ENVIRONMENTAL STATEMENT

2023

GIRBAU

1. PRESENTATION

Thinking about the future and keeping a constant line of improvement, GIRBAU commits to achieve, through ethical and responsible behaviour, a series of environmental goals aimed at the conservation and maintenance of natural resources, the permanent improvement of health and safety at work, and the prevention of nuisances and disturbances to residents in the surrounding area.

We understand that **Quality Management ensures our customers quality and homogeneity** in the products we manufacture, as well as high production efficiency.

Industrial safety, work conditions and permanent training **ensure that our employees work in satisfactory conditions.**

Moreover, **an Environmental management system ensures** that our products have been manufactured **optimizing natural resources** and in compliance with all environmental regulations and laws.

The environmental management of our company translates into a commitment to continuous improvement of our environmental performance and it materializes with the implementation of an Environmental Management System, which includes the performance of periodic assessments and audits to verify, document and continually improve its operation.

Our idea of quality does not limit itself to the manufacturing of a good product, a good service and the searching for our customers' satisfaction. We wish to go further on and we are also concerned about environmental impact.

For this reason, we understand that this Environmental Management System is our small contribution to leave a better world than the one we found.

Pere Girbau

General Manager of Girbau, S.A.

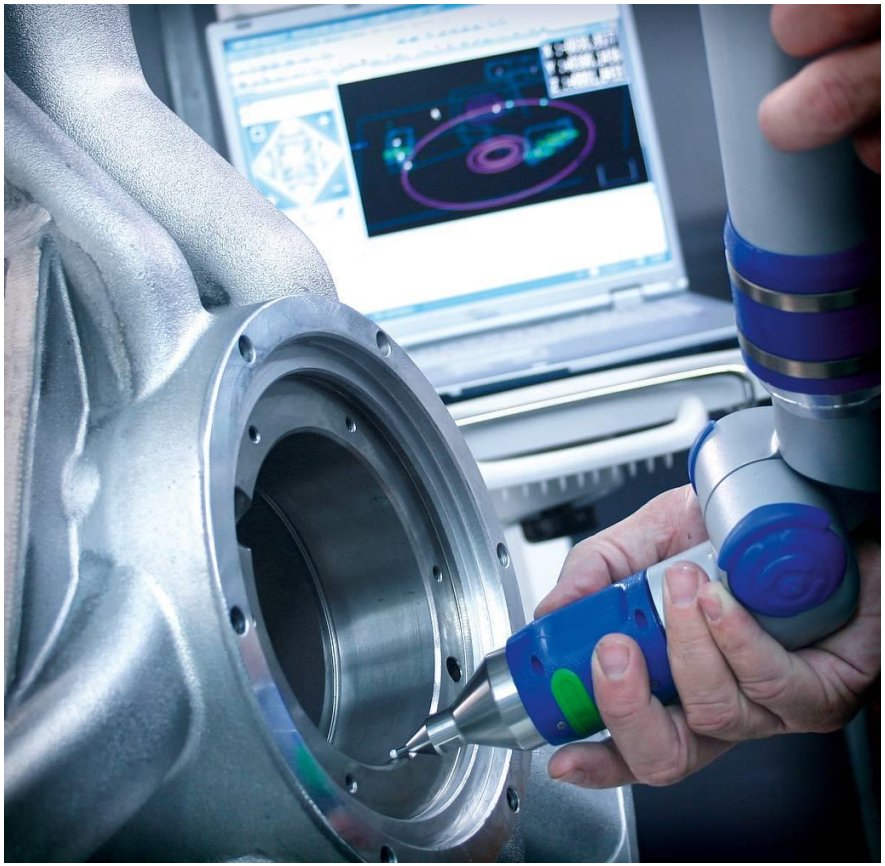
CERTIFICATIONS

At GIRBAU, we understand that certifications are a starting point for the constant improvement of our products.

The present environmental statement is intended to show all the efforts made by GIRBAU to improve its competitiveness and productivity while preserving the environment.

GIRBAU goes beyond the requirements of the regulations and spares no efforts to contribute to a better environment.

In this respect GIRBAU holds certifications ISO 9001:2015, ISO 14001:2015 and Regulation (CE) 1221/2009 of the European Parliament and of the Council of 25 November 2009-EMAS – EMAS, modified in accordance with the EU Regulation 2017/1505 and the EU Regulation 2018/2026.



RELATIONSHIP WITH RELATED ORGANISATIONS

GIRBAU has relationships with several organisations that can affect the environment, and noteworthy in this regard is the participation with European working groups CENELEC and ETCT, which are working on the draft version of the Eco-friendly energy label regulation.

Also of note is the collaboration with chemical product companies to provide turnkey "wet cleaning" laundries, which represent an alternative to dry cleaning laundries that are highly-polluting due to the use of chlorinated solvents among others.

Also noteworthy has been Girbau Lab’s drive to promote several projects with the collaboration of technology centres and universities in order to improve the circularity of laundries.

THE PREMISES

GIRBAU is a company located in the municipality of Vic, about 50 Km away from of Barcelona, specializing in the manufacture and sale of laundry equipment and textile finishing. It can produce installations of any type and size and is one of the world's leading manufacturers.

Since the company was started, GIRBAU has been working to guarantee its customers complete satisfaction while providing maximum quality.

To achieve this, the company set up a quality system that has been ISO 9001 certified since 1994.

Currently, on the premise that the concept of quality also includes environmental quality, the company operates an environmental management system that is certified under ISO 14001.

The rules and procedures of this system guarantee that the company's products are designed and manufactured in an environmentally friendly way.

G1 Factory

GIRBAU has the following two production centres in Vic:

GIRBAU S.A.	**GIRBAU 1 Factory (G1)**	**GIRBAU 2 Factory (G2)**
Location	Ctra. Manlleu, Km. 1 08500 Vic (Barcelona)	Polígon Ind. Malloles. C.Pruit 08500 Vic (Barcelona)
Contact Details	Tel. 93 886 11 00 Fax 93 886 07 85 E-mail: girbau@girbau.es	Tel. 93 886 64 00 Fax. 93 889 29 86 E-mail: girbau@girbau.es
Type of products manufactured and NACE	Machinery for laundries NACE: 2894	Machinery for OPL and industrial laundries NACE: 2894
Land use in relation to biodiversity[1]	Constructed and paved floor space: 21,000 m^2 Total land use: 21,000 m^2 Total paved floor space: 21,000 m^2	Constructed and paved floor space: 13,600 m^2 Total land use: 13,600 m^2 Total paved floor space: 13,600 m^2

In order to reaffirm our commitment to the environment, we have decided to adhere to the European Union Regulation No. 1221/2009 of the European Parliament and of the Council of 25 November 2009, which enables voluntary participation by organisations in a European Union eco-management and audit scheme (EMAS III). Modified in accordance with the EU Regulation 2017/1505 and 2018/2026.

This Regulation sets out three main courses of action:

- Control of environmental aspects resulting from our activity.
- Continuous reduction of such impact. Setting of goals and actions for its achievement, periodically controlling the results by means of environmental audits.
- Keeping the public informed of its actions.

[1] Data related to land use with respect to biodiversity have not changed over the last three years.

Through this Environmental Statement, GIRBAU, S.A. wishes to show the work done and the objectives set to continuously improve its activity with regard to environmental conservation in a clear and understandable way.

ORIGINS AND PRESENT SITUATION

GIRBAU was set up as a public limited company on 31 December 1971, as a continuation of the activities of Mr Joan Girbau i Vilageliu. It is a family company that started with an initial share capital of 13,500,000 Spanish Pesetas.

GIRBAU, S.A. has 463 employees, working in the following departments: Research, Product Development, Mechanical, Electrical and Electronic Production, Laundry Project Office, Personnel Training, Commercial Office and Technical Support Services.

