



Our commitment
to protecting the
environment

FLANNERY®

flanneryplanthire.com

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Our Pledge...

...to protect the environment.

“ Flannery Plant Hire’s aim has always been to promote a positive, proactive and creative attitude towards protecting the environment. It’s a big priority for us to continue supporting our customers on their Net Zero journeys and we welcome the opportunity to develop greener solutions for us all.

At Flannery, we constantly strive to find the safest, most innovative and sustainable solutions that not only deliver value to our clients, but leave a greener and cleaner legacy. From the ground up. Literally.

We understand that sustainability isn’t just down to plant machinery, but how it’s used and maintained. Hence operator training is a huge part of our success.

And collaboration is key.

Our relationship with the Supply Chain Sustainability School (SCSS) as a Partner and Gold member, and being a founding signatory on their Plant Charter, means that we are part of a powerful drive for change in our industry. Much more powerful than anything we could do in isolation.

We will always be working alongside our clients to build a better, more sustainable future for the construction industry, and in this document you will discover more about our very practical approach and action plans. ”

P. Flannery

Patrick Flannery - Managing Director



Our results show a 10% reduction in emissions from operators who’ve attended our Eco-Operator training.

We deliver Stage IV and V engines, hybrid technology and the widest range of fully electric plant in the UK.

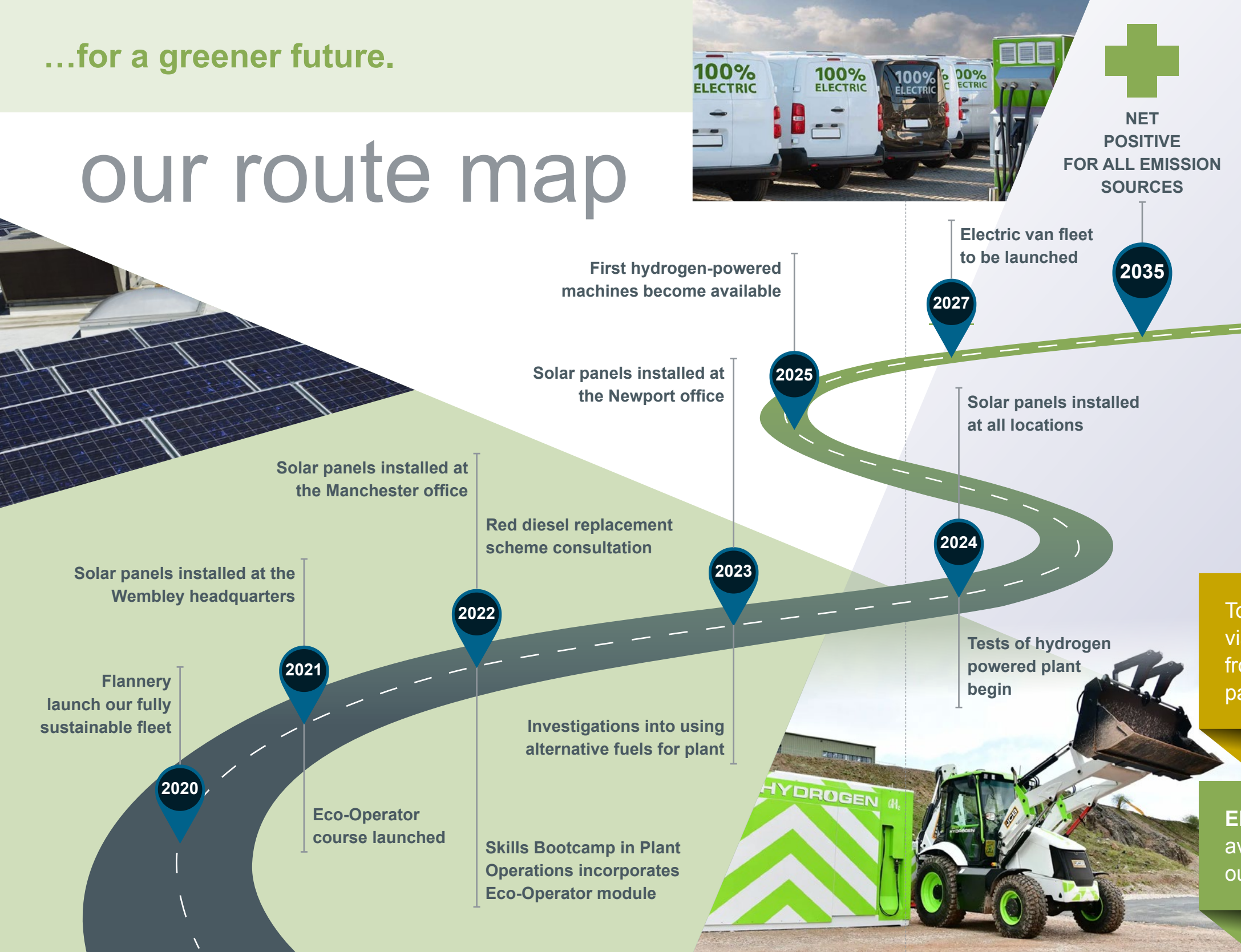
Our EURO 6 compliant HGVs delivered a 30% reduction in fuel consumption during their first year of service.



