



# Delivering decarbonisation



# Contents

Net-Zero strategies for the transport and logistics sector	FIVE
Your decarbonisation journey	SIX
Support and solutions at every stage	SEVEN
Understanding your risks	EIGHT
Shaping your decarbonisation strategy	NINE
Managing your current assets	TEN
Implementing your Net-Zero infrastructure	ELEVEN
Maintain carbon-neutral compliance	TWELVE
<b>CASE STUDY:</b> Pioneering ultra-rapid EV charging installation	THIRTEEN
Specialist solutions for your sector	FOURTEEN
• <b>Transport and logistics</b>	FIFTEEN
• <b>Rail</b>	SIXTEEN
• <b>Air and water</b>	SEVENTEEN
<b>CASE STUDY:</b> Ensuring compliant delivery for one of our warehousing and logistics clients	EIGHTEEN
Capabilities you can count on	NINETEEN



FOUR

# Net-Zero strategies for the transport and logistics sector

The transport and logistics sector is on the road to a better, cleaner Britain.

Fuelled by the government's transport decarbonisation plan, the industry has committed to reaching Net-Zero by 2050.

The success story is already under way, with ambitious plans for zero-emission HGVs, low carbon aviation and maritime fuels, and hydrogen trains. But many operators face an uphill journey. Companies are under increasing scrutiny from customers, regulators, and journalists.

Stakeholders are demanding more immediate, more impactful progress against climate change. And while Net-Zero is everyone's ultimate destination, businesses must plot their own, individual path to sustainability.

We think you shouldn't have to make the switch alone. The shift to clean energy requires significant time and investment – and the support of a trusted partner. We've collaborated with a number of transport and logistics operators on large-scale energy infrastructure projects, from hydrocarbon through to biofuels, and more recently in hydrogen and electric.

As the industry moves closer to decarbonisation, we have the expertise to fast-track your transition, whether you're heading toward biofuels, electric, or hydrogen.

# Your decarbonisation journey

## Five steps to Net-Zero





An aerial photograph of a large industrial or logistics facility, possibly a warehouse or distribution center. The building is long and rectangular with a flat roof and red accents. The parking lot in front is filled with numerous semi-trucks of various colors (white, red, blue) parked in neat rows. The scene is captured during sunset or sunrise, with a warm orange glow over the sky and the facility. The text "Support and solutions at every stage" is overlaid in white on the left side of the image.

# Support and solutions at every stage

SEVEN

# Understanding your risks

Before deploying a wholesale energy infrastructure shift, you need to diagnose the strengths and weaknesses of your current framework.

A comprehensive estate audit captures critical baseline data, identifies vulnerabilities, and detects your most damaging emission sources, helping you build a targeted plan of action.

## How we can help:

- Complete infrastructure audits
- Identify energy, fuel and efficiency savings with transport audit
- Tank, separator, bund, and drainage inspections
- Fuel and road tanker testing
- Expert guidance on energy transition, environmental legislation, and regulatory compliance



# Shaping your decarbonisation strategy

Every organisation will take a different route to decarbonisation.

Your ideal path will be driven by a range of factors – from the condition of your existing assets to budget, resources, and long-term business goals. Armed with insights from your infrastructure audit, we'll help you realise savings from your current framework and operations, and plan your most intelligent move to electric, hydrogen, or synthetic fuels.

## How we can help:

- Scenario, timeline, and technology modelling
- Infrastructure design for electric, hydrogen, and biofuels
- Decommission, transition, and implementation planning



# Managing your current assets

As you work to reduce emissions, it's also critical to contain pollution risks across your existing tanks, separators, bunds, and drainage systems.

Working side-by-side with an environmental expert, you'll know how many years you have left in your legacy assets – and how to prevent costly fuel leaks and tank failures from derailing your Net-Zero efforts. A progressive infrastructure maintenance, testing, and inspection programme keeps operations safe, compliant, and on course for carbon neutrality.

## How we can help:

- Fuel quality, management, and transfer services
- Spill detection, monitoring, and clean-up, including 24-hour emergency response
- Tank and separator inspection, cleaning, and servicing
- Bund construction, audit, lining, and ongoing maintenance
- Forecourt transformation and remediation programmes
- Cost-saving strategies to extend and repurpose legacy assets

# Implementing your Net-Zero infrastructure

Whatever alternative fuel strategy you adopt, you need a partner with the vision, experience, and practical know-how to bring it to life, without sacrificing business continuity.

Our qualified specialists prioritise and manage every stage of implementation – from feasibility studies and civil engineering works to supply and installation of biogas, hydrogen, EV tech and hardware – so you continue to deliver for customers throughout your transition.

## How we can help:

- Due diligence, feasibility studies, and environmental surveys
- Asset decommissioning and compliant waste disposal
- Supplier and contractor management
- End-to-end implementation services for hydrogen and biogas infrastructures
- Installation of electrical frameworks and EV charging points





# Maintain carbon-neutral compliance

As clean energy grows and develops, your Net-Zero requirements, challenges, and opportunities will evolve too.

We'll keep you ahead of the curve and on the right side of regulations. With a proactive approach to infrastructure maintenance and renewal, you can seamlessly phase out ageing assets, tackle emerging risks, and champion innovation – at a pace and price that suits your business.

## How we can help:

- Planned preventative maintenance to mitigate developing pollution hazards
- Inspection, testing, and monitoring for hybrid and green infrastructures
- Sector-specific environmental consultancy and compliance support





# Pioneering ultra-rapid EV charging installation

We're at the forefront of the £400m investment in ultra-rapid electric vehicle charging points by independent forecourt operator MFG.