In 2023, GIRBAU, S.A.'s turnover was 126.9 million euros, of which more than a 70% came from exports. Its main markets include: United States, United Kingdom, France, Brazil, Malaysia, Portugal, Mexico and Australia.

GIRBAU products have various certifications that guarantee compliance with the strictest regulations at a European Community and world level, such as EC, WRAS, Applus +.

In order to control the overall quality of all our products, it is not enough to only have product and business certifications. We need to be sure that all the components in our products are reliable and of good quality. We therefore demand that our products have these certifications: CSA, UL and VDE.

G2 Factory

CHRONOLOGY OF ACTIONS FOR PROTECTION OF THE ENVIRONMENT

1988-2000

- Regular waste controls began.
- Measurement of atmospheric emissions began.
- Waste water controls began.
- The use of trichloroethylene is replaced with other aqueous products. This was applied to 80% of the production process for surface treatment.
- Since part of the G1 factory was being expanded, trees surrounding the car park area were transplanted to a city park in Vic. The operation was neither easy nor cheap, but it was an environmental success: all trees survived the transplanting process.
- Aqueous waste was eliminated from the paint booths, replacing the water curtain booths with dry filter ones.

2000-2010

- Chlorine derivatives were no longer used in the company's production processes.
- UN-EN-ISO-14001 certification was obtained.
- Reduction in testing time for each machine. This meant a saving of 25% in electrical power in the quality control department of G1 factory.
- Four destratifiers were fitted, and skylight openings were covered. This represents a saving of 30% of the energy required to heat one plant in the G2 factory.
- Existing fluorescent lighting was replaced by triphosphor fluorescents (recyclable and not classed as special waste) and magnetic reactances were replaced with electronic ones (their tube lasts 3 times longer).
- A tank was constructed with a capacity of 100 m3 to recover 85% of water from the quality control department of the G2 factory.
- In February 2004, Girbau received confirmation of its registration in the EC's Eco Management and Audit Scheme (EMAS).
- A closed circuit water cooler was purchased and installed for a point soldering machine. This implies an annual saving of 603,000 l. of water.
- Four skylights were opened in the manual painting section with the aim of improving working conditions and saving power.
- The Factory 1 Contaminated Soil Statement was presented as stipulated in R.D.9-2005. The building work underway for the flatwork ironers laboratory provided the opportunity to check that the soil was not contaminated in that area (this work is being carried out in the old machine plant, where there was more likelihood of subsoil contamination, as large quantities of oil and lubricant were used).
- An ongoing process of computerising the distribution system for job orders and plans.
- A significant saving in water (600,000 l/year) was achieved in the soldering section by purchasing a second closed circuit water cooler for another point soldering machine.
- Reduction in atmospheric emissions of paint powder particles during the manual painting process, thanks to the purchase and installation of a more efficient filter for paint powder particles.
- Water savings during the series 6 tests with the construction, in Factory 2, of a washer checking space with two different drains: one for recovering the water used in the tests and another for evacuating the water. This represents a saving of 80%, with only 20% waste water.
- Study for the installation of photovoltaic panels: the installation of a number of solar panels on the roof of the warehouse, as part of the extension work on the building.

- Tests begin to find ways of avoiding the atmospheric emission of VOCs (volatile organic compounds).
- In the painting section tests begin to find ways of eliminating the use of primer type paint with solvents.

2010-2019

- The installation of collective printers with double feeders, one for clean sheets and the other for the reuse of the blank side of used sheets of paper.
- In the paint section, we continue testing new products to try and reduce phosphates in the washing process and eliminate VOCs during the primer processes.
- Lighting tests with LED-type tubes.
- Energy efficiency improvements in the batch washer and washing machines.
- Implementing the 400v transformer at Girbau 1.
- Refurbishing the facades with insulation for better energy management.
- The manual for the machines is provided on a USB stick rather than in paper form.
- Progressive replacement of fluorescent tubes by LED type lighting.
- Incorporation of optical laser cutting machinery with high efficiency.
- Installation of photovoltaic solar panels on the roof of G1: pre-study and trial phase.
- Training GIRBAU users at the Girbau Experience Centre.
- Starting up of the first phase of the installation of solar panels in G1 with 99 kWp of power.
- Reduction of the total consumption of solvent by 8%
- Study to reduce by 10% the weight of the packaging of Series 6 washing machines.

2020

- Reduction of the weight of the packaging of Series 6 washing machines by 50%.

2021

- Calculating carbon footprint for 2020.
- Improved insulation of main plants. Replacement of the roof.

2022

- Consolidation of the methodology for calculating of carbon footprint.
- Calculating carbon footprint for 2021.
- Study for the installation of stratifiers in the main plants of G1 to improve thermal comfort by reducing consumption.

2023

- Calculating carbon footprint for 2022.
- Implementation of the third phase of the photovoltaic installation to G1 adding 600 panels of 410 kWp of power each.
- Installation of stratifiers in G1 main plants to improve thermal comfort and reduce consumption.
- Installation of a new paint tunnel of the latest generation: Solvent removal and reduction of paint waste.

2. COMPANY ACTIVITY

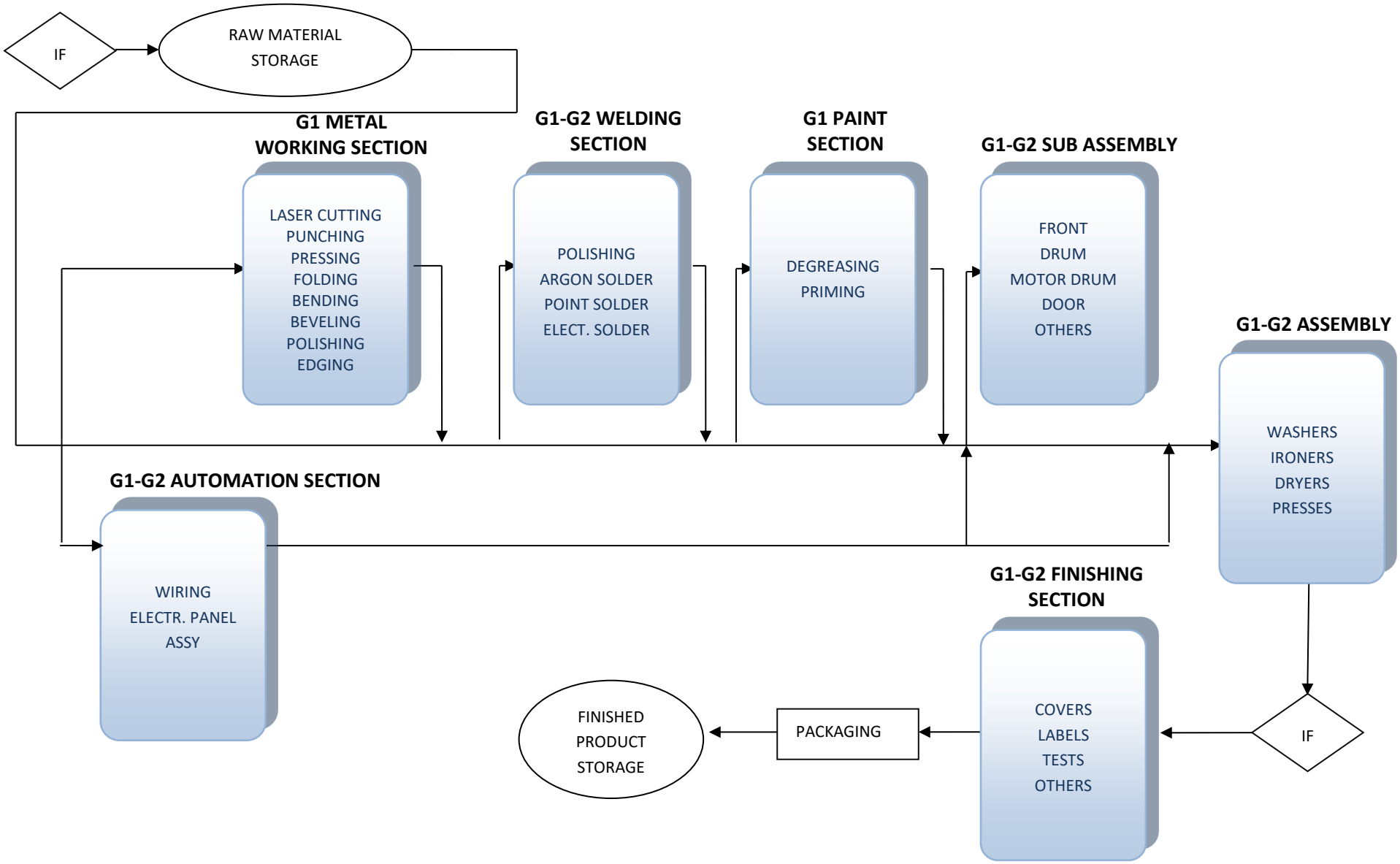
Our company specializes in the manufacturing and marketing of industrial laundry equipment.

