

A large, semi-transparent teal number '4' is centered in the upper half of the image. The background is a photograph of a forest with tall, thin trees and a ground covered in green moss and fallen branches. Sunlight filters through the trees, creating a warm, golden glow. The overall composition is clean and modern, with a strong focus on the number '4'.

**OUR
ENVIRONMENTAL
PERFORMANCE**



Tools for environmental management

Isdefe has an Environmental Policy and a certified Environmental Management System (EMS) in place, which promotes the efficient use of natural resources, the active prevention of pollution and the management of waste generated through our activity which is respectful of the environment.

Our Environmental Policy is focused on achieving the following objectives:

- Comply with the environmental legislation applicable to our activities, as well as with those environmental commitments undertaken with our customers.
- Identify and evaluate the environmental factors affected by our activities in order to prevent negative impacts on the environment.
- Manage the waste generated through the appropriate reuse, separation and recycling.
- Promote energy efficiency, making rational use of available resources.
- Raise environmental awareness among all employees by promoting good environmental practices in the workplace.
- Establish a process of continuous improvement for our environmental behaviour through the periodic review of our EMS and the established environmental objectives and goals.
- Promote and disseminate this policy among Isdefe employees, collaborators, subcontractors and suppliers and make it available to interested parties.

Compliance with standards

Isdefe complies with environmental laws and regulations and has not received any fine nor been investigated in this matter during this last year.





Waste management

At Isdefe we follow a waste separation at source policy, using specific containers for each type of waste.

In our headquarters we have a general waste collection point which offers data on the correct separation of waste, the quantity generated, its correct labelling, as well as its adequate transport for subsequent treatment by an authorised manager.



Hazardous waste	2020*	2019*
Fluorescent tubes	42	80
Contaminated packaging	11	40
Sharp and cutting objects	19	24
Oil filters	9	18
Thermal oil	42	3
Contaminated absorb.	0	0
Aerosol sprays	7	0
Accumulators**	2,332	0

Non-hazardous waste	2020*	2019*
Organic	4,863	11,080
Paper	4,037	7,206
Cardboard	2,198	2,548
WEEE	2,365	1,515
Plastic	737	882
Glass	220	405
Scrap	68	353
Plastic cups	0	294
Biodegradable cups	331	281
Wood	167	83
Batteries	0	80
Hygiene products	71	55
CD/DVD/Hard drives	39	30
Toner	68	29
Air filters	170	18

**The increase in accumulator waste in 2020 was due to the replacement of lead batteries from the Uninterruptible power supply (UPS); and the increase in waste electrical and electronic equipment (WEEE) was thanks to a campaign of replacing staff computers and the removal of outdated and/or discontinued equipment.

*. Data in kg



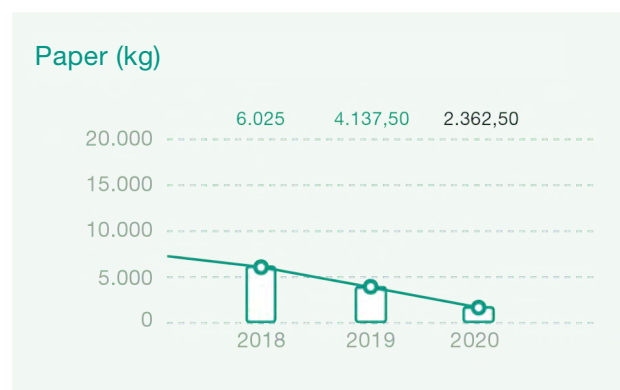
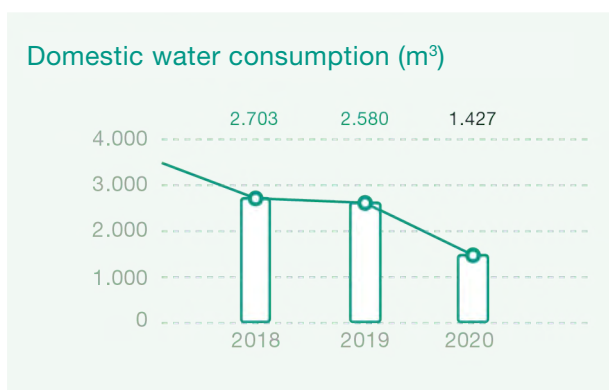
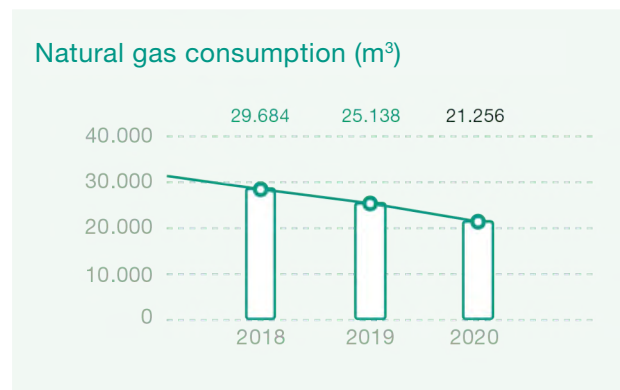
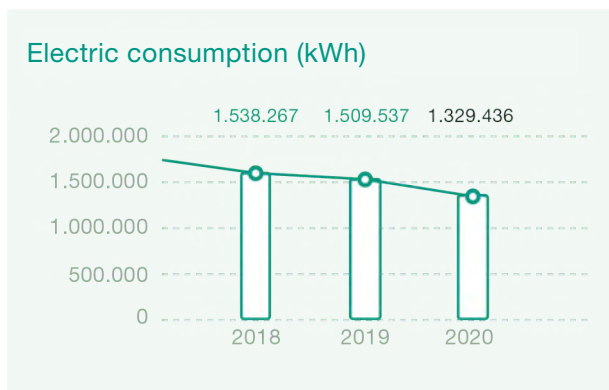
Sustainable use of resources: water, raw materials, energy

