

Aiming to cut carbon emissions by 50% by 2025

Centrica embeds sustainable behaviours across property, fleet and business travel to deliver emission reductions



Establishing leadership in carbon reduction

In 2007 Centrica embarked on its journey to cut its global internal carbon emissions from property, fleet and travel in half by 2025. As a market leader in energy solutions, Centrica is utilising its capabilities to embed sustainable technologies and behaviors across the business.

Technology and behavioural change

Across UK properties, Centrica made several changes to the way energy was generated, managed and consumed. A new, low carbon office was established in Oxford, capable of obtaining 30% of its energy from on-site and renewable technology. Centrica also rationalised property across North America and the UK to increase occupancy levels.

Fleet users and employees with company cars were encouraged to opt for hybrid or electric vehicles (EV), supported with the installation of EV charge points at nearly 50 sites. GPS tracking of 14,600 fleet vehicles delivered more efficient driving behaviours. Meanwhile, employees were encouraged to avoid unnecessary travel by using technology instead, such as video-conferencing.

The results

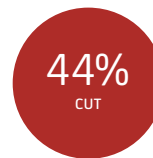
These combined actions driven over the first eight-year target period led to a 27% reduction in global internal carbon emissions since 2007.

Property emissions reduced 44%, global fleet emissions were down 23% and company car emissions fell by 17%.

Consequently, Centrica experienced a 40% reduction in energy use per full time employee in the UK and a 30% drop in average tailpipe emissions from company cars. It also became the operator of the largest fleet of electric vans of its type in the UK. Centrica is now ramping up these efforts with the aim of achieving a further 20% drop in carbon emissions by 2025.



in global internal carbon footprint expected by 2025



in property emissions



in fleet emissions



in company car emissions

How?

- **UK property:** Battery storage, chiller optimisation, Combined Heat & Power (CHP), solar PV, solar thermal, biomass, biofuel, heat recovery, heating, ventilation, air conditioning upgrades (HVAC), LED, red-zone, Demand Side Response (DSR), server room optimisation, thin client PC, site consolidation and enhanced Building Management Systems.
- **North America property:** Energy efficiency and renewable power generation, energy remote sensor measurement, enhanced Building Management Systems and office consolidation and occupation optimisation.
- **UK fleet & travel:** EV & hybrid vehicles, on-site EV charging network, telematic devices, engine re-mapping, vehicle replacement, clean fleet policy, remote conferencing and reduced corporate travel.
- **North America fleet & travel:** Vehicle Replacement Analysis Model (VRAM), improved fuel-efficient fleet, telematic devices, remote conferencing and reduced corporate travel.