All GIRBAU products are manufactured in adherence to the principles of respect for the Environment.

Therefore, already in the phase of new product design, the engineering department of GIRBAU follows the procedure established in the Environmental Management System, by which different measures are to be taken into account in order to minimize the negative effects on the environment.

Factors to be taken into account during the phase of GIRBAU product design	Environmental improvements achieved
Equipment that guarantees optimization of natural resources.	Energy and water saving
Noiseless machines	Less acoustic pollution
Reduction of the weight of machines	Raw materials savings
Use of durable materials	Materials last longer, therefore consumption of new materials is prevented
Use of recyclable materials	Materials can be recovered
Use of as little packaging as possible	Reduction of the weight of machine packaging

MANUFACTURING DIAGRAM



MAIN PRODUCTS MANUFACTURED BY GIRBAU

Washers

With a great range of washing machines that incorporate the latest technological advances and countless benefits, GIRBAU seeks efficiency in the consumption of natural resources.

Genius Series Washers

Genius washers offer exceptional robustness and durability for years of constant use; BLE and IoT (Internet of things) connectivity for faster programming, simplified laundry management and remote software update. Achieving faster acceleration for extraordinary productivity and unparalleled performance. An advanced ergonomics, with large door opening and an extra large, water-resistant screen.

Washers - Genius Series

Free-standing Washers

The *MDS* - Multi-Directional Springs - system enables spinning speeds of over 250G with silent and highly stable operation. The system absorbs up to 95% of vibrations and considerably lengthens the life of the shock absorbers.

Free-standing Washers – HS Series

Hard-Mount Washer-Extractors

These machines require bolting down and reach spin speeds of up to 700 rpm. They are robust, reliable and versatile, offering optimum features and achieving maximum productivity and performance.

Hard-mount Washers – HS Series

Tumble dryers

The range of Ecodryer dryers incorporate the Transflow system which aids the penetration of the hot air into the linen articles while taking advantage of the temperature to the maximum, in addition to having the door with double glazing and a double panel, Heat Capture Technology, ensuring a better use of energy and at the same time increasing the performance of some of the more expensive laundry processes.

In addition to lengthening the life of the linen thanks to the Care Touch Drum system, which is based on inlaying the holes to prevent the linen from coming into contact with sharp edges.

Ecodryer dryers – ED Series

PB flatwork ironer

Wall-type ironers

The PB/PBP wall-type ironers combine productivity, ergonomics and safety, and provide the best ironing quality and profitability.

Girbau's exclusive kinematic strap tensioning system maintains a uniform ironing cylinder pressure, thereby achieving an exceptional finish for the item.

They incorporate the Autospeed system that automatically adjusts the ironing speed depending on the type of fabric and its degree of moisture.

PBP models incorporate a photocell system at the linen input and output that calculates the total length of the article and allows completely automatic folding.

Industrial laundry: Batch washing system

A system made up of a tunnel washer, extraction press and dryer

The tunnel washer is a completely versatile installation with features that guarantee a long mechanical life. It has an optimal control that allows full control of the process parameters.

Thanks to the electronic control of the water flow, and the *Drain Intercooler* - which takes advantage of the thermal energy of the water from the drainage to preheat the water in the external network, having the ECO+ option available makes it possible to achieve savings of 80% in water consumption, 70% in energy and 40% in detergents compared to a conventional tunnel.

In the drying phase, the GIRBAU dryer ensures a really reduced energy consumption.

Batch washing system

PC120 flatwork ironer

Industrial laundry: Multi-cylinder flatwork ironers

GIRBAU's flatwork ironers are a guarantee of efficiency, functionality, safety and productivity.

Designed in accordance with the European machinery safety directive for industrial laundries. The pressure elements are certified in accordance with the Asme code and provide a double safety device for hands and a daily self-checking.

Equipped with a large evaporation capacity and a high ironing capacity, they provide a perfect finish.

3. ENVIRONMENTAL POLICY

GIRBAU, devoted to the manufacture of equipment for laundries and textile finishing, a leader in the international market, recognises the protection of the environment as a priority and for this reason maintains an environmental management system duly implemented in accordance with Standard ISO 14001 and EMAS, respecting the following commitments:

- To comply with applicable environmental legislation and other voluntary commitments.
- To protect the environment and prevent pollution by making a rational use of resources and managing the atmospheric emissions and waste that are generated properly.
- To incorporate the best available techniques in the design of our products, pursuing the minimum risk of environmental impact in all the activities involved in the machine's life cycle.
- To adapt environmental management to our context, by implementing the necessary processes for the continuous improvement of our environmental performance.
- To train, to raise awareness and to involve all the GIRBAU team in order to develop and apply good environmental practices.
- Permanent assessment of the effects on health and the environment that our products and procedures may cause.
- Collaboration with our suppliers, both those of products and of services, in order to improve their procedures with regard to the environment.
- To inform all interested parties about the risks that our machines and installations can have for health and the environment, as well as about the protection measures adopted and environmental efficiency in their use, maintenance, handling and disposal at the end of their useful life.
- To establish a permanent communication with all staff and stakeholders, spreading these principles and commitments and promoting environmental management at all times as a task involving participation at all levels.

Pere Girbau i Pous

General Manager of GIRBAU, S.A.

Vic, March 26th 2019

4. ENVIRONMENTAL MANAGEMENT SYSTEM

Since 2000, GIRBAU has been establishing an Environmental Management System (EMS) in G1 and G2 to ensure all its environmental commitments are met.

The GIRBAU Environmental Management System uses three important tools to control and promote the fulfilment of its environmental objectives:

- An environmental management handbook and associated procedures: gives an account of all responsibilities and activities in order to achieve the established objectives of the environmental policy.
- Regular inspections: ensure procedures are correctly implemented and carried out.
- Regular environmental audits verify and ensure system efficiency.

The environmental committee is the body responsible for the monitoring of the EMS and consists of the following members:

- General Manager
- R&D&I Director
- Environmental Coordinator
- Manufacturing Director
- Quality Director
- Committee Secretary
- Employees' representatives

GIRBAU´s General Manager supervises the EMS on an annual basis once he has received the system review report drawn up by the Environmental Coordinator.

The environmental committee is in charge of monitoring environmental management issues and delegates its representation to the environmental coordinator.

The Environmental Coordinator, together with the people in charge of each department, identify the environmental effects of each activity carried out in the department and then assesses them under both normal and emergency conditions, according to the Procedure for identification and assessment of environmental issues (MAP03). On the basis of the results obtained in the assessment, the procedures for operational control are established.

All employees are involved in the correct functioning of the EMS. The department managers ensure that all established procedures are followed in order to achieve good Environmental management

In order to train new staff members and increase their awareness regarding environmental management issues, GIRBAU is considering setting up a training to convey to staff:

- The importance of complying with the environmental policy and with EMS procedures and requirements.
- The significant effects and benefits of better personal behaviour for the Environment.
- Their functions and responsibilities in meeting environmental requirements and the response to be given in the event of an emergency situation.