In line with our Environmental Policy and the objectives set for the year in our EMS, we aim to make responsible use and minimise the consumption of natural resources (electricity, gas, water, paper). We evaluate this by controlling and analysing the performance and functionality of the equipment and facilities that require these resources, optimizing them and prioritizing those that come from renewable sources.

In 2020 we managed to reduce both our energy bill and our water and paper consumption, due to various factors:

- **COVID-19.**
- **The Declaration of the State of Alarm.**
- **Remote working for employees who usually work at the Beatriz de Bobadilla 3 (BdB3) headquarters.**
- **Continuous energy performance analysis and control policies.**

The evolution in Isdefe's consumption of resources during the last three years shows a downward trend, as a result of our policies of analysing and controlling performance, as well as the functionality of equipment and facilities that require electricity, gas, water and paper resources, and the optimisation of consumption, prioritising those that come from renewable sources.





In 2020, Isdefe carried out the study of the energy rating index of the BdB3 building based on real energy consumption and demand data obtained during the year.

The purpose of this audit was to understand the current operation of the building to promote actions aimed at improving the energy efficiency of the organisation and energy savings that allow it to contribute to the objectives of the European Union.

In this regard, a review of the procedures, stocks and equipment, as well as the energy consumption recorded in 2018 and 2019, was carried out so the established baselines, ratios and KPIs could be compared, in order to analyse their evolution and compliance with the overall and specific energy saving and CO₂ emissions targets.



Environmental objectives and performance in 2020

On 11 March 2020, the World Health Organisation raised the public health emergency caused by COVID-19 to the level of global pandemic.

From March onwards, the building and its facilities were severely impacted by the lockdown measures applied during the first stage of the pandemic (at the national level) and, subsequently, by the work restrictions and recommendations implemented by Isdefe's management in order to prevent the possible spread of the virus within the organisation (promoting teleworking). Factors which influenced to a greater or lesser extent each of the aspects analysed in the organisation's environmental performance.

Taking these conditions into account, Isdefe has continued with its measures to continuously improve its environmental performance, making better use of raw materials, improving energy efficiency and increasing the use of renewable energies.



Environmental objectives

Objective 1: Installation, certification and launch of the charging stations for light vehicles and motorcycles at the headquarters on Beatriz de Bobadilla 3 (BdB3). (Objective already set in 2019 which continued in 2020).



Results obtained

The following actions were carried out to achieve the proposed objective:

1. Tender for the refurbishment work and maintenance service for electric vehicle charging infrastructures in the BdB3 garage (Dossier no. 2019-01519). Proposing a minimum of 6 charging stations for light vehicles and 2 stations for motorcycles.
2. Presentation of the tender dossier in the Community of Madrid so that Isdefe could receive State aid (MOVES Programme) to promote the installation of recharging of electric vehicles.
3. Awarding of the tender for the refurbishment work. The successful bidder's proposal increased by 4 stations the minimum requirements proposed (10 charging stations for light vehicles and 2 stations for motorcycles).
4. Implementation and commissioning of the charging stations, following the requirements identified in the bidding documents. On 31-07-2020 the planned works, tasks and procedures were completed.

