Orion Medical Supplies Ltd: Net Zero Plan

Commitment Statement:
This Net Zero Plan outlines goals, strategies, and actions for reducing carbon emissions to contribute to global efforts against climate change. The aim is to achieve net zero by 2050, with key interim targets to track progress along the way.

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1. Long-Term Vision

Achieve **Net-Zero Carbon Emissions** by 2050. This will be accomplished by systematically reducing carbon emissions across operations, supply chains, products, and services, while investing in carbon removal technologies.

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2. Interim Targets

Year	Target	Reduction from Base Year
2030	Reduce carbon emissions by 25%	25%
2035	Reduce carbon emissions by 50%	50%
2045	Achieve 75% reduction in carbon emissions	75%
2050	Achieve net-zero carbon emissions	100%

Base Year: 2024

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3. Key Focus Areas for Emission Reductions

A. Energy Efficiency

- **Goal:** Improve energy efficiency across facilities and operations.
    - **Actions:**
        - Conduct energy audits by 2027.
        - Review heating, ventilation, and air conditioning (HVAC) systems with energy-efficient models.
        - Reduce energy consumption per unit of output by 30% by 2030.
    - **Target:** 20% energy consumption reduction by 2030.

B. Renewable Energy

- **Goal:** Transition to 100% renewable energy for all operations.
    - **Actions:**
        - Source 25% of electricity from renewable sources (solar, wind) by 2030.
        - Install on-site renewable energy generation (e.g., solar panels) at all major facilities by 2032.
        - Purchase Renewable Energy Certificates (RECs) to offset non-renewable energy use where direct sourcing is not possible.
    - **Target:** 25% renewable energy by 2030.

C. Transportation

- **Goal:** Decarbonize fleet and employee commuting.
    - **Actions:**
        - Transition to an electric vehicle fleet by 2030.
        - Implement remote work policies and incentivize public transit or carpooling to reduce commuter emissions by 20% by 2027.
        - Partner with logistics providers that prioritize carbon-efficient transportation options.
    - **Target:** 50% reduction in transportation-related emissions by 2035.

D. Supply Chain and Procurement

- **Goal:** Reduce emissions across the supply chain.
    - **Actions:**
        - Implement a supplier code of conduct with emissions reduction requirements.
        - Partner with suppliers who have science-based targets to reduce their carbon footprint.
        - Switch to low-carbon materials (e.g., recycled content) in manufacturing by 2030.
    - **Target:** 25% reduction in supply chain emissions by 2030.

E. Waste Management

- **Goal:** Minimize waste and promote circular economy principles.
    - **Actions:**
        - Reduce operational waste by 25% by 2030 through recycling and reusing materials.
        - Achieve zero waste to landfill by 2035.
        - Implement product take-back schemes for recycling or repurposing.
    - **Target:** 25% reduction in waste by 2030.

F. Carbon Offsetting

- **Goal:** Offset remaining emissions through verified carbon removal projects.
    - **Actions:**
        - Invest in reforestation, carbon capture and storage (CCS), and other offset projects.
    - **Target:** Full offset of any remaining emissions by 2050.

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4. Monitoring and Reporting

- **Annual Reporting:**
  Progress will be publicly reported on an annual basis, highlighting key achievements, emissions reductions, and future actions.
- **Third-Party Verification:**
  Engage independent auditors to verify emissions data and ensure transparency.
- **Metrics:**
    - Total CO2e emissions (Scope 1, 2, and 3).
    - Energy consumption and renewable energy use.
    - Transportation emissions.
    - Waste generation and recycling rates.

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5. Employee and Stakeholder Engagement

- **Training Programs:** Develop internal training for employees on sustainability practices and their role in achieving carbon reduction goals.
- **Collaboration:** Work with industry coalitions, governments, and NGOs to support global climate initiatives.
- **Incentives:** Encourage employees to contribute by offering incentives for green commuting, home energy efficiency, and personal carbon footprint reduction.

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6. Risks and Contingency Planning

- **Risks:**
    - Availability of renewable energy infrastructure.
    - Delays in technological advancements (e.g., EV charging networks, CCS).
    - Supply chain disruptions.
- **Mitigation:**
  Continually reassess targets and strategies to adapt to emerging technologies and policy changes.

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7. Conclusion

This Carbon Reduction Plan reflects a comprehensive approach to addressing climate change by setting ambitious yet achievable targets, engaging all levels of the organization, and ensuring transparency and accountability. By meeting these targets, we will reduce our environmental impact and contribute to a more sustainable future for generations to come.

Key Milestones:

- 2030: 25% reduction in carbon emissions.
- 2035: 50% reduction in carbon emissions.
- 2045: 75% reduction in carbon emissions.
- 2050: Net-zero carbon emissions achieved.

Scope 1 (Direct Emissions)

- **Cars:** Measurement of emissions from fleet cars and delivery cars. The plan is to transition to electric vans over the next 5 years to reduce these emissions.
- **Company-Owned Refrigerated Storage Units**: Operation of **refrigerated storage units** to maintain temperature-sensitive products like sterile water and medical samples. Refrigerant gases (such as HFCs) leak from these units, they contribute to Scope 1 emissions due to their high global warming potential.

Scope 2 (Indirect Energy Emissions)

- **Electricity:** Reporting of emissions from electricity used in the warehouses and offices, noting a commitment to switching to 100% renewable electricity by 2035.

Scope 3 (Other Indirect Emissions)

- **Emissions come from**
    - Manufacturing of plastic components for syringes by overseas suppliers.
    - Transportation of products from the manufacturing plants to the UK (primarily via ocean freight).
- **Emissions from Supplier Manufacturing**:
- Components like plastic syringes and metal needles from external suppliers. The emissions generated during the manufacturing process at the supplier's facility.
- **Emissions come from** the disposal of single use syringes, emissions arise from the use and disposal of these products in healthcare settings. The energy used by hospitals to process and dispose of these kits through incineration or landfill.

Signed By:

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