

# Digitization of logistics & ECL goes green



In association with



Euro-Cargo-Logistik Kontor GmbH

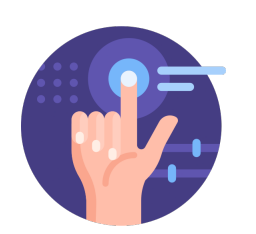
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## Problem Statement

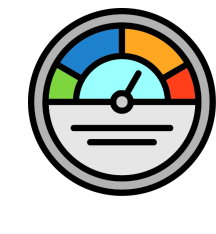
The logistics company faces the dual challenge of meeting customer demands for enhanced competitiveness while simultaneously promoting sustainability. The need to establish an environmentally friendly and innovative position in the industry poses the challenge of reducing CO<sub>2</sub> emissions and introducing new offerings to drive sustainability awareness among customers.

### Tasks

### Facts and Findings



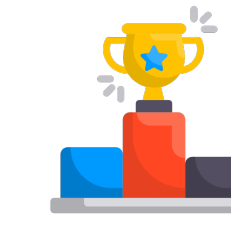
Digitization of Workflows



Key Performance Indicator



Customer Demands



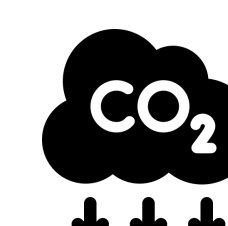
Competitive Landscape



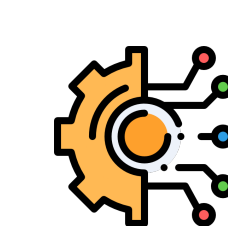
Review and Refinement



Sustainability Promotion



CO<sub>2</sub> Emission Concerns



Digital Transformation

## Proposed Solution

1

### Pain Point

Processes are not fully digitized leading to higher workload for customers and inefficient use of resources

### Solution

Implement digital transformation initiatives; Automate repetitive tasks; Integrate AI & ML for predictive analytics

### Monitor and Report Progress

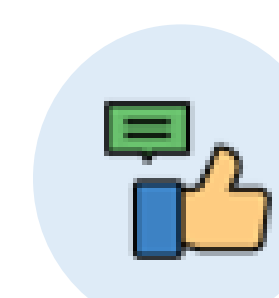


### Benefits



Operational Efficiency:  
• Streamlined supply chain processes and real-time tracking lead to improved efficiency and reduced operational costs.

### Costs



Technology Investment:  
• Deploy advanced technologies like IoT, RFID, and GPS for real-time tracking and improved supply chain visibility.

2

### Pain Point

Lack of quantified KPIs leading to low environmental awareness among customers

### Solution

Develop & integrate eco-friendly practices; Educate customers on sustainability; Monitor & report environmental KPIs regularly

### Customer Feedback

#### Customer Feedback Loop

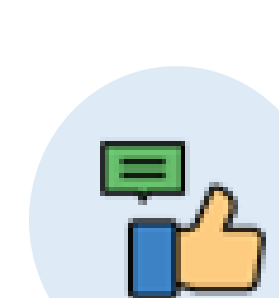


### Benefits



Cost Savings:  
• Automation and optimization measures result in reduced labour costs and enhanced resource utilization.

### Costs



Automation and Robotics:  
• Implement warehouse automation with robotic systems and explore autonomous vehicles for streamlined operations.