In November 2020, the authorisation to use the facility and the publication of the rules of use for employees were officially communicated.



Environmental objectives

Objective 2: Optimisation of the performance of the cooling and air conditioning systems of the BdB3 head quarters to reduce their electricity consumption. Objective to be achieved over two years (2020 and 2021):

- **2020:** study and evaluation of the different proposals made by specialised companies.
- **2021:** implementation of the selected measures that are viable both technically and financially.



Results obtained

Start of the evaluation studies and analysis of proposals by conducting an external energy audit following the criteria of RD 56/2016.

Main implementation measures:

- Replacement of the steam humidification systems of the precision machines in the Data Centre (sub merged electrodes with joule effect), with more efficient technologies.
- Provision of an indirect free-cooling system in the server and UPS area of the Data Centre by installing a supply and return air network independent of the Data Centre's interior air conditioning.
- Installation of speed regulation systems (variable-frequency drives) for the management of the hydraulic pumping groups that serve the secondary plant circuits of the cooled VRF system and independent cooling systems of the Data Centre.

In terms of the multiannual objective, the targets set for 2020 have been met, with the presentation of the energy audit carried out by a third party with an analysis of the measures.

Based on these results and the analysis of proposals, in 2021 the implementation of the selected measures that are viable both technically and financially will be assessed.



Carbon footprint

We calculate our carbon footprint each year so we can quantify our impact on climate change and identify corrective actions to mitigate it. To do this we use the Carbon Footprint Calculator developed by the Ministry for the Ecological Transition and the Demographic Challenge (MITECO). This tool calculates the greenhouse gas (GHG) emissions associated with the organisation's activities considering both direct (Scope 1) and indirect emissions from electricity consumption (Scope 2).



Thanks to the use of 100% renewable energy sources and self-consumption, the emissions that Isdefe ceased to emit into the atmosphere in 2020 accounted for 342,774 kg CO₂/kWh.

The data obtained shows the evident reduction (from 713 tCO₂eq in 2017, 89 tCO₂eq in 2018, 52 tCO₂eq in 2019 to 46.76 tCO₂eq in 2020) achieved by the acquisition of 100% renewable electrical energy since 2018.

In addition to the electricity and natural gas supplies, the building has energy production systems for self-consumption that reduce the need for external energy. All of these factors significantly influence the continuous reduction of the organisation's carbon footprint.

	2017	2018	2019
Permanent facilities	55.0001	64.6816	41.5586
Travel using vehicles	5.0048	3.9149	3.1173
Refrigeration/air conditioning	62.6250	20.8750	2.0880
Scope 1	122.6299	89.4715	46.7639
Scope 2	590.5247	0.0000	0.0000
Total Scope 1 + 2	765.0062	713.1546	46.7639



Isdefe's contribution to the Circular Economy

Isdefe applies measures for the prevention, recycling, reuse and other forms of recovery and disposal of waste as well as actions to combat food waste.

This contribution is based on the following:

Additional assessment criteria in bidding processes for the acquisition of supplies that value those offers that incorporate the environmental advantages of using 100% renewable energy sources.



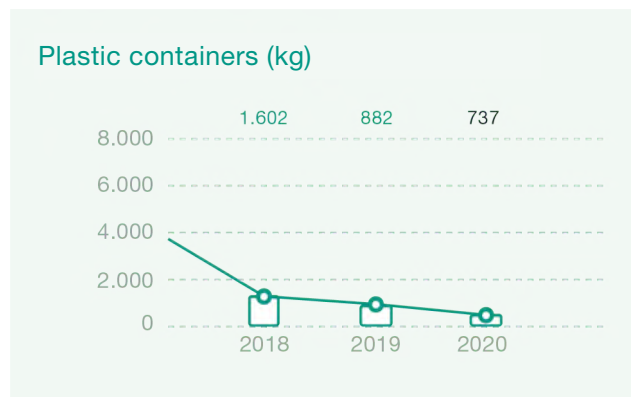
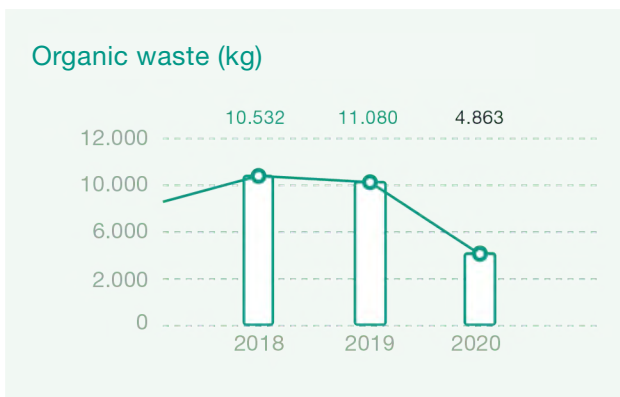
Reduction of paper consumption.

