

REBUILT

REENGINEERING BUSINESS UNDER CLIMATE CRISIS

Action Plan Implementation

COMPANY NAME AND WEBSITE:

GREEN ENERGY GROUP

[HTTPS://GREENENERGY.COM.CY/](https://greenenergy.com.cy/)

COMPANY DESCRIPTION:

Green Energy Group offers integrated energy-saving solutions in Cyprus. Registered and approved by the Cyprus Energy Regulatory Authority (CERA) as an Electricity Supply Company since 2019 while having also participated in the Transitional Period of the Competitive Electricity Market since October 2022. Every day a large group of skilled and exceptional professionals in their field share the same common vision for a green future and greatly contribute to the Group's success. Working in a spirit of teamwork and collegiality, they keep the vision alive and build the conditions for its realization with careful steps. They enhance the quality of life of the citizens of Cyprus and invest for society as a whole.

COMPANY'S CURRENT SITUATION (PROBLEMS):

Despite providing energy-saving solutions throughout Cyprus, the Green Energy group has yet to implement energy-efficient technologies in their own offices. Additionally, their use of vehicles emitting high levels of pollutants during daily client visits contributes to substantial fuel consumption. Moreover, the organization frequently conducts meetings and activities in external venues such as restaurants and coffee shops. Despite these practices, the Green Energy Group is actively engaged in various environmental activities and campaigns.

PROCESSES THAT HAVE BEEN DISCUSSED TO BE REENGINEERING:

During the three meetings, the following process have been discussed for reengineering:

- To adopt energy efficiency practices
- To adopt transportation practices, during the daily activities, visiting clients
- To reduce their business flights if it is possible and where it is needed.
- To reduce their meetings in restaurants and coffee shops.
- To encourage employees to bring their own home meals.
- To reduce general waste
- To monitor their emissions using the tools provided through the action plan.

PROCESS THAT WILL BE REENGINEERED

- To adopt energy efficiency practices
- To adopt transportation practices
- To reduce outside meetings in restaurants and coffee shops
- Reduce general waste

ACTIONS TO BE TAKEN FOR THE REENGINEERING OF THE PROCESS:

1. Transitioning to LED lighting for all fixtures. They ll turn off all the appliances and sockets. The company plans to relocate to its own office building by 2025, where they will install photovoltaic panels on the roof. This shift ensures that the electricity required for daily activities will be sourced from renewable energy.
2. Promoting carpooling for client visits: The company aims to facilitate carpooling among employees who travel to nearby client locations, aiming to minimize the daily reliance on individual cars and reduce the environmental impact.
3. Initiative composting process

MONITORING

During the relatively brief monitoring period since the end of January 2024, the Green Energy Group has experienced significant achievements. These successes encompass the successful adoption of LED lighting, the introduction of carpooling practices, and a notable increase in employees bringing homemade meals—five out of eleven individuals who were previously not participating in this practice. Furthermore, the company following the composting process they notice that their waste reduced by 30%

RESULTS OF THE IMPLEMENTATION

After one month of implementing the plan, a substantial reduction was observed, as indicated by the analysis below:

Initial:



- Scope 1: 38.6 tons of CO₂e, Scope 2: 19.8 tons of CO₂e, Scope 3: 103 tons of CO₂e

After Implementation:

- Scope 1: 28.6 tons of CO₂e, Scope 2: 16.1 tons of CO₂e, Scope 3: 82.8 tons of CO₂e

FURTHER RECOMMENDATIONS

1. Consider minimizing water consumption during office working days to contribute to overall reduction efforts.
2. Implement continuous monitoring of emissions across all sectors for ongoing environmental awareness.
3. If applicable, adopt green building practices to increase energy efficiency and reduce the environmental impact of the company's physical infrastructure.
4. To reduce plastic packages
5. To promote employees to bring homemade meals: Encouraging staff to bring meals from home fosters a sustainable approach to dining within the workplace.