3

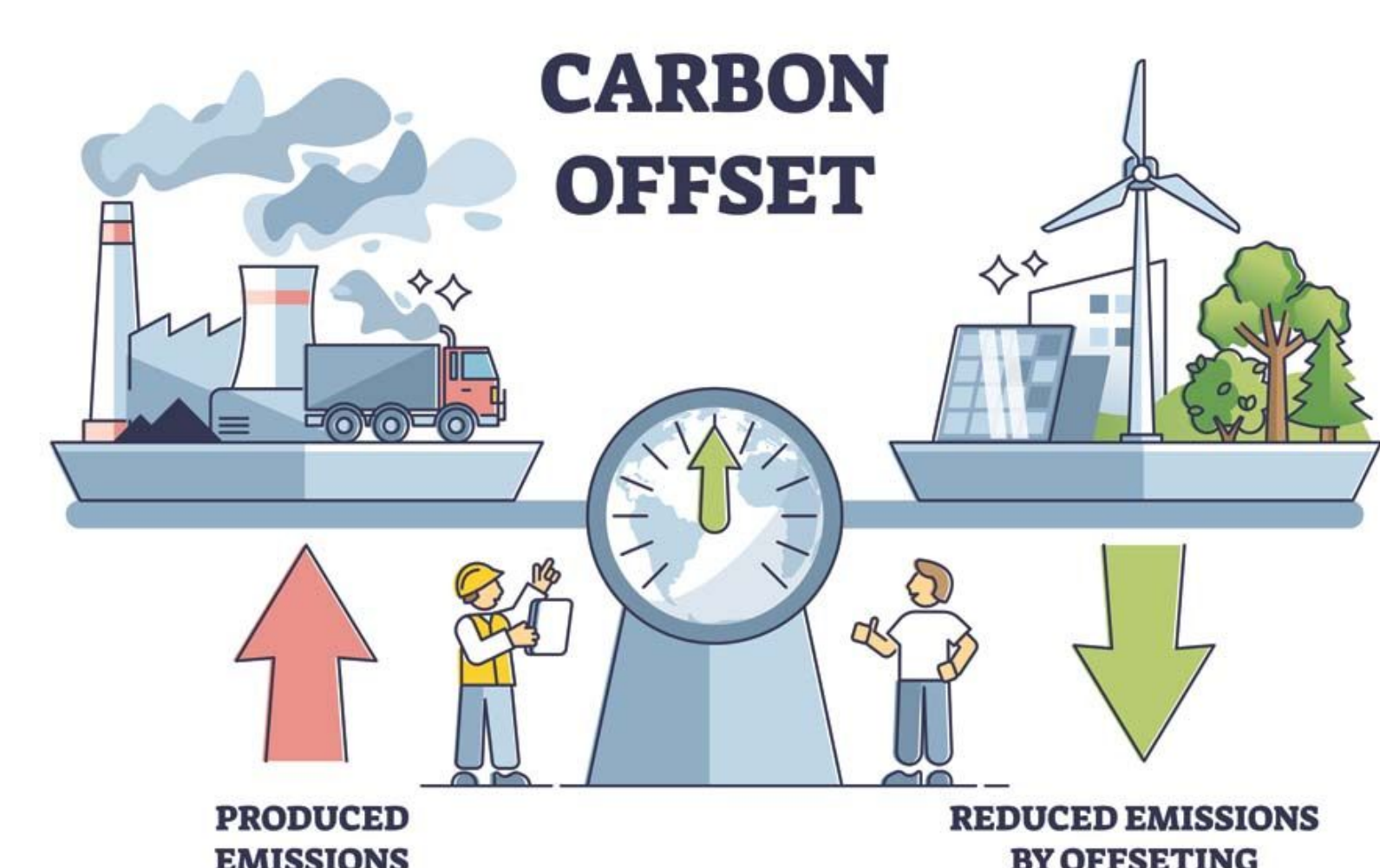
### Pain Point

Emission of carbon dioxide into the atmosphere from vehicles used for long-distance deliveries

### Solution

Compensating for carbon dioxide emissions generated from various activities by investing in projects that reduce or remove an equivalent amount of carbon dioxide from the atmosphere

### Carbon Offset System



### Benefits



Sustainability Gains:  
• Adoption of renewable energy and eco-friendly practices aligns with environmental goals, enhancing corporate responsibility.

### Costs

Sustainable Infrastructure:  
• Invest in renewable energy sources and construct energy-efficient buildings to minimize environmental impact.

<https://www.investopedia.com/best-carbon-offset-programs-5114611>  
<https://mitsloan.mit.edu/ideas-made-to-matter/how-to-choose-carbon-offsets-actually-cut-emissions>  
<https://unfccc.int/climate-action/united-nations-carbon-offset-platform>