Own energy production using solar panels.

Use of rainwater.

100% of total paper consumption based on hybrid recycled paper.

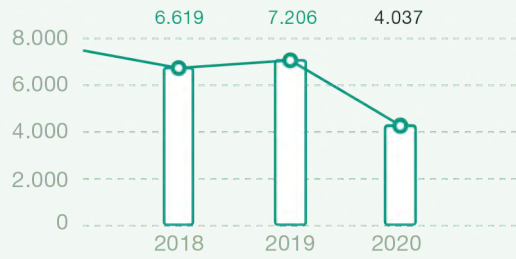
Quantities of waste managed for recovery or recycling



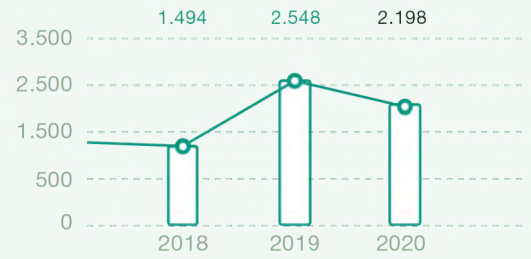


4. OUR ENVIRONMENTAL PERFORMANCE

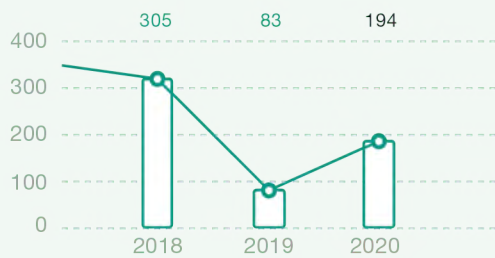
Paper (kg)



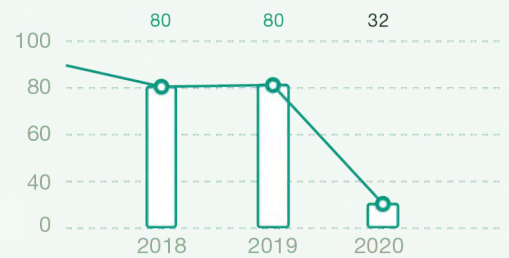
Cardboard (kg)



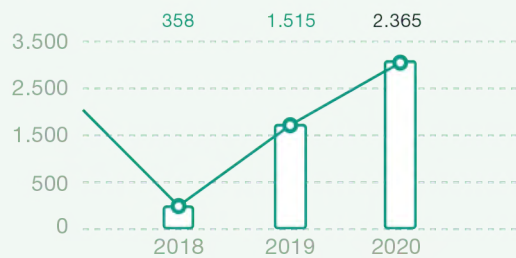
Toner cartridges (units)



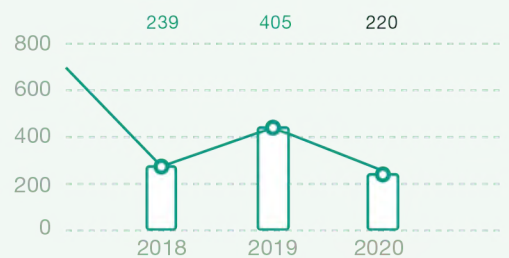
Used batteries (kg)



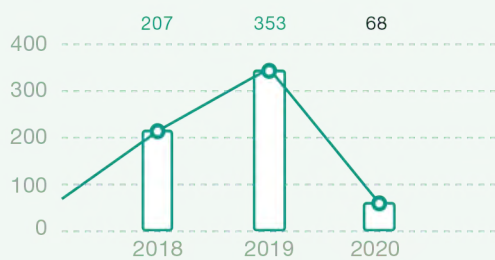
Electrical and electronic equipment (kg)



Glass containers (kg)



