



**SOLACE ELECTRICAL LTD
CARBON REDUCTION PLAN**

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Introduction

Solace Electrical is committed to reducing its carbon footprint in alignment with global sustainability goals. This carbon reduction plan outlines key actions to minimize our environmental impact while continuing to deliver high-quality mechanical and electrical services.

1. Assessing Current Carbon Footprint

To start, we will conduct a full assessment of our carbon emissions. This will include:

- **Energy Usage: Auditing energy consumption across our office, warehouses, and operational sites.**
- **Fleet Emissions: Measuring the carbon impact of our fleet and any third-party logistics providers.**
- **Material Sourcing: Evaluating the environmental impact of the materials we use in our operations, particularly focusing on high-carbon items.**
- **Employee Commutes: Monitoring the carbon footprint associated with employee commuting and business travel.**

2. Setting Reduction Targets

- **Baseline Year: We will use 2023 as our baseline year for carbon emissions.**
- **Reduction Goals: Solace Electrical aims to reduce its carbon emissions by 10% over the next 5 years, with a long-term target of achieving net-zero emissions by 2035.**

3. Energy Efficiency Initiatives

- **Office & Warehouse Efficiency: We will implement energy-saving measures such as upgrading to LED lighting, installing motion sensors in low-traffic areas, and improving insulation in buildings to reduce heating and cooling demand.**
- **Green Energy Transition: Where feasible, we will transition to renewable energy sources, such as solar panels or green energy providers, for our electricity needs.**

4. Sustainable Fleet & Transport

- **Vehicle Transition: As fleet vehicles reach the end of their lifecycle, we will replace them with electric or hybrid vehicles.**
- **Optimized Routing: To reduce fuel consumption, we will adopt route optimization tools for job assignments, ensuring the shortest and most efficient travel routes.**
- **Encouraging Public Transit and Carpooling: For employees, we will promote the use of public transport, carpooling, or cycling to work, reducing individual commuting emissions.**

5. Sustainable Sourcing and Waste Management

- **Eco-friendly Materials:** We will prioritize purchasing materials and products with lower carbon footprints, focusing on suppliers that offer sustainable and eco-friendly alternatives.
- **Waste Reduction:** A program will be implemented to reduce material waste, encouraging recycling and reuse on projects. This will also extend to office waste, such as paper and plastics.

6. Employee Engagement & Awareness

- **Training Programs:** We will establish regular training sessions to educate employees on carbon reduction strategies and sustainable practices both at work and at home.
- **Remote Work Options:** Where possible, employees will be encouraged to work remotely or adopt flexible schedules to minimize the need for commuting.

7. Reporting and Transparency

- **Regular Reporting:** We will set up a system for tracking our emissions and publish annual carbon reduction reports to monitor progress.
- **Client Communication:** Our carbon reduction efforts will be transparently communicated to clients, demonstrating our commitment to sustainability and providing additional value to our services.

8. Carbon Offsetting

For unavoidable emissions, Solace Electrical will invest in carbon offset initiatives such as reforestation projects and supporting renewable energy ventures.

Conclusion

Solace Electrical is dedicated to playing its part in combating climate change. This carbon reduction plan will help us minimize our environmental footprint while enhancing our operations, setting us on the path to a more sustainable future.

Company Timeline

2020 Baseline

25% of company vehicles plug in hybrid

March 2020

ISO 14100 Environmental Management System (EMS)

April 2022

Replacement of two company hybrid vehicles to full EV

October 2022

Driver employed to enable more engineers to use public transport to travel to sites

July 2024

Bigger Storage unit to enable sorting of returns, to allow more recycling of materials.

October 2024

33% of vehicles are EV

Targets

2027

All vehicles EV

2035

Carbon Neutral