



# Carbon Reduction Plan

August 2024



# PPN 06/21: Carbon Reduction Plan



LTE Scientific, a leader in the manufacture and supply of medical and laboratory equipment, recognises the urgent need to address climate change by reducing its carbon footprint. This plan outlines the strategies and actions the company will undertake to achieve substantial reductions in greenhouse gas (GHG) emissions.

**Supplier Name:** LTE Scientific

**Publication Date:**

## Baseline Emissions Footprint

Baseline emissions are a record of the greenhouse gases that have been produced in the past and were produced prior to the introduction of any strategies to reduce emissions. Baseline emissions are the reference point against which emissions reduction can be measured.

This baseline emissions covers the seven main Greenhouse Gases (GHG) covered by the Kyoto Protocol which include carbon dioxide (CO2), methane (CH4), nitrous oxide (N2O), hydrofluorocarbons (HFCs), perfluorocarbons (PFCs), sulfur hexafluoride (SF6) and nitrogen trifluoride (NF3)

**Baseline Year:** 2023

### Additional Details relating to the Baseline Emissions calculations.

This baseline includes all Scope 1, Scope 2, and a subset of Scope 3 emissions. As this is our first comprehensive assessment, no prior Scope 3 emissions reporting exists. Future reports will include a more detailed Scope 3 analysis as data collection processes are refined.

### Baseline year emissions:

EMISSIONS	TOTAL (tCO <sub>2</sub> e)
<b>Scope 1</b>	<b>455.8</b>
<b>Scope 2</b> (location based)	<b>28.7</b>
<b>Scope 3</b>	<b>1613.8</b>
Purchased Goods and Services	1412.0
Capital Goods	39.1
Waste Generated in operations	0.3
Business Travel	121.1
Employee Commuting	41.2
<b>Total Emissions</b>	<b>2098.3</b>



## Commitment to achieving Net Zero

LTE Scientific is committed to achieving Net Zero emissions by 2050

## Current year emissions

LTE Scientific is in the process of measuring its 2024 emissions, therefore currently its baseline and current year emissions are the same.

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## Emission Reduction Targets

At LTE Scientific, our carbon reduction targets are a key pillar of our commitment to a sustainable future. With a clear goal of achieving net-zero emissions by 2050, we have set ambitious targets to reduce our Scope 1 and 2 emissions by 20% by 2028, compared to our 2023 baseline.

This plan demonstrates our proactive approach to environmental responsibility, ensuring that we play a significant role in the global effort to combat climate change. By integrating these targets into our business strategy, we are not only reducing our environmental impact but also driving innovation, enhancing our operational efficiency, and delivering greater value to our customers and stakeholders. Our carbon plan reflects our dedication to leaving a positive legacy for future generations and leading by example within our industry.





## **Net-zero Pathway**

**Scope 1 and 2 over 5yrs**

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## Carbon Reduction Projects



## Completed Carbon Reduction Initiatives

The following environmental management measures and projects have been implemented or since the 2023 baseline.

### Vehicles

- **Fuel-Efficient Vehicles:** Use of fuel-efficient diesel/hybrid vehicles reduces CO2 emissions.
- **Regular Maintenance:** Keeps vehicles efficient, lowering CO2 emissions.

### Waste

**Proper Waste Management:** Reduces carbon emissions from waste decomposition and processing.

#### **Controlled Waste:**

- Minimises landfill use, cutting methane emissions.
- Promotes recycling, reducing energy use and carbon emissions.

#### **Hazardous Waste:**

- Safe disposal prevents contamination of carbon-absorbing ecosystems.
- Avoids high carbon costs of environmental remediation.

### Hazardous Substances

**Contamination Prevention:** Protects carbon sinks by controlling exposure.

**COSHH Assessments:** Promotes safer, less carbon-intensive practices.

### Waste Electrical and Electronic Equipment (WEEE)

#### **Compliance with WEEE and ROHS:**

- Proper disposal and recycling save energy and lower emissions
- Minimises hazardous substances, reducing cleanup costs and associated carbon impact.

## Looking Forward

### **Energy Efficiency:**

- Upgraded lighting systems to LED.
- Optimised HVAC systems for energy efficiency.
- Implemented energy management systems to monitor and reduce consumption.

### **Renewable Energy:**

- Transitioned to 100% renewable electricity by 2050.
- Installed on-site renewable energy sources, such as solar panels, where feasible.

