rotorprint®

Flexible solutions for your packaging

REDUCTION TARGETS OF GREENHOUSE GAS (GHG) EMISSION

Carbon Footprint RotorPrint

1.Introduction

The Carbon Footprint is the total amount of greenhouse gas (GHG) emissions generated by the organisation's activity. It is measured in CO2 equivalent.

Based on the results of Rotor Print's corporate Carbon Footprint Report for the year 2023, we set targets in order to progress towards GHG reduction and mitigation over the coming years.

GHG emissions are classified into Scope 1 emissions, Scope 2 emissions and Scope 3 emissions.

Scope 1 emissions correspond to direct emissions controlled by the company, that come from the consumption of fuels for the use of machinery, own fleet vehicles and forklifts, among others.

Scope 2 emissions refer to indirect emissions, not controlled by the company, produced by purchased or acquired energy from electricity, steam, heating and cooling.

Finally, Scope 3 emissions are the remaining indirect emissions that come from the purchase of raw materials and products, transport, the final life cycle of the products manufactured at Rotor Print and the company's waste management.

2. GHG Scope 1

2.1. Target 1: More efficient machinery

Acquisition of new machinery and refurbishment of the machinery owned by Rotor Print. This allows for greater energy efficiency while reducing material waste, improving efficiency in each of the production processes.

Progress towards the target

We have invested in a new rotogravure printer that allows us to manufacture with greater precision and speed, thus minimizing waste and energy consumption due to the reduced production time. An audit will be conducted on the rotogravure printer owned by Rotor to assess its actual wear and enable its refurbishment and modernization.

3. GHG Scope 2

3.1. Target 2: Transition to a 100% renewable energy model

Commit to purchasing green energy from renewable sources.
Improve the energy efficiency of the facilities through proper insulation and preventive maintenance...

Progress towards the target

The technical department, together with the financial department, assesses the possibility of purchasing green energy. Once approved by our CEO, we start to negotiate with the company Enerjoin the acquisition of guarantees of origin. Guarantees of origin are certificates issued by the CNMC (Comisión Nacional de los Mercados y la Competencia) that accredit the production of energy from renewable sources.

With this option of buying electricity directly from the market, we could achieve 100% renewable energy consumption. It is estimated for this 2025 or next year 2026.

We replaced conventional light bulbs with LED bulbs that consume less energy and are less polluting than traditional bulbs.

We improved the thermal insulation of the factory by installing a false ceiling of alumisol with rock wool.

4. GHG Scope 3

4.1. Target 3: Improve supply chain sustainability

Develop an action plan to evaluate and select suppliers that integrate sustainability into their value chain, thus offering materials and services with a lower environmental impact.

Progress towards the target

We started evaluating our suppliers not only based on economic and delivery compliance criteria but also on sustainability and ethical criteria.
We have created a Supplier Code of Conduct and a CSR (Corporate Social Responsibility) Questionnaire for Suppliers. We request environmental and social certifications, ask if they measure their corporate Carbon Footprint, etc.

4.2. Target 4: Development of recyclable structures and eco-design of products

Eco-design our products, prioritizing the use of a single material (mono-material) to facilitate recycling and reduce the end-of-life carbon footprint of the product.

Progress towards the target

We are reducing the weight of our materials by offering lighter structures and plan to continue decreasing thickness for greater efficiency.

We acquire polymers with a percentage of recycled material, which we use for the outer layers that do not come into direct contact with the product, thus complying with current regulations on plastics in contact with food products.

We develop structures composed of a single material, thus facilitating their recycling by having the same melting point. These structures are based on polyofelins such as polyethylene and polypropylene.

4.3. Target 5: Encouraging the use of Post-Consumer Recycled (PCR) Material

As far as possible for each product, the R&D and Innovation, technical and quality departments are always looking to develop new structures that incorporate recycled content. In this way, the environmental impact of our products will be much lower.

Progress towards the target

We are requiring our suppliers to have the ISCC Plus certificate, which verifies the origin of raw materials from recycled sources.
Once we have a large percentage of suppliers with this certification, the aim is to be able to obtain the ISCC Plus certificate ourselves as a company.

4.4. Target 6 : Define a Zero Waste Policy

Reduce the amount of waste generated and optimise its recovery. In other words, reduce the fraction of banal waste and convert it into Refuise-Derived Fuel (RDF).

Progress towards the target

We have a Waste Management Policy, which applies to both RotorPrint 1 and RotorPrint 2.
All waste is labeled according to its type: general waste, special waste (hazardous and/or polluting), or reusable waste. Depends on the plant (Rotor 1 and Rotor 2), it is stored in a specific place and in a specific way until it is collected, always separated from the rest of the products and materials.

We have a contract with a waste management company, EcoCover, S.L., with which we aim to achieve Zero Waste and maximum circularity in all waste fractions. The company managing the service is Saica Natur, S.L.

In the two warehouses we have a compactor which is collected and replaced with a new one once a week. Here we deposit all kinds of material from production (waste, defective material, reel sanitation...). Also, a truck comes to collect RDF waste that cannot be sent to the compactor.

We have a contract with the company SCHUTZ IBÉRICA, S.L. for the recycling and reconditioning of IBC containers for inks, adhesives and solvents.

For the treatment of contaminated rags and water with inks, we have the company SAFETY KLEEN ESPAÑA, S.A. for the safe management of this type of waste in Rotor 1 and FERPA GRAPHIC, S.L. in Rotor 2.

Finally, we have several suppliers to manage waste wooden pallets.

With these companies we achieve a circular economy and help to reduce CO2 because all of them have ISO 14001 certificate, which is in line with our company's targets to achieve this environmental certification in the future.

5. Expected GHG reduction

TOTAL SCOPE 1 TONS OF CO_2 BY 2023: 770.23 (3.9% of the total Carbon Footprint).
EXPECTED PERCENTAGE REDUCTION FOR THE YEAR 2030: - 2%.

TOTAL SCOPE 2 TONS OF CO_2 BY 2023: 635.66 (3.2% of the total Carbon Footprint).
EXPECTED PERCENTAGE REDUCTION FOR THE YEAR 2030: - 2%.

TOTAL SCOPE 3 TONS OF CO_2 BY 2023: 18,458.37 (92.9% of the total Carbon Footprint).
EXPECTED PERCENTAGE REDUCTION FOR THE YEAR 2030: - 10%.