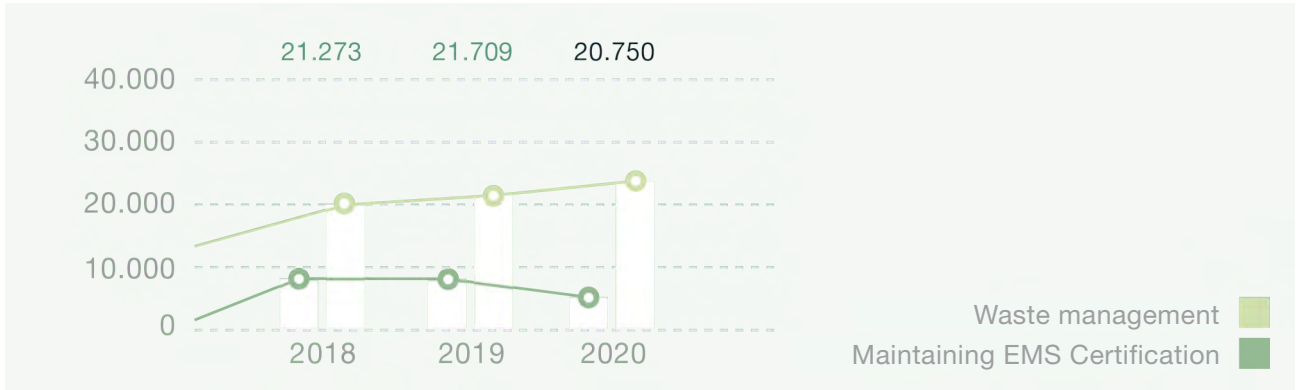
Metals and scrap (kg)



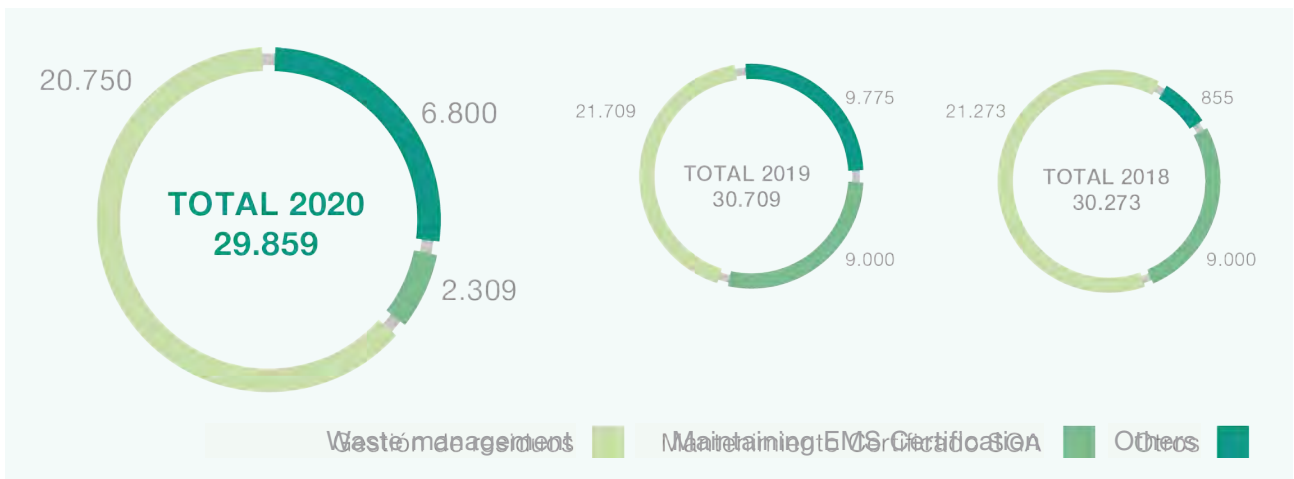


Investment in the environment

In 2020, €20,750 was charged to environmental expenses, with a decrease in the amount spent on waste management.



Resources allocated (€) to managing waste and maintaining EMS Certification





Challenges for 2020

With a view to the coming financial year and in order to continue working actively on the continuous improvement of our environmental performance, we have set the following **Objectives**:

- **Acquisition of tools for calculating Scope 3 of our Carbon Footprint:**

Start recording data and facts during 2021 on the mobility of employees when coming to work and on business trips.

Final objective of complete data for 2022.

- **Replacing the current company's delivery vehicle (combustion engine) with a 100% electric vehicle, plug-in hybrid or non-plug-in hybrid, with the aim of promoting more sustainable mobility, reducing emissions into the atmosphere and mitigating air pollution**

- **Optimising the performance of the cooling and air conditioning systems of the BdB3 headquarters to reduce electricity consumption.** This objective achieved is to be achieved over two years (2020 and 2021):

2021: start of the study on the implementation of viable measures, both technically and financially, to improve the steam humidification system of the precision machines in the Data Centre