The Drive...

...for a greener future.

our route map



“It’s our mission to absolutely minimise our environmental impact by all means necessary. Investment in greener fuels plays a huge part in us achieving that.”

Chris Matthew - Head of Business Strategy and ESG

Today, our energy is 70% self-generated via **solar panels** and 30% is sourced from green energy suppliers. By 2024 panels will be installed at all our offices.

Electric vehicle charging points are available at all our offices, widely used by our company car fleet and customers.

The Largest Fleet...

...of hybrid and electric plant for hire in the UK.

We will continue to **invest in the latest innovations** and ensure our fleet supports our clients for their site needs. With each machine being fitted with full telematics and production management information, our fleet is GPS enabled and ready to deliver a greener and more efficient solution for the communities we serve by providing the lowest possible carbon footprint.

Our proactive approach to seeking out and evaluating the latest green solutions means we have been the first provider to bring many of the following products to the hire market.



Hybrid 36T Excavator



Electric 17M Telehandler



Hybrid 20T Excavator



Electric 6M Telehandler

“ On the right project and undertaking the right tasks, these machines will provide the environmentally sound solution you’re after. ”

Dave Foxall - Technology Engineer



Electric 1.5T Dumper



Electric Mini Excavator



Contact your local depot about hiring a hybrid or fully electric machine [here](#).



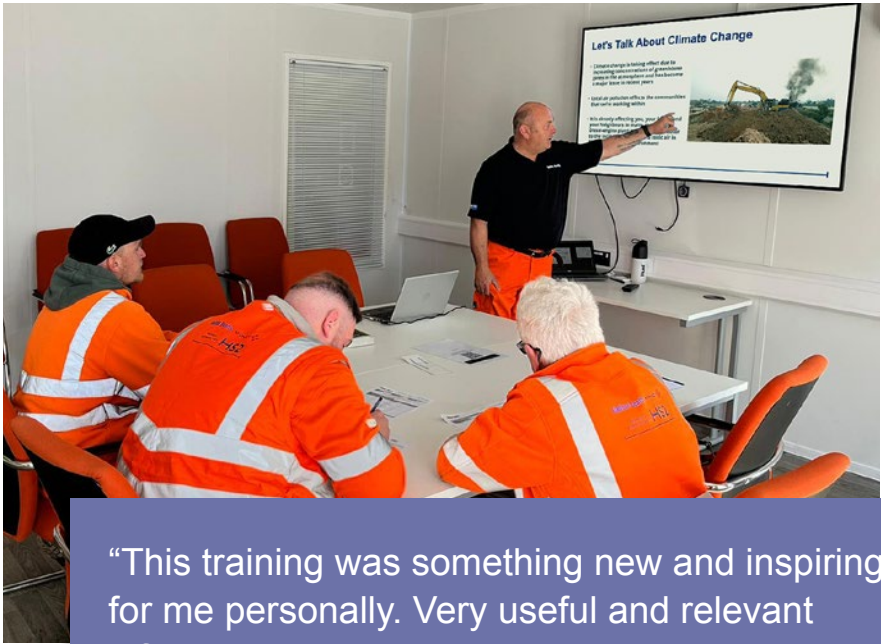
Behavioural Change...

...training our teams for the future.

We continually develop and launch **training modules to help promote sustainability in construction.** With our Skills Hub now being based out of locations across the country, and portable training hubs also available, our training is more accessible than ever. Our award-winning Eco-Operator module is delivered by our team of CPCS Plant Trainers and focuses on best practice and behaviour, often utilising one of our plant simulators. This course is available to anybody, not just Flannery Plant Hire operators, and promotes the better use of plant and technology, focusing on a reduction in fuel consumption and emissions.

Furthermore, we also provide courses that deliver a deeper knowledge and understanding of Machine Control. With specific modules that focus on leading technology from companies including

Leica Geosystems, Trimble and Topcon, we're able to support the correct use of these systems and allow operators to maximise their value.



“This training was something new and inspiring for me personally. Very useful and relevant information - it really made me think about reducing my impact on the environment.”

Andrew Beaumont, Machine Operator



“ We take great pride in offering the most comprehensive, relevant and inclusive training in the industry. ”

Aaron Davis - Head of Skills and Training

Find out more about Flannery's extensive Eco-Operator Training courses [here](#).



Meaningful Data...

...the most powerful tool.

As part of its Machine Control Systems, Flannery has been working with MachineMax to develop a data-driven reporting and management solution that provides a real-time, consolidated view of the emissions, utilisation, idling time, fuel consumption, locations, and operating hours of our fleet of plant and equipment.

This data is shared with clients, helping to reduce emissions on construction sites across the UK.

This enables users to make strategic decisions that impact emissions, fuel-usage, site layout and working methodology (driving productivity) and identifying the most efficient machine mix required.

With the right analysis we can identify the small, day-to-day alterations to machine operation that will have the biggest impact on fuel consumption on construction sites.

One tree has been planted for each machine fitted with the MachineMax telematics system. That's over 3,000 trees so far... and counting!

MachineMax customers report a 10% decrease in idling time, so a fleet of 1,000 machines could save 120,000 litres of fuel - a saving of 340,000 kilograms of CO₂.

- The data we measure
(On a 10-week rolling average)
- Machine utilisation (as a %)
 - Idle time fuel usage (litres)
 - Fuel used (litres)
 - Fuel saving (£)
 - CO₂ emissions (tonnes)
 - Active vs Idle hours
 - Load count
 - Speed (max)

“ Sharing data enables users to make strategic decisions to reduce emissions and fuel-usage. ”

Paul Tuohy - Digital Plant Manager



MACHINEMAX



Find out more about MachineMax here.

Right First Time...

...every time.

For over fifteen years, we've been working with innovative technology on projects to **lead the way in Machine Control Systems and Training**.

Our plant fleet is GPS enabled as standard, and includes built-in features such as Grade Assist (an aid for operators that automates movements for more accurate results). We also work closely with market leaders such as Leica Geosystems, Trimble and Topcon to ensure that we're always delivering the best technological solution to our clients across our comprehensive range of machines, equipment and services.

The aim? Dig once, move once. Getting it right first time every time has obvious benefits when it comes to saving time and therefore money for our clients, but the real impact is in terms of sustainability.



“ Getting it right first time, every time, has obvious savings when it comes to time, fuel and sustainability. ”

Reduction in re-work means less fuel burn, fewer tankers needed for refuelling and, fundamentally, a greener (and safer) solution.

‘Using GPS on graders and dozers specifically avoids unnecessary delays and reduces the use of consumables such as timber, steel pins and paper when in use on site.’
Malcolm Kilbride, Contracts Manager - SMPA, Forkers Ltd.



Find out more about Machine Control Systems and Training [here](#).

Taking the Greener Route...

...with our transport fleet.



Fuel usage down 33.4% = 700 litres per vehicle per month.

Our transport fleet is EURO 6 compliant and all the vehicles are equipped with extras to reduce emissions and make deliveries cleaner, including the Scania Fleet Management system. This allows us full visibility to take control of our fleet, manage costs and reduce fuel emissions. It also means we can monitor and improve driver performance and behaviour.

Deliveries are planned and executed using the latest technology and telematics, which allows us to increase efficiency and reduce carbon output by:

- Planning and executing the most efficient routes
- Keeping our drivers (and customers) up to date with live traffic and travel information

For the communities we work within, the auto-idle technology fitted to our delivery vehicles brings noise reductions, as well as substantial fuel savings and environmental benefits.

Moving forward, our extensive use of telematics has provided a comprehensive data flow giving management keen insights into all our operations. Sharing this information with the team and with clients will become an important aspect of our transport service.

We place great store on the skill and experience of our drivers. It's even better to be able to back this up with hard data. All the transport team take a great pride in being the best that we can be.

We are the first UK hirer to invest in the Tesla Semi - the first all-electric Class 8 truck.

“ Embracing new technologies and investing in training has improved our average HGV fuel consumption from 3.5mpg to 6.1mpg over a 3-year period. ”

John Moran - Director



Collaborating...

...for change.

Our partnership and Gold status with the Supply Chain Sustainability School (SCSS) is a key factor in our sustainability pledge.

We're proud to be a founding signatory to the Plant Charter. This was set up as an industry working group following the declaration of a climate emergency. Together, this group has focused on an achievable roadmap for plant specification.

A unified approach is being developed to reduce emissions and improve air quality by adhering to five values: engagement, awareness raising and education, measurement and reporting, innovation investment and minimum standards in procurement.

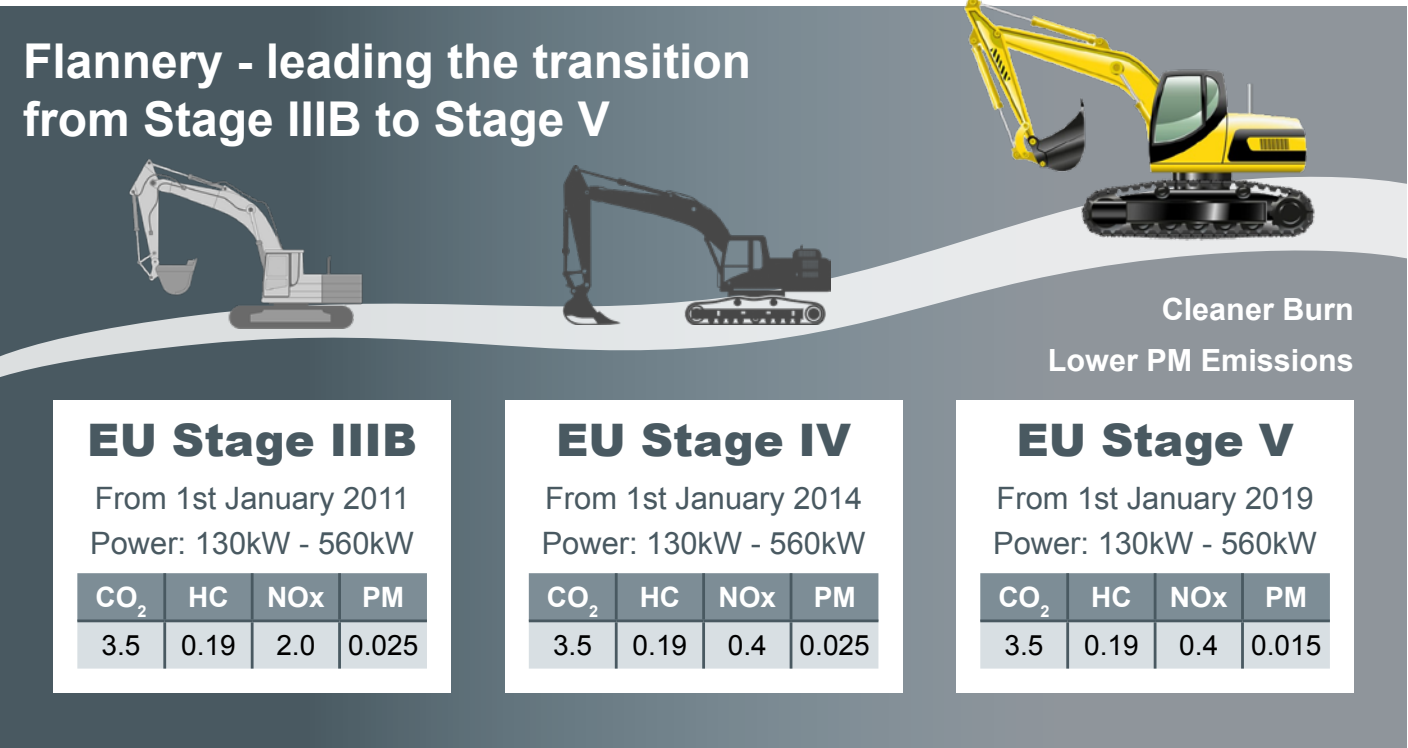
Putting the approach into action has seen Flannery Plant Hire leading the transition from Stage IIIB to Stage V vehicles.

