

Orion Medical Supplies Ltd: Carbon Reduction Plan

Purpose:

This Carbon Reduction Plan outlines goals, strategies, and actions for reducing carbon emissions to contribute to global efforts against climate change. The aim is to become carbon neutral by 2050, with key interim targets to track progress along the way.

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.

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

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.