



**AMALGAMATED LIFTS**

# ENVIRONMENTAL **POLICIES**

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[www.al-lifts.co.uk](http://www.al-lifts.co.uk)

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**Carbon Neutral Plan**

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## INTRODUCTION

This comprehensive, detailed, and robust Carbon Neutral Plan outlines the strategic initiatives and actions that Amalgamated Lifts Ltd will undertake to achieve carbon neutrality by 2030. As a responsible and forward-thinking organisation, we are committed to reducing our carbon footprint, mitigating the impacts of climate change, and contributing to a sustainable future.

## BASELINE ASSESSMENT AND TARGET SETTING

- Conduct a comprehensive baseline assessment of Amalgamated Lifts Ltd's current carbon emissions, including scope 1, 2, and 3 emissions, by analysing energy consumption, transportation, manufacturing processes, and waste management.
- Set ambitious, science-based targets aligned with the Intergovernmental Panel on Climate Change (IPCC) recommendations and the Paris Agreement to limit global warming to 1.5 degrees Celsius above pre-industrial levels.

## ENERGY EFFICIENCY AND RENEWABLE ENERGY

- Implement energy-efficient technologies, practices, and equipment across all operations, including lifts and escalators, offices, and manufacturing facilities.
- Conduct energy audits to identify areas for improvement and implement energy-saving measures such as LED lighting, smart building systems, and optimized energy management.
- Maximise the use of renewable energy sources, such as solar and heat, by installing on-site renewable energy generation systems and exploring off-site renewable energy procurement options.

## SUSTAINABLE TRANSPORTATION

- Transition of the company's fleet of vehicles to electric or low-emission alternatives, minimising reliance on fossil fuels.
- Establish a green logistics strategy to optimise transportation routes, reduce emissions from delivery vehicles, and promote sustainable last-mile delivery options.
- Encourage employees to choose sustainable commuting options, such as public transportation, cycling, or carpooling, by providing incentives and infrastructure support.

## SUPPLY CHAIN OPTIMISATION

- Collaborate with suppliers and contractors to ensure they adhere to sustainable practices, including carbon reduction targets and responsible sourcing.
- Conduct a supply chain assessment to identify high-impact areas and work with suppliers to implement carbon reduction measures.
- Prioritise partnerships with suppliers that have a strong commitment to carbon neutrality and offer sustainable products and services.

## **WASTE MANAGEMENT AND CIRCULAR ECONOMY**

- Implement a comprehensive waste management strategy that reduces, reuses, and recycles materials throughout the organisation.
- Minimise waste generation through process optimisation, product design for durability and recyclability, and the use of recycled materials in manufacturing processes.
- Explore opportunities to incorporate circular economy principles, such as product take-back programs and the development of remanufacturing and refurbishment services.

## **EMPLOYEE ENGAGEMENT AND AWARENESS**

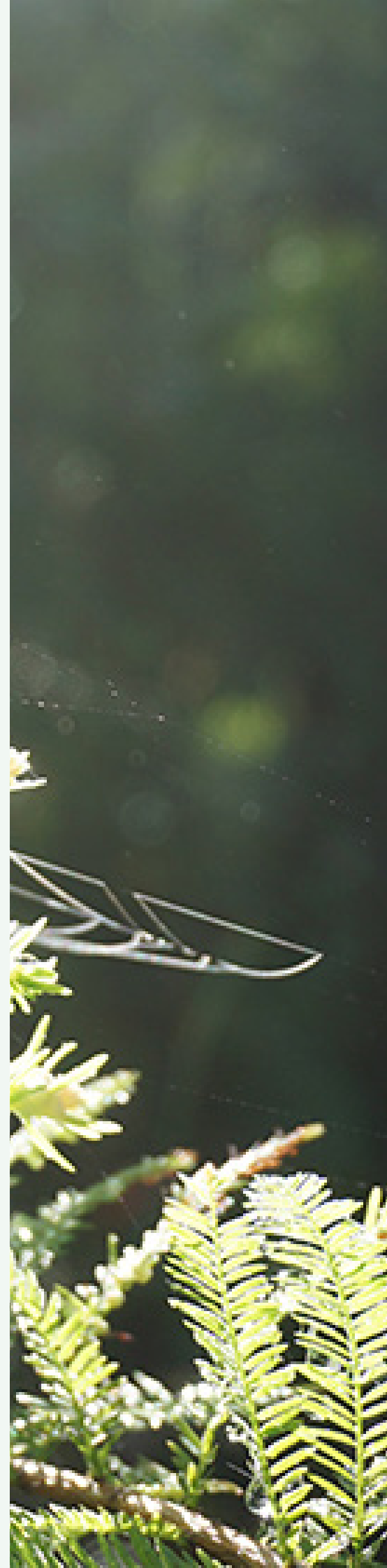
- Foster a culture of sustainability by providing training and awareness programs to educate employees about the importance of carbon neutrality and their role in achieving it.
- Establish employee-led green teams to drive innovation, implement energy-saving initiatives, and identify new opportunities for carbon reduction within the organisation.
- Recognise and reward employee contributions to sustainability goals and encourage knowledge sharing and collaboration.