The ambitious initiative will see EV charging points implemented across 500 MFG sites by 2030. As a strategic electrical consultant partner on the project, we provided technical advice on the design and development strategy for installation, specifying all switch gears to be used throughout the entire network.

Our expert team were on site at the pilot for around six weeks, liaising with independent

connection providers and network operators, switch gear manufacturers, and EV charging equipment suppliers.

We managed the physical installation of cables, earthing arrangements, connection testing, commissioning, emergency stop interface with the fuel system, and the supply and installation of all architectural lighting.

The project was delivered on time and on schedule – and is a stunning example of the forecourt of the future.

A photograph of three industrial workers walking on a wet, paved surface. They are wearing high-visibility yellow safety jackets with reflective silver stripes, dark blue work pants, and white hard hats. The worker in the center is also wearing safety glasses and has his right arm slightly raised. The background shows an industrial facility with metal structures, blue storage tanks, and greenery. The overall scene is well-lit, suggesting daytime.

# Specialist solutions for your sector

**FOURTEEN**



# Transport and logistics

We're on our way to clean, quiet, carbon-free transport and freight.

We help you get there quicker with pioneering solutions that actively lower emissions, achieve eco-friendlier deliveries, and keep you compliant via smarter route and load optimisation. Whether your long-range plan lies in hydrogen, electric, biofuels, or a blended approach, a range of quick wins are possible, right here, right now:



## Biogas

The technology exists today to convert your HGV, van or vehicle stock to biogas. Our specialist engineers can decommission your existing framework, and seamlessly design, install, and maintain your renewable fuel infrastructure.



## Hydrogen

Hydrogen power for your fleet is already available. As you identify alternative low/zero-emission fuel sources for your vehicles, we partner with you from decommissioning to design, build, and ongoing support.



## Electric vehicles

Instantly cut fleet emissions by installing EV charging points at key sites. Our end-to-end service covers every critical step, from initial consultation and feasibility study to implementation, commissioning, and sign-off.





# Rail

With almost 38 per cent of the network already powered by electricity, rail is leading the charge towards carbon-free motorised transport.

Our services help you embrace a digital future and accelerate the transformation from diesel to synthetic fuels and hydrogen.



## Biogas

Work with us to map out, source, and implement your biofuel infrastructure. Whether the switch to synthetics is a long-term strategy or short-term stopgap, we'll help you assess and upgrade assets across one depot or your entire estate.



## Hydrogen

The government is actively exploring traction technologies, such as battery and hydrogen trains – and we can help you prepare. Discover how hydrogen can drive your Net-Zero programme and the resources required to ready your network.



## Electric vehicles

Developing your electrical infrastructure is an economical, ready-to-roll-out environmental win. We'll help you lay the groundwork for cleaner trains and fleet vehicles, providing a full turnkey service and proven expertise from design to installation and follow-up.

# Air and water

The maritime and aviation sectors present far-reaching decarbonisation challenges.

Our team helps you plan the way forward, adopt innovations that support your strategy, and remain compliant on your route to zero emissions.



## Biogas

Research into sustainable fuels across both sectors is moving at speed. As targets and technologies unfold, we'll support you in selecting alternative fuels to cut emissions across your entire operation – and create the infrastructure to support the switch.



## Hydrogen

Preparing your sites for hydrogen-powered fleets will deliver a vital head start in the race to decarbonise. Our infrastructure audits provide a valuable starting point to assess the possibilities and practicalities of a hydrogen-led approach.



## Electric vehicles

While hybrid craft are in their infancy, you can still make significant Net-Zero gains across your ground or port-side fleets. Our experts help you visualise and deploy the necessary cabling and hardware to realise immediate EV savings and benefits. And with a core electrical infrastructure in place, you'll be poised to leverage the latest technology.



### Ensuring compliant delivery for our warehousing and logistics clients

In 2018, water contamination in a client's fuel tank caused 25 customer vehicles to break down. It was a costly mistake that risked the reputation of their nationwide distribution centre network.

To prevent future issues, the warehousing and logistics business called on Adler and Allan to implement a planned tank cleaning and testing regime across their entire fuel infrastructure.

We designed a regular site-wide service and maintenance strategy that puts to work our fleet of vacuum and jetting tankers, as well as tech-driven solutions such as CCTV and AdlerView™, a non-man entry, ATEX Zone 1 device for remote tank cleaning.

In addition to routinely inspecting and changing interceptor filters, our highly trained engineers deliver ad hoc environmental expertise for the company's over-ground fuel storage. Specialist services include:

- Fuel sampling and tank testing
- Generic pipework maintenance
- Annual OFTEC oil storage audits
- Pollution prevention and above-ground fuel tank installation

Our one-stop-shop fuel maintenance programme delivers a joined-up response from any division or depot and keeps our client's assets clean, operational, and compliant.

# Capabilities you can count on

Adler and Allan combine specialist knowledge with a clear understanding of individual sector challenges, helping you deploy successful, cost-saving decarbonisation strategies. Talk to us about delivering on your green commitments, for today and tomorrow.



## Expertise

- Over 1000 engineers nationwide
- Qualified to work in ATEX and DSEAR environments
- CompEx electrical engineers with first aid, asbestos and fire awareness, and confined space training
- EEMUA 159 and API 570 and 653 experts



## Quality

- ISO-14001
- Safe Contractor Certificate
- No PS 4253
- Achilles / FPAL Registered
- VAREC and NICEIC approved





## Get in touch

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