We're 100% committed to minimising emissions on sites across the UK - it's something we're passionate about and take incredibly seriously.

Use of our CAT 320 Next Generation excavator fitted with CAT Grade 2D and Laser, versus manual operation, saves 63% on man hours and 12% fuel usage.

“ Flannery Plant Hire is a valued Key Partner in the Supply Chain School. Their support has been crucial and they truly understand the need for the whole plant hire sector to become more sustainable. ”

James Cadman - Lead Consultant at Action Sustainability and Plant Group Lead in the School.



SUPPLY CHAIN SUSTAINABILITY
SCHOL



Find out more about Flannery's sustainability goals and activities [here](#).



Measure, Improve, Repeat...

...how do we track our progress?

Emissions Scopes define how direct or indirect a company’s greenhouse gas (GHG) emissions are. The three Scopes are defined as follows:

Scope 1

Emissions from sources that an organisation directly owns or controls - eg from burning fuel in our own fleet of vehicles.

Scope 2

Emissions that a company causes indirectly and come from where the energy it purchases and uses is produced - eg emissions caused when generating electricity used in our buildings.

Scope 3

Emissions not produced by the company itself and not the result of activities from assets owned or controlled by them, but instead by those that it’s indirectly responsible for up and down its supply chain - eg when buying, using and disposing of products from suppliers. Scope 3 emissions include all sources not within the Scope 1 & 2 boundaries.

Our Emissions Data:

Scope	Gross GHG Emissions (tCO ₂ e)	
	Apr 21 - Mar 22	Apr 22 - Mar 23
Scope 1	3,719	3,445
Scope 2	147	127
Scope 3 (including electricity T&D)	13	12
Total gross emissions	3,879	3,584

Flannery has seen their **Scope 1 emissions drop by 7.3% year on year.**

Intensity ratio

Intensity Ratios are a way of comparing carbon emissions across different sectors over time. Normalising emissions data against a core business operational metric such as turnover, allows stakeholders to easily compare businesses.

Streamlined Energy and Carbon Reporting (SECR) intensity ratios are calculated by dividing emissions by an organisation-specific metric. Compliant companies must include at least one intensity ratio in their report. Flannery normalises its emissions data using turnover, giving an Intensity Ratio of tonnes of CO₂e per £m turnover.

	Apr 21 - Mar 22	Apr 22 - Mar 23
Total Gross GHG Emissions (tCO ₂ e)	3,879	3,584
Normalising metric (£m turnover)	166	212
Intensity Ratio	23.4	16.9

Our **intensity ratio** shows a **27.8% drop** year on year.

“ Increased use of hybrid and electric plant, combined with our in-house Eco-Operator Training programme has reduced diesel emissions year on year. ”

Chris Matthew - Head of Business Strategy and ESG



The Future...

...has to be sustainable.

“ We will always work alongside our clients to build a better, more sustainable future for the construction industry, to leave a greener and cleaner legacy. ”

Patrick Flannery - Managing Director



- 01 London Depot (Head Office)
Tel: 0208 900 9290
- 02 Iver (Training Hub)
Tel: 0208 900 9290
- 03 Leighton Buzzard Depot
Tel: 0208 900 9290
- 04 Bicester Depot
Tel: 0208 900 9290
- 05 Newport Depot
Tel: 01633 530 511
- 06 Great Yarmouth Depot
Tel: 01493 800 624
- 07 Brackley (Training Hub)
Tel: 0208 900 9290
- 08 Birmingham Depot (Training Hub)
Tel: 0121 725 9090
- 09 Manchester Depot
Tel: 01925 814 394
- 10 Penrith Depot
Tel: 0208 900 9290
- 11 Northumberland Depot
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“WORKING WITH OUR CLIENTS TO BUILD
A BETTER, MORE SUSTAINABLE FUTURE
FOR THE CONSTRUCTION INDUSTRY.”

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