



Case study

Developing electric vehicle compatible telematics for Corby Borough Council
Craig Spence, Corby Borough Council

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The challenge

Corby Borough Council is committed to minimising or eliminating CO₂ emissions on as many of its vehicles as possible, as part of its Action on Climate Change Commitment 5-year plan.

Corby has the best electric vehicle charging infrastructure outside London, and at just eight miles wide it lends itself to the 80-120 mile range enjoyed by electric vehicles before they need to be recharged.

Corby Borough Council has used CMS trackers to optimise routes and minimise fuel consumption on its fleet since 2010, and when it was considering adding four Nissan Leaf electric hatchbacks to its fleet the council asked CMS to develop a tracking system that would work with the plug-in vehicles.

The solution

CMS SupaTrak liaised with Nissan who confirmed that the track and trace system proposed would not negatively affect the electric vehicles or their performance. CMS then worked with council officers to develop an electric-compatible system that offers all the reports and alerts that the council needs. These include start/stop data, vehicle speeds, journey history and vehicle tracking.



Craig Spence, Corby Borough Council:

"CMS's 24/7 live reporting system allows us to analyse and audit start/stop data, speeds and journey histories, so that we can deploy our resources effectively and efficiently. The reports have also helped us compare performance of our electric vehicles to petrol and diesel, to inform our decisions on expanding our fleet.

Working with CMS, we have since added five Nissan ENV200 electric vans to our fleet, which means that 11.5 per cent of our fleet is now electric. We have our own 35kw solar array on the roof of our depot, so we're harvesting the electricity from the sun which we are then pushing back as charge into our electric vehicles, and it costs just £2 to run the Nissan Leaf for 100 miles, with no emissions. The fact that CMS's technology is compatible with electric vehicles is allowing us to become one of the most eco-friendly councils in the country, as well as make substantial cost savings on fuel.

We are also very conscious of our duty of care to our staff, and particularly those colleagues such as trades people or environmental services officers who may be called out to premises out of hours. CMS's 24/7 live system helps us pinpoint exactly where their vehicle is, whatever time of day or night."



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