expenditure, through expert maintenance and energy-efficient upgrades.
- · Progress toward Net Zero by 2030, aligned with Gatwick's environmental roadmap.

"Carrier is a trusted partner helping us manage our cooling infrastructure while advancing our environmental goals," said Steve Kelso, Head of Engineering at London Gatwick.

Read more



Discover more customer stories

carrier.com

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By partnering with Carrier, you are not just upgrading your HVAC equipment, you are:

- Protecting your budget from rising energy costs.
- · Enhancing tenant comfort and retention.
- Meeting compliance and sustainability commitments.
- Raising asset value through smarter, greener operations.

Want to explore how Carrier is driving energy efficiency and decarbonisation through smart service strategies?



Energy Audits are a Catalyst for Decarbonisation

Energy audits are no longer just assessments - they're strategic tools for accelerating decarbonisation. By identifying inefficiencies and

opportunities, they pave the way for smarter, greener operations. Carrier's approach combines innovation with actionable insights to drive real impact.

Read more

Performance in any condition - and any building

At Carrier, we have decades of knowledge and expertise across all types of buildings and applications. Our team will work with you to select and implement the right solution to meet the unique needs of your project.



Healthcare



Commercial Office



Hospitality



Manufacturing



Higher Education



Data Centers

Reach out and speak to your local Carrier expert today. Let's unlock efficiency, comfort, and sustainability - together.