### **Fleet Management:**

- Transitioned company vehicle fleet to electric or hybrid models.
- Implemented route optimisation software to reduce fuel consumption.
- Encouraged the use of public transportation, cycling etc where possible.

### **Sustainable Procurement:**

- Sourced materials from suppliers committed to reducing their carbon footprint.
- Prioritise the use of recycled and sustainable materials in product design.
- Collaborated with suppliers to improve the sustainability of the supply chain.



# Decarbonisation Roadmap – Short Term

Actions below have been identified to focus on LTE’s emissions and short term and long-term actions are outlined in this report. Actions have been mapped for each focus area to ensure near and long-term targets can be met. These activities and targets are set out in the short- and long-term chunks to ensure consistent development towards the end target of reaching net zero.

Short Term 1-4 years	
<p><u>Actions:</u></p> <p>Energy Efficiency Improvements</p> <p>Sustainable Procurement</p> <p>Employee Engagement</p> <p>Waste Reduction</p> <p>Measure and Report</p>	<p><b>Conduct an Energy Audit:</b> Identify areas where energy is being wasted (e.g., inefficient lighting, HVAC systems).</p>
	<p><b>Switch to LED Lighting:</b> Replace all traditional bulbs with energy-efficient LED lights.</p>
	<p><b>Implement Power Management:</b> Ensure that all electronic devices and machinery are turned off when not in use, especially overnight.</p>
	<p><b>Source Green Materials:</b> Prioritise purchasing from suppliers that offer eco-friendly or recycled materials.</p>
	<p><b>Promote Energy Awareness:</b> Educate employees on simple ways to reduce energy use at work, such as turning off lights and using power strips.</p>
	<p><b>Reduce Paper Use:</b> Shift to digital documentation and communication wherever possible to cut down on paper consumption.</p>
	<p><b>Track Energy Consumption:</b> Begin regularly monitoring your company’s energy usage and set benchmarks for reduction.</p>



# Decarbonisation Roadmap – Long Term

	Long Term 1-10 years
<p><u>Actions:</u></p>	<p><b>Explore Solar Panel Installation:</b> Investigate the feasibility of installing solar panels on your premises to reduce reliance on grid electricity.</p>
<p><b>Renewable Energy Adoption</b></p>	<p><b>Implement Energy-Efficient Equipment:</b> Gradually replace old equipment with energy-efficient alternatives.</p>
<p><b>Sustainable Operations</b></p>	<p><b>Optimise Supply Chain:</b> Work with suppliers and partners to reduce carbon emissions across the supply chain by encouraging sustainable practices.</p>
<p><b>Carbon Offsetting</b></p>	<p><b>Invest in Carbon Offsets:</b> For emissions that cannot be reduced, consider investing in certified carbon offset programs that support reforestation, renewable energy, or other environmental projects.</p>
<p><b>Continuous Improvement</b></p>	<p><b>Regularly Review and Update Goals:</b> Every year, reassess your decarbonization roadmap to incorporate new technologies, regulations, and company growth</p>
<p><b>Sustainable Product Development</b></p>	<p><b>Employee Training Programs:</b> Provide ongoing education to employees on sustainability best practices and encourage innovation in reducing the company’s carbon footprint.</p>
	<p><b>Develop Eco-Friendly Products:</b> Explore opportunities to create or enhance products with sustainability in mind, such as using biodegradable materials or designing for energy efficiency.</p>





# Declaration and Sign Off

By implementing this carbon reduction plan, LTE Scientific demonstrates its commitment to sustainability and environmental management. Through continuous efforts and collaboration, the company aims to achieve its carbon neutrality goals and contribute to a healthier planet for future generations.

This Carbon Reduction Plan has been completed in accordance with PPN 06/21 and associated guidance and reporting standard for Carbon Reduction Plans

Emissions have been reported and recorded in accordance with the published reporting standard for Carbon Reduction Plans and the GHG Reporting Protocol corporate standard and use the appropriate Government emission conversion factors for greenhouse gas company reporting.

Scope 1 and Scope 2 emissions have been reported in accordance with SECR requirements, and the required subset of Scope 3 emissions have been reported in accordance with the published reporting standard for Carbon Reduction Plans and the Corporate Value Chain (Scope 3) Standard.

This Carbon Reduction Plan has been reviewed and signed off by the board of directors (or equivalent management body).

### **Signed on behalf of the Supplier:**

Name:

Role:

Signature:

Date: