



On-site Refuelling

'Electric and gas refuelling points to supply farm vehicles with low/zero carbon fuels generated and stored on-farm.

Robotic Vehicles

Small-scale task-dedicated autonomous vehicles, with AI and drones to monitor crop and soil health and enable precision treatments.

No-till Cropping

Replace cultivation with no-till solutions and lighter autonomous tractors to cut fuel use and reduce soil compaction.

Biomethane Supply

Upgrading biogas from on-farm AD plants to biomethane for use as fuel for HGVs, and non-road vehicles and tractor.

Diesel Replacement

Low emission gas fuels to replace 'red' diesel – including biomethane (from off and on-site biogas) and hydrogen from on-site electrolysis.

Hydrogen on Farms

Green hydrogen from small-scale electrolysis of on-farm renewable electricity to fuel clean internal combustion (ICE) and fuel cell vehicles.

Rural Public Vehicles

Replace fossil fuel in rural public transport / service vehicles – with green gas fuel and renewable electricity generated on local farms.

Medium Transport

Improved BEV designs with extended range and load capacity – also potential for hydrogen fuel cells.

Food Miles

Expand local production of 'premium' crops using vertical / hydroponic farming systems powered by locally generated renewable electricity / heat, in both rural and urban locations'.