5. THE ENVIRONMENTAL IMPACT

In matters of Environmental protection, GIRBAU does not wish to limit its practice to merely complying with current standards and regulations. At GIRBAU there is a culture of respect for the Environment and on many occasions the company has engaged in voluntary Environmental protection work (See Chronology of actions for protection of the environment.)

The two basic premises for the culture of Environmental conservation at GIRBAU are to work with materials that are as non-aggressive as possible and minimize waste generation at the source.

The fact that the products manufactured by GIRBAU do not produce a high level of pollutants (neither during the manufacturing process nor at the end of their useful life) makes the application of corrective measures for Environmental protection easier.

Year after year, the data that we are presenting in the environmental statement are in line with Girbau environmental policy commitments.

EVALUATION METHOD FOR ENVIRONMENTAL ISSUES

Despite the good practices implemented, we are aware that GIRBAU's production activity generates a series of environmental impacts. For this reason, we have implemented an operating method that makes it possible to identify and evaluate the direct and indirect environmental aspects of all the activities carried out at GIRBAU and be able to determine their degree of importance in order to work on these activities as a matter of priority in order to prevent, reduce, and if that is not possible, control the impacts arising.

This operating method is included in the Procedure for identifying and evaluating environmental aspects (MAP03), and has been applied to all the different sections and activities that are carried out at GIRBAU's facilities.

The environmental aspects are identified as the following types:

- Natural resources consumption
- Raw materials consumption
- Waste water generation
- Waste generation
- By-products generation
- Atmospheric emissions
- Soil pollution
- Noise pollution
- Other (visual impact, offensive odours, etc.)

In order to evaluate them in the case of direct aspects under normal conditions, the nature, the magnitude/frequency and the possibility of implementing technological or management improvements in the environmental sphere are taken into account. In emergency conditions, the probability, the severity and the possibility of implementing technological or management improvements in the environmental sphere are taken into account.

In the case of indirect aspects, evaluation differs depending on the type of aspect, so that, for example, the EMS availability and the origin/grouping in the case of aspects associated with supplier/carriers; or whether training has been carried out, and whether the manuals are delivered to the customers-users of GIRBAU machinery are taken into account for aspects arising from the use of the machines.

In all cases, the possibility of implementing technological or management improvements in the environmental sphere is taken into account.

The indicators used for the assessment of environmental aspects are in line with the decision *(EU) 2021/2053 of 8 November 2021 best environmental management practices, environmental performance indicators and benchmarks of excellence for the fabricated metal products manufacturing sector*.

As a result of this evaluation, the significant aspects related to GIRBAU in 2023 are presented below.

SIGNIFICANT DIRECT ASPECTS IN 2023

DIRECT ENVIRONMENTAL ASPECTS	MAIN ENVIRONMENTAL ASPECTS
✓ Water consumption (G1)	→ Natural resources consumption
✓ Natural gas consumption (G2)	→ Depletion of non-renewable resources
✓ Metal raw materials consumption (G1 & G2)	→ Depletion of non-renewable resources, impact on biodiversity, generation of radioactive waste
✓ Consumption of paints (G1 & G2)	→ Depletion of non-renewable resources, loss of air quality
✓ Generation of copper waste (G1 & G2)	→ Energy consumption for treatment, loss of air quality and contribution to global warming, complete recovery of metal (positive impact)
✓ Generation of waste from fluorescents (G1 & G2)	→ Energy consumption for treatment, loss of air quality and contribution to global warming
✓ Generation of I.T. and electrical material waste (G1 & G2)	→ Energy consumption for treatment, loss of air quality and contribution to global warming
✓ Generation of paper and cardboard waste (G1 & G2)	→ Energy consumption for treatment, loss of air quality and contribution to global warming
✓ Generation of general factory waste (G1 & G2)	→ Possible soil pollution and landscape impact (landfills)
✓ Generation of wood waste (G1)	→ Energy consumption for treatment, loss of air quality and contribution to global warming

DIRECT ENVIRONMENTAL ASPECTS	MAIN ENVIRONMENTAL ASPECTS
✓ Generation of powder from the laser waste (G1)	→ Possible soil pollution and landscape impact (landfills)
✓ Generation of absorbent filter waste (G1)	→ Possible soil pollution and landscape impact (landfills)
✓ Generation of paint waste in powder form (G1)	→ Possible soil pollution and landscape impact (landfills)
✓ Generation of radioactive waste from the laboratory (G1)	→ Energy consumption for treatment, loss of air quality and contribution to global warming
✓ Generation of construction waste containing asbestos (G1)	→ Possible soil pollution and landscape impact (landfills)
✓ Generation of waste from drums containing hazardous substances (G2)	→ Energy consumption for treatment, loss of air quality and contribution to global warming
✓ Emissions resulting from our own fleet (G1 & G2)	→ Loss of air quality and contribution to global warming

SIGNIFICANT INDIRECT ASPECTS IN 2023: G1 AND G2 FACTORY

DIRECT ENVIRONMENTAL ASPECTS	MAIN ENVIRONMENTAL ASPECTS
✓ Fuel consumption and emissions from transfers between factories and warehouses	→ Non-renewable resources consumption and loss of air quality and contribution to global warming
✓ Fuel consumption and emissions resulting from delivering machines to client's premises	→ Non-renewable resources consumption and loss of air quality and contribution to global warming
✓ Fuel consumption and emissions from the commercial department (except for vehicles from our own fleet)	→ Non-renewable resources consumption and loss of air quality and contribution to global warming
✓ Fuel consumption and emissions from commuting and teleworking	→ Non-renewable resources consumption and loss of air quality and contribution to global warming

DIRECT ENVIRONMENTAL ASPECTS	MAIN ENVIRONMENTAL ASPECTS
✓ Environmental aspects derived from suppliers: resource consumption, waste generation, atmosphere emissions and wastewater generation.	→ Depletion of non-renewable and renewable resources, possible soil pollution, eutrophication of the waters, loss of air quality and contribution to global warming
✓ Environmental aspects arising from the use of the machines by the users: consumption of resources, generation of waste and wastewater and generation of atmospheric emissions	→ Depletion of non-renewable and renewable resources, possible soil pollution, eutrophication of the waters, loss of air quality and contribution to global warming
✓ Emissions resulting from the consumption of electricity	→ Loss of air quality and contribution to global warming

Significant indirect environmental aspects are associated with a change in assessment criteria. From 2021, they are calculated using the results of the emissions calculation for the carbon footprint scope 3. As the footprint results are not available until June of the following year, the values from the previous year's footprint calculation are used to assess the significance of indirect aspects.

6. TARGETS

STATUS OF ENVIRONMENTAL TARGETS AND GOALS 2023

Below is the evaluation and status of implementation of the environmental targets defined for 2023.

