



AN ALDERCOTE ACCESS PLATFORM HELPS YOU REDUCE POLLUTION

HERE'S HOW...



Every 100kg removed from a platform design saves ca. 150kg of CO2 released in steel production, and improves a vehicle's fuel efficiency by roughly 2%.



SAVE 1.5T CO2/YR WITH AN ALDERCOTE PLATFORM

DID YOU KNOW?

The average diesel-driven van engine ticking over uses about 1 litre fuel/hour. Over a year, an engine running 3 hours/day for 200 working days will consume ca. 600 litres of fuel and emit 1.5 tons of CO2, not to mention the noxious exhaust fumes and associated noise pollution.

Aldercote has developed a solution that saves all the pollution whilst working on a task. *E-Drive* is our self-charging hybrid electric battery system.

- NO exhaust emissions during platform operation.
- You save 1.5 tons CO2 each year.

E-DRIVE – A GAME CHANGER FOR ACCESS PLATFORMS

E-Drive is the way all platforms will be powered in the future and comes as standard across our range. It powers up to twenty cycles with the engine turned off. The battery is then recharged en-route to the next job, so there's never any need to plug in.

WHY ALDERCOTE?

- *E-Drive* – our self-charging hybrid electric system
- NO noxious exhaust fumes while working
- Platform battery recharges between jobs
- Fuel and maintenance savings
- Lower carbon footprint
- Quieter – less noise pollution
- Smooth operations

This delivers fuel savings, and less frequent engine services because of fewer running hours. Engines also run cleaner because soot accumulation during tickover is reduced.

The HSE states that, "short term exposure to diesel exhaust can cause eye irritation, breathing problems and inflammatory symptoms. Prolonged exposure can lead to coughing and breathlessness, lung damage and an increased risk of lung cancer". We can't yet avoid this altogether, but *E-Drive* offers an easy way to reduce exposure.



E-Drive – our self-charging hybrid electric system, and our *Remote Diagnostics Service*, both come as standard.



REDUCED NOISE

E-Drive operates between 49-55dB. This is somewhere between a whisper and a conversation. Near silent operation improves working conditions and communication with the ground, and reduces public nuisance.

DESIGNING FOR THE FUTURE

Our design team strive to reduce weight wherever possible. This is critical to give our customers the spare payload they need. However, it also reduces our platforms' carbon footprint. Every 100kg removed from a platform improves fuel efficiency by roughly 2%. It also avoids the release of roughly 150kg of CO2 in the production of the steel.

Efficiency in design is critical to environmental as well as operational performance.



WHAT IS THE ENVIRONMENTAL IMPROVEMENT PLAN, AND HOW DOES IT AFFECT US?

In 2018, the government introduced the *25 Year Environmental Plan* (25 YEP). This commitment was set into law in the Environment Act 2021.

This includes targets to reduce emissions of nitrogen oxides by 73% by 2030 relative to 2005 levels. To achieve this, it will:

- Facilitate the rollout of further Clean Air Zones by local councils in areas in breach of air quality statutory limits.
- Realign regional air quality zones in line with local government boundaries to drive effective coordinated action.

The direction of travel is clear. With *E-Drive*, you can be sure your operation will be permitted longer than with engine-driven platforms. Or, for total peace of mind, why not opt for zero emissions EV?



Environmental Improvement Plan [EIP]

<https://bit.ly/3F3vtf6>

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Decarbonising Transport

<https://bit.ly/3Jkd6VS>

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Made in Britain

We are the leading UK manufacturer of vehicle-mounted access platforms. We are proud to design and manufacture high performance products that help our customers build and maintain the nation's infrastructure.

Aldercote is a family run business that puts people first. We show this in our customer care and by valuing every employee for their passion, expertise and individuality.

