



BT Supply Chain Carbon Reduction Activities

BT working with the Carbon Trust and Sheppard Robson on an energy efficiency opportunity assessment

At BT, we have undertaken a number of initiatives over the years working with our suppliers to decarbonise our supply chain. These have included supplier training workshops, webinars on reporting to CDP, innovation challenges, renewable energy procurement support and the BT Better Future Supplier Forum.

In order to continue our efforts to help suppliers reduce their carbon emissions and lower energy costs, BT partnered with carbon and energy efficiency experts the Carbon Trust, to undertake a series of energy efficiency opportunity assessments at selected supplier sites or via virtual engagement.

BT suppliers engaged on the energy efficiency assessments received:

Direct consultation with a Carbon Trust expert in order to systematically review all major energy using systems to assess their energy performance and provide insightful commentary on how deficient systems could be brought up to best practice standards or improved.

Detailed advice and guidance in the form of a comprehensive report, outlining key technology and renewable energy recommendations with estimated energy, cost and carbon savings and associated capital costs.



Sheppard Robson Architects

Sheppard Robson Architects LLP is one of the UK's most established architectural practices, with a reputation for thoughtful and responsible designs. Their London head office is located in a former piano factory, which been home to Sheppard Robson for over 40 years. In 2018, the building was refurbished and extended by the practice, celebrating the industrial heritage of the building whilst ensuring it remains an engaging place to work for a team of 250 people.



Sheppard Robson takes sustainability very seriously, driven by a sustainability and innovation charter that sets out how they aim to continually operate as an environmentally and socially sustainable practice. This was evident in the 2018 refurbishment of their head office, with a number of energy efficiency measures included in the renovation such as fabric upgrades, LED lighting and boiler efficiency improvements.

Having been contacted by BT to participate in this activity, Sheppard Robson had a detailed engagement with a Carbon Trust expert which resulted in the identification of several additional efficiency measures



that could further optimise energy use at the London site, reducing energy costs and cutting carbon emissions.

Key energy efficiency opportunities for Sheppard Robson:

- Further LED lighting upgrades
- Switching to a point of use hot water system
- Optimising server room cooling arrangements
- Improved localised heating controls using SMART Thermostatic Radiator Valves (TRVs)
- Additional boiler upgrades
- Renewable energy generation via solar photovoltaic

Total energy saving potential

32%

Worth over £13k per annum

The energy saving opportunity assessment conducted by the Carbon Trust identified that by investing £53k in energy efficient technologies and renewable energy generation, Sheppard Robson could reduce their annual energy costs by 32%, equivalent to £13k, giving a simple payback of around 3.8 years.

Sheppard Robson has already made significant reductions in their carbon footprint by procuring 100% of their electricity for the London office from renewable sources. The measures highlighted by the Carbon Trust will further reduce the company's carbon emissions by around 9.4tCO₂e per annum by reducing fossil fuel consumption.

Sheppard Robson has plans to action several of the measures highlighted in the report as they aim to become a net zero business.

"The report was an incredibly helpful inventory of the next steps we can take to drive down our demand and residual energy requirements....The Carbon Trust and BT initiative has helped us zoom in on the rest of the tools in our toolbox in our journey toward net zero"

Alison O'Reilly, Head of Sustainability, Sheppard Robson Architects LLP

BT driving towards a low carbon supply chain

Over two-thirds of BT's carbon emissions come from our supply chain. Over the last four years, we have reduced our supply chain carbon emissions by 19% as part of our target to reach a 42% reduction by end of March 2031 and help us be a net zero emissions business by 2045. BT encourages our suppliers to report climate-related data to CDP to enhance transparency and accountability, we run a game changing challenge inviting suppliers to come up with innovative solutions to environmental challenges, and has a clause in key contracts stipulating measurable carbon savings over the term of the contract. BT also supports the UK Business Climate Hub (<https://businessclimatehub.org/uk/>) where companies can find resources and tools on how to reach net zero.

"To help us become a net zero carbon emissions business by 2045, we're asking our suppliers to set their own net zero targets, purchase renewable energy and to engage with their own supply chains on climate action. Leading by example, we hope to encourage others to join us on the Race to Zero."

Gabrielle Ginér, Head of Environmental Sustainability, BT Group