## **MONITORING, REPORTING, AND VERIFICATION**

- Establish robust monitoring and reporting systems to track progress towards carbon neutrality targets.
- Implement a comprehensive data management system to collect and analyse carbon emissions data, ensuring accuracy and transparency.
- Conduct regular external audits and verification of emissions data to ensure compliance and credibility.

## **COLLABORATION AND ADVOCACY**

- Engage with industry associations, government bodies, and stakeholders to advocate for policies and regulations that support carbon neutrality and sustainable practices.
- Collaborate with other organisations in the sector to share best practices, research, and innovations to accelerate the transition to a low-carbon economy.
- Participate in industry forums and initiatives to drive collective action and address sector-specific challenges related to carbon neutrality.



## ENERGY EFFICIENT FUTURE

Amalgamated Lifts Ltd is implementing several energy-efficient technologies and practices across its operations.

By adopting these energy-efficient technologies and practices, Amalgamated Lifts Ltd is committed to reducing energy consumption, lowering operating costs, and minimising its environmental footprint.

Amalgamated Lifts Ltd is committed to leading the industry in achieving carbon neutrality by 2030. This comprehensive, detailed, and robust Carbon Neutral Plan outlines our strategic roadmap to reduce our carbon footprint, promote sustainable practices, and contribute to a greener future. By implementing these initiatives, we will not only mitigate the impacts of climate change but also enhance our brand reputation, attract environmentally conscious customers, and drive long-term business success. Together, let us create a sustainable and carbon-neutral future.

## CONTINUOUS IMPROVEMENT AND INNOVATION

- Continuously review and update the Carbon Neutral Plan to incorporate emerging technologies, best practices, and industry advancements.
- Invest in research and development to identify and implement innovative solutions that further reduce carbon emissions.
- Foster partnerships with research institutions, startups, and technology providers to explore new opportunities for carbon reduction and sustainable innovation.

## LED LIGHTING

Amalgamated Lifts Ltd is replacing traditional lighting fixtures with energy-efficient LED lights. LED lights consume significantly less energy and have a longer lifespan compared to traditional incandescent or fluorescent lights. This helps reduce energy consumption and maintenance costs.

## SMART LIFT MONITORING TECHNOLOGIES (SAFELINE – LYRA – ORION)

Amalgamated Lifts Ltd is leveraging smart lift technologies to optimise energy usage. Smart sensors installed in the lifts provide real-time data on energy and usage, enabling more accurate monitoring and analysis.

## LIFT AND ESCALATOR ENERGY EFFICIENCY

Amalgamated Lifts Ltd is implementing energy-saving features in its lift and escalator systems. This includes regenerative drives that capture and convert energy during braking, reducing energy consumption. Shaft Ventilation heat can also be captured and reused as a source of power for the lifts. Additionally, Amalgamated Lifts Ltd is optimising system design and implementing energy-efficient components to minimise power usage.

## ENERGY AUDITS

Amalgamated Lifts Ltd conducts regular energy audits to identify areas of energy wastage and inefficiency. These audits help identify opportunities for improvement and guide the implementation of energy-saving measures.

## EMPLOYEE ENGAGEMENT AND TRAINING

Amalgamated Lifts Ltd promotes employee engagement and awareness through energy-saving campaigns and training programs. By educating employees on energy-saving practices and encouraging their active participation, Amalgamated Lifts Ltd aims to foster a culture of energy conservation throughout the organisation.



# AMALGAMATED LIFTS

 01322 556 661

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 [info@al-lifts.co.uk](mailto:info@al-lifts.co.uk)

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 4 Mulberry Court, Bourne Road  
Crayford, Kent, DA1 4BF