GOAL	SDG	SCOPE	DESCRIPTION OF THE ACTIONS	RESPONSIBLE	RESOURCES	PERIOD	INDICATOR	STATUS
Reduce powder paint waste by 20%.		G1	Implement a complete new system for paint treatment to replace the current manual tunnel.	Environment Coordinator and Layout Manager	**Economic**	March 2023	kg of paint waste kg of paint waste / machine purchased	Achieved. The powder paint waste has been reduced by 29%.  No consolidated data for the whole year to calculate the indicator referenced to the kg of paint purchased
			Commissioning of the new system for the treatment of paint and complete stoppage of the existing tunnel.		**Economic**	April 2023		
Consolidate the gas consumption of heating while maintaining the trend of the third quarter of 2022		G1	Installation of stratifiers	Environmental Coordinator	**Economic**	December 2023	Energy consumptions G1 2022 =3,461 MWh G1 2023 = 2,452 MWh	Achieved. Gas consumption has been reduced in G1 by 29% 
Increase the energy generated by self-consumption		G1	Consolidation of the use of the existing photovoltaic panels	Environmental Coordinator	**Economic**	May 2023	Self-consumption G1 2022: 243 MWh G1 2023: 390 MWh	Achieved. Self-consumption has increased by 60%
			Installation of solar panels with a power extension of 410 kWp	Environmental Coordinator	**Economic**	October 2023		

GOAL	SDG	SCOPE	DESCRIPTION OF THE ACTIONS	RESPONSIBLE	RESOURCES	PERIOD	INDICATOR	STATUS
Improve iron separation (170405) to make its management and final recovery easier.		G1	To make the management for the final recovery easier by means of a more careful identification and the awareness of the staff involved	Environment Coordinator and Metal working section Team Leaders	**Economic**	December 2023	2% increase in turnover for this concept	Achieved* The € waste/purchased ton ratio purchased has increased by 3% 
Decarbonization woks of the plant		G1	Feasibility study and investment proposal for the use of an alternative energy system to natural gas	Environmental Coordinator	**Economic**	October 2023	Approval of the study	The study will be carried out in 2024
			Replacement of the natural gas heating boiler in the finance, IT and sat area.	Environmental Coordinator	**Economic**	April 2023	Boilers replacement	

* In 2023, 27% less iron was purchased than in 2022.

2024 ENVIRONMENTAL TARGETS AND GOALS

In accordance with the significant environmental aspects deriving from GIRBAU's production activity, the following environmental programme is established for 2024. The achievement of these targets is monitored periodically and at least once a year in the Environment Committee meetings. Projected extension of the second objective with new actions to reduce water consumption throughout the year.

GOAL	SDG	SCOPE	DESCRIPTION OF THE ACTIONS	RESPONSIBLE	RESOURCES	PERIOD	INDICATOR
Reduced plastic consumption		G1	Modify the protective packaging of the control panel for the EDXL series, removing the plastic.	Plant engineering	**Economic**	April 2024	Save 4 plastic coils per year
		G1 and G2	ROI study for the purchase of new robotic wrappers with pre-stretching head	Plant engineering Responsible Maintenance	**Economic**	Oct. 2024	Plan for working with pre-stretched retracted plastic min 1:2
		G1	Study to replace precoated sheet. With galvanized and painted sheet.	Plant engineering	**Economic**	Dec. 2024	Plan to eliminate the use of plastic coating for sheets
Reduced water consumption		G1 and G2	Replacement of all toilet flushing systems	Responsible Maint.	**Economic**	Aug 2024	Avoid loss of sanitary water
			Drafting a water saving plan	Responsible Sustainability Responsible Maint.	**Economic**	Oct. 2024	Presentation of the plan to the ACA
			Promote the use of well water in G1 (not suitable for human consumption) for testing the machines	Responsible Maint.	**Economic**	Dec. 2024	Increased use of well water by 1.5%
Increase the energy generated by self-consumption		G1	Implement a new phase photovoltaic panels (+237 kWh)	Responsible Maint.	**Economic**	June 2024	Increase in photovoltaic production 1.400 kWh/kWp/year
Decarbonization woks of the plant		G1	Replacement of the natural gas heating boiler in the finance, IT and sat area.	Responsible Maint.	**Economic**	Jul. 2024	Savings of 240,000 kWh per year

7. ENVIRONMENTAL BEHAVIOUR

The indicators to assess the organisation's environmental performance are listed below.

Relative indicators are given by number of machines manufactured in total (G1+G2). Water is also calculated on the basis of turnover.

The indicators used for the monitoring are in line with the decision *(EU) 2021/2053 of 8 November 2021 best environmental management practices, environmental performance indicators and benchmarks of excellence for the fabricated metal products manufacturing sector*. The number of machines produced is considered instead of the weight of the finished product.

	2021	2022	2023
No. of machines manufactured	10,696	11,248	11,421
Turnover (millions of €)	80	107.4	126.9

Table 7.1 Production data and turnover

7.1. CONSUMPTION OF NATURAL RESOURCES

WATER

In the G1 factory, water is supplied from two wells belonging to the company, one 50m deep and the other 90m.

In addition, water from the Aigües Vic public water supply is used in toilets and showers, as well as in coffee machines and as refrigerated drinking water.

The water supplied from the public water mains is used in the surface finishing processes (in the de-greasing and rinsing baths), for demineralising, air-conditioning and eye-baths.

At the G2 Factory, water supplied from the Vic water main is used in the industrial processes and for cold drinking water, beverage machines, washrooms and air conditioning.

During 2023, the restrictions set by the drought Decree were met, and the required reductions in consumption were achieved. A savings plan is currently being drafted and investments are planned to be implemented in 2024.

	2021		2022		2023	
	G1	**G2**	**G1**	**G2**	**G1**	**G2**
Aigües Vic (m^3)	5,019	6,890	6,568	3,180	6,181	2,533
Own supply (m^3)	1,080	Not available	2,944	Not available	2,087	Not available
TOTAL WATER CONSUMPTION IN FACTORY (m^3)	**6,099**	**6,890**	**9,512**	**3,180**	**8,268**	**2,533**
TOTAL WATER CONSUMPTION (m^3)	**12,989**		**12,692**		**10,801**	

Table 7.1.1. Water consumption[2]

[2] The data for the consumption of water come from the invoices, and in the case of the well, from the measurements carried out internally.

Water consumption indicators

m^3 of water /millions of Euros

2021: 162.36

2022: 118.18

2023: 85.11

m^3 of water /manufactured machines

2021: 1.21

2022: 1.13

2023: 0.95

THE REDUCTION IN WATER CONSUMPTION IS DUE TO THE DIFFERENCE IN THE MIX OF MACHINES MANUFACTURED AND THE AWARENESS OF THE STAFF THROUGHOUT THE YEAR

ENERGY

The production activity has required the following consumption of electricity, natural gas and fuels of own fleet. From March 2019, the installation of solar panels with a power of 99 kWp began. During 2022, an additional 210 kWp was installed and during 2023, 600 new panels were installed with a power of 410 kWp each.

	2021	2022	2023
G1 (MWh)	1,994	1,896	1,966
G2 (MWh)	629	551	412
TOTAL CONSUMPTION (MWh)	**2,623**	**2,447**	**2,378**

Table 7.1.2. Total electricity consumption[3]

[3] According to data from the NUS Consulting program that collects electronic invoice consumption, in the case of network supply, and the data from investors provided by SUD Renovables, in the case of production by solar panels.

GIRBAU uses electric power for machine operation and lighting in general. During 2023, we changed the energy supplier (Iberdrola Cliente SAU) and contracted energy with a renewable energy certificate for G1 and G2 plants (among others).

	2021		2022		2023	
	G1	**G2**	**G1**	**G2**	**G1**	**G2**
Non-renewable mains power (MWh)	1,341	450	1,198	407	0	0
Renewable mains power (MWh)[4]	535	179	455	144	1,576	412
PV solar panels for self-consumption (MWh)[5]	118	---	243	---	390	---
TOTAL CONSUMPTION (INCL. MWh SELF-CONSUMPTION)	**2,623**		**2,447**		**2,378**	
TOTAL CONS. NON-RENEWABLES	**1,791**		**1,605**		**0**	
(MWh, %)	**68.3%**		**65.59%**		**0%**	
TOTAL CONSUMPTION RENEWABLES	832 (incl. solar)		842 (incl. solar)		2,378 (incl. solar)	
(MWh, %)	**31.7%**		**34%**		**100%**	
TOTAL CONSUMPTION RENEWABLES	**118**		**243**		**390**	
PRODUCED (MWh, %)	**4.5%**		**9.93%**		**16.40%**	

Table 7.1.3 Consumption of electricity according to origin

Natural gas is also used for the operation of ovens, hot air generators, steam generators and heating.

	2021	2022	2023
G1 (MWh)	3,980	3,461	2,452
G2 (MWh)	2,190	1,883	1,751
TOTAL CONSUMPTION (MWh)	**6,170**	**5,344**	**4,203**

Table 7.1.4. Consumption of natural gas according to invoice data (NUS)

In 2023, 31MWh of propane gas was purchased and used for flatwork ironers tests. There is no purchase data from previous years as the tank is refilled every three or four years.

Since 2022, Girbau has had an internal policy on the acquisition of company vehicles. According to this, priority will be given to the electric vehicle, the plug-in hybrid vehicle or the diesel vehicle where there is no possibility of charging.

	2021	2022	2023
Diesel (MWh)	494	362	378
Petrol (MWh)	95	184	185
TOTAL CONSUMPTION (MWh)	**589**	**546**	**563**

Table 7.1.5. Fuel consumption according to suppliers' data[6]

[4] In 2023, the commercializing company has been Iberdrola Client SAU and energy with a certificate of renewable origin has been contracted for G1 and G2 plants.

[5] Based on the data provided in SUD Renovables annual monitoring report.

[6] In 2021 they are reported for the first time according to the carbon footprint. DEFRA conversion factors have been used for 2021, 2022 and 2023. ghg-conversion-factors-2023-condensed-set-update.xlsx (live.com)

Power supply indicators

Total direct energy consumption: MWh/number of machines manufactured

2021: 0.88 (electricity, natural gas and fuels)

2022: 0.75 (electricity, natural gas and fuels)

2023: 0.63 (electricity, natural gas and fuels)

THE INDICATOR SHOWS A DECREASE COMPARED TO THE PREVIOUS YEAR DUE TO THE ACTIONS IMPLEMENTED.

Electricity: MWh/number of machines manufactured

2021: 0.25

2022: 0.23

2023: 0.21

Electricity: MWh renewable energy/number of machines manufactured

2021: 0.078

2022: 0.075

2023: 0.208

Electricity: MWh renewable energy produced/number of machines manufactured

2021: 0.010

2022: 0.022

2023: 0.034

Natural gas: MWh/number of machines manufactured

2021: 0.58

2022: 0.48

2023: 0.37

Fuels: MWh/number of machines manufactured

2021: 0.06

2022: 0.05

2023: 0.05

ENERGY CONSUMPTION INDICATORS SHOW A DECREASE COMPARED TO THE PREVIOUS YEAR DUE TO THE ACTIONS IMPLEMENTED.

During 2023, the installation of the third phase of photovoltaic panels was completed. Of the energy generated, one part is used for self-consumption, another part cannot be used since during its generation there is no activity (holidays, weekends, etc.)

	2021	2022	2023
Energy generated from photovoltaic panels (MWh)	118	354	557

Table 7.1.6 Energy generated by photovoltaic panels

RAW MATERIALS

The main raw materials consumed are shown below.

Raw metals (t)	2021	2022	2023
Cast iron	317	324	311
Stainless steel	1,956	1,953	1,738
Steel	1,929	2,324	1,626
Aluminium	296	187	189
Copper	2	0	0
TOTAL	**4,500**	**4,788**	**3,864**

Table 7.1.7. Consumption of Raw Metals[7]

Table 7.1.8. Paint Consumption[9]

Raw Materials Paint (kg)	2021	2022	2023
Primer paint	1,538	1,405	0
Yellow paint[8]	1,350	1,133	1,039
Powder paint	15,200	14,882	12,240
Solvent	1,068	736	44
TOTAL	**19,156**	**18,156**	**13,323**

Material consumption indicators

Raw metals:

Tonnes of raw metals / number of machines manufactured

2021: 0.42

2022: 0.43

2023: 0.34

Painting:

Tonnes of paint purchased/number of machines manufactured

2021: 0.0018

2022: 0.0016

2023: 0.0012

The installation of the new paint tunnel has led to the elimination of the use of primer paint. We also continue with the trend of eliminating the use of solvents.

[7] The data of the consumption of metal raw materials have been obtained from the company's ERP.

[8] Yellow paint will not be taken into account in upcoming versions of the environmental statement since it is not a raw material but an auxiliary product

[9] The data of the paint consumption have been obtained from the company's ERP.

7.2. WASTE GENERATION

The amounts[10] and types of waste generated over the last three years are listed below.

	2021		2022		2023		
Type of waste and hazard rating[11]	**G1**	**G2**	**G1**	**G2**	**G1**	**G2**	**Treatment[12]**
Cast iron and steel (t) (NH)	896.13	-	845.15	-	824.44	-	Recovery
Copper (t) (NH)	2.20	-	2.79	-	1.89	-	Recovery
Aluminium (t) (NH)	1.54	-	0.96	-	2.88	-	Recovery
Stainless steel (t) (NH)	174.61	-	222.92	-	295.17	-	Recovery
Powder from the laser (t) (NH)	0.55	-	0.795	-	0.44	-	Disposal
Fluorescent tubes (t) (H)	0.11	-	0,074	-	0.1	-	Recovery
Paper and cardboard (t) (NH)	31.33	28.75	35.10	21.58	40.18	22.68	Recovery
Toners (t) (NH)	0.01	-	0.03	-	0.04	-	Recovery
General factory waste (t) (NH)	34.16	14.37	41.57	12.90	47.77	14.7	Disposal
Hydraulic fluids (t) (H)	1.62	-	0.54	-	1.08	-	Recovery
Drums that have contained hazardous	0.69	0.15	1.47	0.26	0.2	0.25	Recovery
Airbrush and absorbent paint filters (t) (H)	0.95	-	0.40	-	0.15	-	Disposal
Powder paint (t)(H)	7.98	-	5.84	-	4.15		Disposal
Wood remains (t) (NH)	38.37	44.08	74.61	58.02	116.4	47.11	Recovery
Solvent (t)(H)	0.75	-	0.40	-	0.04	-	Disposal
Electric motors (t) (NH)	0.59	-	0.71	-	1.48	-	Recovery
Rubble from rehabilitating industrial buildings (t) (NH)	22.95	-	30.16	-	18.16	-	Disposal
			73.00	-			
I.T. and electrical material (t) (NH)	0.82	-	1.1	-	0.86	-	Recovery

[10] The amounts of waste shown are those declared in the Waste Statements and they come from the waste output control record.

[11] The hazard is indicated in accordance with the European Waste Catalogue with the initials H: hazardous and NH: not hazardous.

[12] In accordance with the data from the waste statements.

	2021		2022		2023		
Type of waste and hazard rating[11]	**G1**	**G2**	**G1**	**G2**	**G1**	**G2**	**Treatment[12]**
Degreasing liquids (t) (H)	18.10	-	15.22	-	8.76	-	Disposal
Traction batteries (t) (H)	0.31	-	0.09	-	0.11	-	Recovery
Aerosols (t) (H)	0.11	-	0.10	-	0.01	-	Recovery
Glass (t) (NH)	8.20	-	4.82	-	-	-	Recovery
Spent activated carbon (t) (NH)	0.75	-	0	-	0.31	-	Recovery
Vegetable oil (t) (NH)	-	-	0.08	-	0.05	-	Recovery
Plastic (t) (NH)	-	-	0.97	-	0.06	-	Recovery
Laboratory reagents	-	-	0.01	-	-	-	Disposal
Construction materials containing asbestos	-	-	27.40	-	26.66		Disposal
Electrical wires	-	-	-	-	3.75	-	Recovery
TOTAL (t)	**1,243.14**	**87.35**	**1,386.38**	**92.76**	**1,395.04**	**84.74**	
	1,330.49		**1,479.14**		**1,479.89**		

Table 7.2.1 Waste generated at GIRBAU

All waste generated in GIRBAU. is treated by waste managers authorized by the Agència de Residus de la Generalitat de Catalunya (Waste Board).

In the case of cardboard, it should be highlighted that GIRBAU reuses this material internally thanks to different points set up for its collection at both the G1 and G2 factories.

There has been a significant reduction in rubble waste due to the completion of the renovation work stage of the buildings. The increase in the generation of wooden remains is due to the changes in the packaging of raw materials.

Waste indicators

% Hazardous waste, % Non-hazardous waste

2021:

Hazardous waste: 31.08 t → 2.30%

Non-hazardous waste: 1,299.41 t → 97.70%

2022:

Hazardous waste: 51.82 t → 3.50%

Non-hazardous waste: 1,427.27 t → 96.50%

2023:

Hazardous waste: 41.51 t → 2.81%

Non-hazardous waste: 1,438.27 t → 97.19%

% Non-recovered waste, % waste recovered

2021:

Non-recovered: 77.72 t → 5.80 %

Recovered: 1,252.77 t → 94.2%

2022:

Non-recovered: 177.69 t → 12.00 %

Recovered: 1,301.45 t → 88.00 %

2023:

Non-recovered: 120.73 t → 8.16 %

Recovered: 1,359.05 t → 91.84 %

IN 2023, THE MATERIALS RESULTING FROM INSTALLING THE NEW ROOF CONTINUE TO BE CLASSIFIED AS HAZARDOUS AND NON-RECOVERED WASTE AS THEY CONTAINED ASBESTOS

Total waste production has remained the same as in 2022 in absolute values (1,479.14 in 2022 compared to 1,479.89 in 2023).

The percentage of hazardous waste is reduced due to the lower generation of powder paint waste and degreasing water due to the implementation of the new generation paint tunnel.

kg of metal waste/number of machines manufactured

2021: 100.46

2022: 95.29

2023: 98.45

kg of aerographic paint filter waste/number of machines manufactured

2021: 0.09

2022: 0.04

2023: 0.01

kg of powder painting waste/number of machines manufactured

2021: 0.75

2022: 0.64

2023: 0.36

kg of solvent waste/number of machines manufactured

2021: 0.07

2022: 0.04

2023: 0.004

Indicators of metal waste generation have increased slightly, while powder paint waste, solvent and filter waste have decreased.

7.3. ATMOSPHERIC EMISSIONS

GIRBAU has a total of 30 sources of emissions into the external atmosphere, 18 located in G1 and 12 in G2.

Of the 18 sources of emission in G1, 11 correspond to industrial processes and the remaining 7 are from natural gas combustion for the heating.

In the case of factory G2, the 12 existing sources are of natural gas combustion and only 2 of them are considered industrial.

GIRBAU has the corresponding record books for these points and controls them in accordance with the legislation in force.

The main direct atmospheric emissions derive from the combustion of natural gas for heating and fuels used by the vehicle fleet, and the leakage of refrigerant gases. They are set out in the following tables:

	2021		2022		2023	
	G1	G2	G1	G2	**G1**	**G2**
GHG emissions (t eq CO_2)[13](scope 1)	805.78	443.48	701.20	381.50	643.85	459.74
Total t CO_2 eq (scope 1)	1,249.26		1,082.70		1,103.59	
NOx emissions (t NOx)[14]	0.54	0.30	0.47	0.26	0.34	0.24
Total t NOx	0.84		0.73		0.57	
PM emissions (t PM)[14]	0.0029	0.0016	0.0025	0.0014	0.0018	0.0013
Total t PM	0.0045		0.0038		0.0030	

Table 7.3.1. Direct emissions resulting from the combustion of natural gas

	2021		2022		2023	
	G1	G2	G1	G2	**G1**	**G2**
Leak R134A[15] (t eq CO_2)	0.72	0	0	0	0	0
Leak R410A (t eq CO_2)	22.38	0	7.31	0	5.77	0
Leak R407C (t eq CO_2)	13.31	0	0	0	25.98	0
Leak R507A (t eq CO_2)	0	0	0	0	0	0
Leak RS70// RS70 (t eq CO_2)	17.65	0	0.44	0	1.31	0
	54.06		7.75		33.06	

Table 7.3.2. Direct emissions from the leakage of refrigerant gases

[13] In 2023 the calculation of GHG emissions has taken into account the emission factor of 2007 IPCC Guidelines for National Greenhouse Gas Inventories (AR5) + DEFRA 2023 - Fuel properties.

[14] Estimated values for 2023 considering the pollutants emission factors emitted to the atmosphere in 2022 by the Directorate-general for energy and Climate Change of the Government of the Balearic Islands: 38 g NOx /GJ and 0,2 g Particles/GJ.

[15] For the calculation of CO2 emissions from fluorinated gases, the Intergovernmental Panel on Climate change (IPCC) Fifth Assessment Report (AR5) over a 100-year period has been taken into account.

	2021	2022	2023
Diesel GEH emissions (t eq CO_2)[16] (scope 1)	147.77	113.39	99.43
SO_2 emissions (t SOx) [17]	0.0007	0.0005	0.0005
NOx emissions (t NOx)[17]	0.65	0.43	0.43
PM emissions (t PM)[17]	0.13	0.09	0.09

Table 7.3.3 Direct emissions resulting from the vehicle fleet diesel consumption.

	2021	2022	2023
Petrol GEH emissions (t eq CO_2) (scope 1)[16]	21.84	32.54	47.87
SO_2 emissions (t SOx)[17]	0.0001	0.0002	0.0002
NOx emissions (t NOx)[17]	0.06	0.12	0.14
PM emissions (t PM)[17]	0.0002	0.0004	0.0005

Table 7.3.4 Direct emissions resulting from the vehicle fleet petrol consumption.

In addition, indirect atmospheric emissions resulting from the consumption of electricity need to be taken into consideration.

	2021		2022		2023	
	G1	G2	G1	G2	**G1**	**G2**
Power supply GEH emissions (t eq CO_2) (scope 2)[18]	356.54	119.52	353.83	111.85	0.00	0.00
Total t CO_2 eq (scope 2)	476.07		465.68		0.00	
Nox emissions (t NOx)[19]	1.38	0.46	1.16	0.37	0.98	0.26
Total t NOx	1.84		1.52		1.24	
SOx emissions (t SOx)[21]	1.21	0.41	0.43	0.13	0.23	0.06
Total t SOx	1.62		0.56		0.29	
PM emissions (t PM)[21]	0.03	0.01	0.04	0.01	0.03	0.01
Total t PM	0.04		0.06		0.04	

Table 7.3.5. Indirect atmospheric emissions resulting from the consumption of electricity

[16] In 2023 the calculation of GHG emissions has taken into account the emission factor of 2008 and 2009 IPCC Guidelines for National Greenhouse Gas Inventories (AR5) + DEFRA 2023 - Fuel properties.

[17] Estimated values for 2022 considering the pollutants emission factors emitted to the atmosphere in the 2022 edition by the Directorate-general for energy and Climate Change of the Government of the Balearic Islands: 0.015 g SO_2 /kg fuel, 12.96 g NOx /kg fuel, 1 g Particles / kg fuel.

[18] Values obtained through Red Eléctrica Española (Spanish Electric Network) (2021 and 2022). For 2023, we have certificates of its renewable origin.

[19] Estimated values considering the pollutants emission factors emitted to the atmosphere in the 2022 edition by the Directorate-general for energy and Climate Change of the Government of the Balearic Islands: 0.3313 g SO2 /kg fuel, 0.8975 g NOx /kg fuel, 0.0343g Particles / kg fuel.

GEH emission indicators

Total GHG emissions:

tCO_2/No. of machines

2021: 0,18 (natural gas, fuels, refrigerant gases and electricity)

2022: 0,15 (natural gas, fuels, refrigerant gases and electricity)

2023: 0,11 (natural gas, fuels, refrigerant gases and electricity)

Direct CO_2 emissions indicators are unchanged from the previous year.

