



cenex



**Lowering your emissions through innovation
in transport and energy infrastructure**

DISTRICT COUNCIL FLEET REVIEW



The Challenge

Newark and Sherwood District Council requested that Cenex undertake a strategic review of their long-term ambition to operate a fully zero tailpipe emission vehicle fleet.

The study aimed to identify the immediate opportunities to adopt ULEV technologies by assessing their operational suitability, total cost of ownership and emissions under current fleet conditions.

The review also included low emission technologies e.g. renewable fuels to account for their large vans and HGVs.



The Development

Low Emission Vehicle Fleet Review

- Assessment of the operational suitability, total cost of ownership and emissions of selected ULEV and LEV technologies
- Recommendations for the most suitable LEV technology for each vehicle with a replacement schedule

Infrastructure Requirements Review

- Assessment of number and type of chargepoint required to support charging of identified replacement electric vehicles
- Information on types, specification and costs of electric vehicle charging infrastructure



The Results

- Battery Electric and Bio-CNG vehicles were identified as suitable alternatives for segments of the fleet.
- The remaining vehicles were identified as being appropriate for the use of lower emission alternative fuels such as FAME and HVO.
- These environmental savings can be achieved at no additional total cost of ownership.