

Drive out Diesel



With construction accounting for **40%** of the UK's carbon emissions, the industry has a vital role to play in reaching the country's net zero target by 2050.

One of the nine priorities identified within CO₂nstruct Zero is accelerating the shift of the construction workforce to zero emission vehicles and onsite plant, with a route map to eliminate the use of diesel from most sites by 2035.

Whilst there are significant challenges for the industry, the removal of the red diesel rebate has provided an additional financial incentive and there are some simple things that all businesses can do to **Drive Out Diesel** on site.

Less Diesel

Maximise efficiency of plant and equipment

- Use newer plant and equipment
- Use the correct fuel and oil
- Check tyre pressures and air filter cleanliness
- Follow recommended maintenance and servicing schedules
- Review site layout to minimise plant movements
- Minimise idling
- Protect against theft

Use the right machine for the right job in the right way

- Select the right size and voltage of plant and equipment
- Use economy mode
- Employ trained operators with a card carrying the CSCS logo
- Use telemetry to monitor and improve machine usage

Go Alternative

Consider biodiesel, Hydrotreated Vegetable Oil (HVO) or hydrogen-powered plant and equipment

- Ensure availability and sustainability of supply and safe storage on site
- Check reputable origin of fuel
- Maximise efficiency by maintaining equipment and minimising idling
- Contact your trade association for sector-specific advice and guidance

Consider renewable-powered welfare units, lighting and tool charging stations

- Explore options for site set up
- Check there is sufficient daylight for solar panels
- Check there are suitable locations for wind turbines

Trial new technologies, such as flywheel and battery energy storage systems (Li-ion)

More Electric

Adopt an 'electric first' approach

- Contact your local energy provider to connect your site to the mains power as early as possible
- Identify any limits on electrical supply
- Check availability of plant and equipment with your supplier

Inform your supply chain

- Confirm the charging capacity available
- Account for charging time in your programme
- Ask for deliveries by electric vehicles

Install Electric Vehicle (EV) charge points

- Plan ahead with your preferred provider to include in your site set up
- Check for any grants or funding available e.g. from your local authority
- Ensure there are sufficient charge points in suitable locations to support plant and equipment on site
- Include in parking areas for site staff