

Electric vehicles reduce CO₂ for city council

Centrica Business Solutions has designed and built an electric vehicle charging hub for a city council, introducing fast and rapid chargers, solar power generation and on-site battery storage.



Seeking a trusted partner

A UK City Council wanted to kick-start a strategy to encourage the switch to electric vehicles (EV). The council needed a trusted partner to deliver the work of its flagship EV charging hub, funded by the UK government's Office for Low Emission Vehicles (OLEV) Go Ultra Low (GUL) award fund.

Turnkey solution

Centrica Business Solutions was selected to help design and build one of the first city charger hubs in the UK to combine EV charging with on-site storage and renewable generation.

Centrica Business Solutions Electric Vehicle Services designed the electrical infrastructure on-site, contributed to the overall project design and budgeting and program managed the build, including civil and ground work and finish.

The project entailed working with multiple stakeholders to deliver a coordinated solution, along with the management of the new connection to the grid.

The results

The City Council now has the largest fleet of electric vehicles of any local authority in the UK, with 87 to date. In the first year, the project saved an estimated 122 tons of carbon emissions.

The city now has one of the most extensive charging infrastructures in the UK. It also boasts 102 'plug-in' electric taxis and 30% of buses are now electric.

Following the success of this initial project, Centrica Business Solutions has also been selected to construct a new charging hub in the city.



Why Centrica Business Solutions?

- Centrica Business Solutions provided a UK City Council with a full turnkey solution from detailed design, program management, construction, to aftercare and maintenance and energy supply
- Provided the ability to manage local energy constraints on-site with flexible, innovative load balancing solutions
- Allows access to dashboard reporting and sustainability tracking and charging is managed through a simple, intuitive employee app