Source	Emission level[20]			Legal limit (mgC/Nm^3)
Source 22 Plate Satination (Registry No. 12289)	PST	<3 mg/Nm^3	0.019 kg/h	150
Source 23 Ring Satination (Registry nº12285)	PST	4 mg/Nm^3	<0.008 kg/h	150

Table 7.3.6. G1 Industrial Processes Emission Sources – painting and suction chamber

[20] Source: DEKRA emission control report ref. 00198_002-EA_43172ATM01_anA01 (year 2022).

7.4. ENVIRONMENTAL ASPECTS OF OUR MACHINES

GIRBAU is aware of the environmental impact in the phase during which their machines are in use, which is why the fundamental premise of the organisation is the continuous improvement of the machinery that it manufactures, seeking mainly energy efficiency and the reduction of water consumption.

In this respect it should be noted that GIRBAU meets the market's most demanding standards on an international level (e.g. the British WTL water consumption standard), which has made it a pioneer and a leader in its sector.

In the area of energy efficiency, it is in line with the guidelines being drafted by the technical commission, of which GIRBAU is also a part, for the energy labelling of washing machines.

With the aim of ensuring that the phase during which the machine is used is the most efficient from the environmental point of view, GIRBAU commissions the installation by carrying out training, either directly or via distributors or at the Girbau Experience Center, supported by the machine's user manual, where, among other things, instruction is given on how to proceed in the management of the waste once the machine reaches the end of its life cycle.

In 2023, we launched the G-Green team. Led by People and Sustainability departments, it is a working group that aims to promote actions related to sustainability and positive impact on the planet and the community, creating and fostering a respectful awareness of the planet and people through small actions.

This year, the Energy Advisory Program has also been created. The creation of this unique program addresses one of the main challenges of our customers in Spain, the increase in energy costs. The program combines sustainability and trust with the client and offers energy consulting services in collaboration with a trusted expert. This energy advisory service is partially covered by Girbau and aims to reduce the energy bill of our customers and facilitate their transition to green energy sources.

To reduce our scope 3 footprint, we are committed to offering a comprehensive solution that benefits both our customers and the environment.

7.5. BEST ENVIRONMENTAL MANAGEMENT PRACTICES

The indicators used for the monitoring are in line with the decision (EU) 2021/2053 of 8 November 2021 best environmental management practices, environmental performance indicators and benchmarks of excellence for the fabricated metal products manufacturing sector. The following table shows the correlations of those indicators and MPGM that are being considered:

Indicator	Units	EMAS related basic indicator	Associated MPGM23[21]	Environmental Statement page
Efficiency in the use of resources	kg of finished products /kg of incoming materials	Efficiency in consumption of materials	3.1.1, 3.3.3, 3.3.6, 3.3.7	Page 30
Power consumption	kWh/kg of finished product or manufactured parts	Energy efficiency	3.1.3, 3.3.3, 3.3.4, 3.3.7	Page 28
Proportion of electricity from renewable sources (whether self-generated or purchased) of total consumption of electricity:	%	Energy efficiency	3.2.5	Page 28

[21] Refer to the sections of decision (EU) 2021/2053 of 8 November 2021

7.6. TABLE OF INDICATORS

	2021	2022	2023	Progress
Total energy consumption (MWh/manufactured machines)	0,881	0,741	0,625	
Total electrical energy consumption (MWh/manufactured machines)	0,245	0,218	0,208	
Total renewable energy consumption (MWh/manufactured machines)	0,078	0,075	0,208	
Self-consumption (MWh/manufactured machines)	0,011	0,022	0,034	
Efficiency in material consumption (Metallic raw materials / manufactured machines)	0,42	0,43	0,34	
Water consumption (m3/ manufactured machines)	1,21	1,13	0,95	
Total waste (tn waste/ manufactured machines)	0,124	0,132	0,130	
Hazardous waste (tn hazardous waste/ manufactured machines)	0,003	0,005	0,004	
CO2 emissions (teqCO2 / manufactured machines)	0,18	0,15	0,11	
SO2 emissions (tSO2 / manufactured machines)	0,00015	0,00012	0,00003	
NOx emissions (tNOx / manufactured machines)	0,00024	0,00025	0,00021	
PM emissions (tPM / manufactured machines)	0,000016	0,000011	0,000012	

8. LEGAL COMPLIANCE

GIRBAU declares that it complies with the environmental legislation applicable to its facilities. Although some requirements are in process.

The main regulations applicable are listed below:

- Law 20/2009 and subsequent amendments, concerning environmental licensing (G1 i G2), Appendix II.2. exempt from periodical controls as a result of having the EMAS.
- Registration in the Industrial Registry.
- Low and high voltage installation in accordance with R.D. 337/2014 of 9 May and RD 842/02 of 2 August respectively.
- R.D. 656/2017, approving the regulations concerning storage of chemical products, and their Complementary Instructions. Change from category 2 to category 1 in the storage of compressed gases (APQ 05) since flammable gases are not used and the number of reserve inert gas cylinders has been reduced below 200Nm^3. Update document in the RITSIC dated 29/01/2024. The flammable warehouse (APQ 01) has been de-registered; deregistration document in the RITSIC dated 30/01/2024.
- R.D. 849/1986 Regulations concerning the Hydraulic Public Domain, and R.D.L.1/2001 approving the Water Law. It has the concession for both wells dated 26.07.2001 by the ACA (Well 1-753) and dated 23.01.2001 by the Directorate General of Mines (Western factory well).
- Permit for discharging wastewater generated, from Osona District Council, for both factories in accordance with the maximum admissible limits of the discharge characteristics of Annex II of Decree 130/2003, of 13 May, approving the regulation of public sewerage services.
- R.D. 110/2015, about waste from electrical and electronic devices. Declaration of producer of waste Products from Electrical and Electronic devices RAEE 28-02-06, registered at the Ministry of Industry, Tourism and Commerce (*Ministeri d'Industria, Turisme i Comerç*) as manufacturer No. 3533 dated 9th November 2010.
- R.D.919/2006, approving the technical regulations and those for the distribution and use of gas fuels their complementary technical instructions ICG 01 to 11. Gasification station ITC-MIE-AP 10.
- R.D. 244/2019, of 5 April, regulating the administrative, technical and economic conditions for the self-consumption of electric energy
- Law 7/2022, of 8 April, on waste and contaminated soils for a circular economy. In the process of joining an Extended Manufacturer Responsibility system.
- Royal Decree 1055/2022, of 27 December, establishes the legal regime applicable to packaging and packaging waste to prevent and reduce its impact on the environment throughout the life cycle. In the process of carrying out the annual packaging declaration once the registration of product manufacturer has been obtained.
- Royal Decree 1/2023, of 28 February, establishing extraordinary and urgent measures to deal with the situation of exceptional drought in the area of the river basin district of Catalonia.
- Royal Decree 9/2023, of May 19, of extraordinary and urgent measures to face the situation of exceptional drought in Catalonia.

9. INFORMATION, COMMUNICATION AND AWARENESS-RAISING

With the aim of maintaining an open channel on an ongoing basis for any kind of questions or information about GIRBAU's relationship with the environment, the managing director of Girbau is responsible for the company's dialogue with all interested parties on this topic.

The General Manager will also ensure that this statement is delivered to Vic Town Council, the Generalitat and to all those who may require it.

Where deemed appropriate, requests made by external interested parties will be considered when setting improvement goals.

10. ENVIRONMENTAL CHECK

GIRBAU has the EMAS-ES-CAT-00152 record and validates the Environmental Statement on an annual basis. The details of the Statement are updated annually and are available on GIRBAU's website: www.girbau.com

This environmental statement is the first validation of changes in respect of the content of previous Environmental Statements.

General Manager of Girbau, S.A.:

Mr. Pere Girbau i Pous

Checked by: