



# Hotel Marylanza Suites & Spa



## ENVIRONMENTAL STATEMENT

Period: From 1 January to 31 December 2023

Preparation date: 18 January 2024



Regulation (EC) No. 1221/2009, of the European Parliament and of the Council, dated 25 November 2009.  
Regulation (EU) No. 2017/1505, of the Commission, dated 28 August 2017, amending Appendices I, II and III of Regulation (EC) No. 1221/2009.  
Regulation (EU) No. 2018/2026, of the Commission, dated 19 December 2018, amending Appendix IV of Regulation (EC) No. 1221/2009.



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## 1. INTRODUCTION

The Environmental Statement is a public document, by means of which the establishment communicates, to all parties involved and entities that request it, information on the activities carried out and the assessment and improvement of the organisation's environmental performance.



In this Environmental Statement, Hotel Marylanza Suites & Spa shows transparency and environmental commitment, in compliance with Regulation (EC) No. 1221/2009, of the European Parliament and of the Council, dated 25 November 2009, Regulation (EU) No. 2017/1505, of the Commission, dated 28 August 2017, amending its Appendices I, II and III, and Regulation (EU) No. 2018/2026, of the Commission, dated 19 December 2018, amending its Appendix IV.

At Inversiones Marylanza S.L. we are aware of the main concerns of our current society, and we are aware of the great importance of protecting the environment.

Since its creation, Hotel Marylanza Suites & Spa has been committed to an environmental policy and its consequent verification. Day by day it continues to study and carry out possible reforms within its functional structure, aiming to make its financial results compatible with the development of environmental values.

The Management, together with the Human Resources Department, is developing a policy of awareness of environmental values aimed at all our staff, through training courses, conferences and meetings. Our programme should allow us to improve the deviations detected in the achievement of our environmental objectives and, at the same time, to acquire new commitments for improvement through the study of new possibilities (technologies, human, etc.) applicable to our establishment.

The establishment's Environmental Management System has been certified in accordance with the ISO 14001 standard and the EMAS Regulation since 2012 under **Reg. No. ES-IC-000100**. To this end, as an associated company, we count on the collaboration of **Excelencia Turística de Canarias**, an entity whose mission is to promote improvement and innovation and to contribute to the competitiveness and development of our tourist destination.

This Environmental Statement covers the periods from 01.01.2023 to 31.12.2023. Given the exceptional circumstances generated by COVID-19, information is sometimes only available for the last five years of 2021, coinciding with the time the hotel was open to the public.

## 1.1. Awards and Distinctions

The establishment has the following awards and distinctions:

Award/distinction	Area	Years
Travelife Gold Award	Social responsibility	2012-2023
Eco-Leaders Gold	Environment	2014-2023
Tripadvisor Excellence	Quality	2010-2023
Holiday Check Quality Selection	Quality	2013-2023

## 2. PRESENTATION OF THE ESTABLISHMENT

### 2.1. Details of the Establishment

Establishment:	HOTEL MARYLANZA SUITES & SPA	Spaces:	434
Activities:	Hospitality and Catering	Rooms:	217
Category:	4 stars	Date of construction:	2005 - 2006
Company:	Inversiones Marylanza S.L	Opening date:	October 2006
Address:	C/Los Arenales, 20 38650 Arona	E-mail:	<a href="mailto:info@marylanza.com">info@marylanza.com</a>
Telephone:	+34 922 787 816	Website:	<a href="http://www.marylanza.com">www.marylanza.com</a>

### Location



## 2.2 Services offered

Hotel Marylanza Suites & Spa offers its customers accommodation, catering and complementary services.

### ACCOMMODATION:

It has 217 accommodation units, all of them with independent bedroom, equipped kitchen, living room and balcony or terrace. They have a safe, air conditioning, alarm clock, music radio, mini bar and satellite TV.



Reception: With 24-hour customer service, it offers currency exchange, car rental, excursions, ticket sales and show reservations, safe, etc.

### CATERING:

Main restaurant, *Tagoror*: It serves buffet breakfast, lunch and dinner. A regional and international themed buffet is offered two to three times a week.

Speciality restaurant, *Kentia*: Offers creative cuisine that astounds with its presentation and the quality of its products.

Teppanyaki restaurant, *Orijama*: A unique gastronomic experience that blends oriental preparations with Canarian ingredients and flavours.

Pool Snack Bar, *La Palapa*: Offers snacks, lunches or salads.

Lobby/Corner Bar, *Taste*: Selection of tapas, wine by the glass and coffees from around the world.

Room service: A la carte service from 8am - 10am and from 1pm to 9pm.

Ballroom, *Belingo*: Live music and international shows.

### COMPLEMENTARY SERVICES:

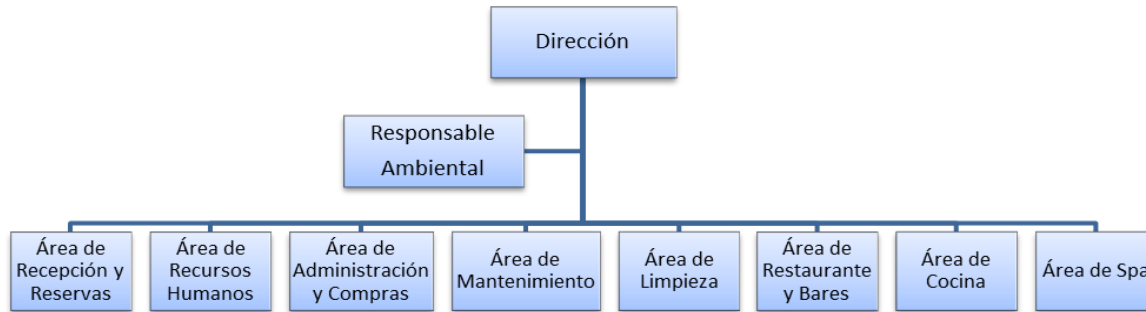
Swimming pool: Towels, sun loungers and parasols, and lifeguard service.

Other services: Library, billiards room, cards room, Internet access, ADSL WI-FI zone...



Spa and gymnasium: This is a service provided by an external company that rents the premises, so it does not fall within the scope of the system.

### 3. COMPANY ORGANISATIONAL CHART



### 4. DESCRIPTION OF THE MANAGEMENT STRUCTURE

The management of the establishment is responsible for the management system. Likewise, each area has an environmental manager for each process, in order to guarantee a solid structure to support our management system.

The Environmental Management System (EMS) is a voluntary instrument that allows us to plan, manage and improve our environmental performance based on three fundamental pillars: compliance with environmental regulations, continuous improvement, and the involvement of all interested parties (employees, customers, suppliers, etc.). It is comprised of the following elements:

1. Analysis of the Context.
2. Environmental Management Policy.
3. Legislation and applicable legal requirements.
4. Environmental planning: environmental objectives.
5. Documentary structure of the EMS, consisting of:

Procedures	Instructions	Records
They describe the development of the activities set out in the Management Manual in order to comply with the requirements of the reference standards on which the MS is built.	Documents describing the steps to be followed in a more detailed way, the activities or processes with an environmental component.	Evidence of the performance of activities, compliance with the management or legal system.

6. Internal audits, in order to assess the development of and compliance with the requirements of the Management System and to identify non-compliances or opportunities for improvement (internal audit held on 4 January 2024).

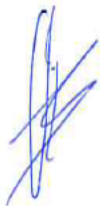
7. Annual review of the System by Management to assess its degree of implementation and effectiveness and establish new objectives for the progressive development of environmental performance (review held on 17 January 2024).

## 5. SOCIAL RESPONSIBILITY POLICY

Hotel Marylanza Suites & Spa is committed to achieving a unique holiday experience for our customers with an optimal quality-price ratio through an excellent service provided by qualified and motivated staff members, who are committed to their personal and professional growth. Contributing to the social and economic development of our community in a sustainable way is another of our priorities, limiting the environmental impact that the establishment's activity generates. This desire is materialised through the development of the following principles:

- To comply with the applicable legislation and regulations and with the other requirements and commitments that our establishment may acquire in environmental, labour, social and quality matters.
- To build a favourable environment for labour relations based on equal opportunities, non-discrimination, respect for diversity, safety and transparency.
- To promote the professional and personal development of human resources, facilitating their continuous training and increasing their skills, including information and awareness of environmental and service issues.
- To promote a culture of respect and protection of the natural environment, reducing the environmental impact of the organisation's activities and defending the biodiversity that surrounds us.
- To assume a process of continuous improvement in our Management System, in the search for an optimal performance of the organisation.
- To encourage our suppliers, collaborators, employees and customers to improve their environmental, social and ethical behaviour.
- To prioritise the consumption of local products and services, boosting the economy and quality of life of the community; and to cooperate in the organisation and dissemination of events to promote local culture and traditions among our international clientèle.
- To guarantee respect for fundamental human rights, especially those of the most vulnerable groups, rejecting any practice that harms individual or collective dignity, as well as the explicit rejection of all types of child abuse.
- To contribute to the implementation of priority social initiatives for disadvantaged groups, aimed at satisfying their vital needs, as well as actions focused on the welfare of children and young people in the community.
- To promote initiatives and projects aimed at achieving the Sustainable Development Goals (SDGs) and the 2030 Agenda, approved by the United Nations.

In Los Cristianos, on 5 January 2024.



## 6. LEGAL ENVIRONMENTAL REQUIREMENTS



Hotel Marylanza Suites & Spa identifies and monitors compliance with all applicable European, state, regional and local legal requirements, as well as other requirements that the establishment undertakes to comply with. To do this, it regularly consults the legislation database and its updates to ensure compliance with legal requirements. This database is updated by Excelencia Turística de Tenerife.

The identification of legal requirements includes the identification of the different requirements, such as permits, authorisations, inspections and other environmental commitments that the establishment adheres to. Hotel Marylanza Suites & Spa declares compliance with all environmental legal requirements applicable to the complex. In general terms, the establishment complies with the following environmental legal requirements:

- Authorisation of the Council of Tenerife (catalogue no.: H-38/4,406)
- Registration as a small producer of hazardous waste (No. 38.4.06.73.91).
- Environmental Identification Number [NIMA] (No. 3800008009)
- Authorisation to discharge wastewater into the network.
- Industry registration of thermal, oil, fuel, fire, low and medium/high voltage, refrigeration installations and establishment of the applicable contracts and regular reviews.
- Compliance with the legal limits on pollutant emissions.
- Compliance with the Legionnaires' disease control and prevention protocol.
- Separation of urban and comparable urban waste.
- Compliance with noise generation limitations.
- Compliance with the conditions of use and storage of toxic and hazardous substances.

The basic reference regulations are listed at the end of this document, and the sections corresponding to each environmental vector explain the environmental management practices to comply with these requirements.

## 7. ENVIRONMENTAL ASPECTS

An Environmental Aspect is an element of the activities, products or services of our organisation that may interfere with the environment. It takes into account the direct environmental aspects, that is, those over which the establishment has full control and the indirect ones, where this control is not total.

It also takes into consideration the environmental impact, that is, how new projects or developments of the activity affect or may affect the environment.



Environmental aspects are assessed annually to determine their degree of significance, that is, whether their impact on the environment is considerable. To this end, criteria have been defined taking into account different parameters: severity, magnitude, frequency, probability and controllability.

The following tables show the results of the latest assessment of environmental aspects under normal and abnormal conditions, indicating their degree of significance for the year 2023.

Identification and assessment of direct environmental aspects				
Vt = Frequency x (Magnitude + Severity)				
Area of generation	Environmental Aspects	Operating conditions	Significance	Impact on the environment
Maintenance	Consumption of swimming pool treatment products	NC/AC	Yes	Water pollution. Generation of packaging waste
DHW installations	Consumption of fuel (propane)	NC/AC	Yes	Reduction of natural resources
General	Consumption of electricity	NC/AC	Yes	Reduction of natural resources
General	Consumption of water	NC/AC	Yes	Reduction of natural resources

On the other hand, and as a consequence of the activities, products and services of suppliers and subcontractors, there may be aspects over which there is not full management control: indirect aspects.

These aspects are generated as a consequence of the following operations:

- Maintenance of installations and equipment
- Works and refurbishments
- Raw material suppliers
- Service providers (laundry, dry cleaning, cleaning and disinfection, etc.)

The indirect environmental aspects identified and assessed were:

- Consumption of raw materials, energy, water and fuel.
- Generation of hazardous and non-hazardous waste

As a result of the assessment, no indirect environmental aspects have been identified as significant.

Potential environmental risks were also identified and assessed, and none were found to be significant.

## 8. ENVIRONMENTAL OBJECTIVES

The environmental objectives set by the management of the establishment for the year 2023, as well as the actions that were undertaken, are set out below.

On this occasion, the significant environmental aspect of consumption of pool treatment products is not considered, as consumption per overnight stay was reduced, but not sufficiently according to the methodology used for the assessment of environmental aspects. This is normal consumption, taking into account the comparison of the last two years (in 2021 the hotel was closed for 7 months due to the Covid-19 pandemic). Moreover, in last year's objectives plan, the pool maintenance products, and new, more efficient filtering products (Vadeaguas) were replaced.

SIGIFICANT ENVIRONMENTAL ASPECT: FUEL CONSUMPTION				
<b>Objective:</b>	Reduce consumption per overnight stay by 1%			
<b>Assessment method:</b>	Fuel consumption per overnight stay indicator			
Actions	Person responsible	Deadline	Resources	Final review
Installation of a heat recovery unit	FJ/VG	Dec-23	Financial budget	Temporarily dismissed due to other priorities

Comments: The objective is achieved despite not having implemented the planned action (0.73 to 0.66 kg/overnight stay)

SIGIFICANT ENVIRONMENTAL ASPECT: ELECTRICITY CONSUMPTION				
<b>Objective:</b>	Reduce consumption per overnight stay by 1%			
<b>Assessment method:</b>	Electricity consumption per overnight stay indicator			
Actions	Person responsible	Deadline	Resources	Final review
Replacement of corridor lighting with LED bulbs	FJ/VG	Mar-23	Financial budget	Closed
Replacement of room fridges with more efficient ones.	FJ/VG	Dec-23	Financial budget	For replacement

Comments: Objective is not achieved, increase of 2% (16.21 to 16.52 kWh/overnight stay)

SIGIFICANT ENVIRONMENTAL ASPECT: WATER CONSUMPTION				
<b>Objective:</b>	Reduce consumption per overnight stay by 1%			
<b>Assessment method:</b>	Water consumption per overnight stay indicator			
Actions	Person responsible	Deadline	Resources	Final review
Replace bathtubs with showers in the bathrooms	FJ/VG	Dec-23	Financial budget	A pilot has been carried out in one room. Pending initial tests and assessment for extrapolation to the other rooms.

Comments: Objective is not achieved, increase of 29% (0.24 to 0.31 m<sup>3</sup>/overnight stay)

## Outline of the Objectives Plan for 2024:

Pending knowledge of the environmental aspects that will be significant in the coming year, the actions that were not completed in the current period are being considered, and the following new actions are being studied:

- Continuation of the action to replace bathtubs with showers in the bathrooms.
- Replacement of air conditioning thermostats in rooms (digital).
- Installation of a sensor on the terrace doors of rooms to deactivate air conditioning.
- Identify areas of paper consumption (sheets) and establish actions to achieve a reduction.

## 9. RESPONSE CAPACITY

In accordance with the assessment of environmental aspects in emergency situations, specific protocols have been developed for the risks identified. Depending on the degree of probability and their environmental consequences, the relevant tests have been performed.

Date	Test	Result	Protocol modification
14.12.23	Fire protection	Compliant	Not necessary
14.12.23	Spillage of toxic substances	Compliant	Not necessary

Some actions to reduce the risk of environmental incidents or accidents are:

- Correct and orderly storage of hazardous products.
- Retention buckets and trays where necessary.
- Absorbent sandbags.

## 10. INDICATORS OF THE ESTABLISHMENT'S ENVIRONMENTAL PERFORMANCE

This section presents data on the organisation's environmental performance and its progress in achieving its objectives. For this purpose, the direct and indirect environmental aspects of activities, products and services are considered.

As established in "EMAS" Regulation 1221/2009, the results of the indicators are listed according to the environmental aspects and the degree of significance. Given the casuistry of the tourist accommodation sector, the number of workers does not vary significantly throughout the year, so sometimes the "overnight stays" factor is used as the basis for many of the measurements, understood as the number of stays made in the established period. This makes it possible to minimise many important parameters of the establishment's environmental performance and make comparisons between different periods.

On the other hand, where appropriate, the comparative parameters of excellence established in the Sectoral Reference Document (SRD) set out in (EU) Commission Decision No. 2016/611, of 15 April 2016, are reflected.

Year	2021*	2022	2023
Overnight stays	56,299	169,672	186,173

\*Data from August to December 2021.

## WATER CONSUMPTION

Given the activity of a holiday-type establishment, water consumption is an aspect that should be taken into account, regardless of the result of the aspect assessment. The high increase in consumption per overnight stay is attributed to the high temperatures recorded this year, which has increased water consumption in rooms (longer shower times).

WATER CONSUMPTION	2021	2022	2023
Consumption (m <sup>3</sup> )	16,961	39,359	56,944
m <sup>3</sup> /overnight stay	0.30	0.23	0.31

### Sectoral Reference Document (SRD) in L/overnight stay:

Comparative benchmark of excellence:	2021	2022	2023
140	301	232	306
In 2021, annual consumption was considered, as opposed to overnight stays during the months the hotel was open. It should also be noted that this is a 4-star hotel with services and facilities (swimming pool, gardens, rooms, etc.) in keeping with its category.			

Some of the actions taken by the establishment to reduce consumption are as follows:

- Reduction/rationalisation mechanisms such as flowmeters in rooms, sensors, aerators, etc.
- Cisterns with double flushing system
- Drip irrigation system
- Awareness messages in rooms
- Reuse of bath towels in rooms

## Control of drinking water quality

The establishment carries out monthly microbiological analyses of the water, through an authorised external company. Daily pH and chlorine checks are carried out.

Date: 9.11.23 Area: Pool Bar tap	Laboratory: BIOLAB	Code: 998348 Analysis technician: Hugo Rodríguez
VALUES ABOVE/BELOW THE LEGAL LIMIT:	None	
Comments:	The sample complies with current legislation.	
Legal reference used:	Royal Decree 3/2023, of 10 January, establishing the technical-sanitary criteria for the quality of drinking water, its control and supply.	

## ELECTRICITY CONSUMPTION

Another relevant environmental aspect is the consumption of electricity. The electricity supplier is Endesa. Since March 2017, the company has been GDO certified, which means that 100% of the electricity supplied comes from **renewable sources**. This year's high temperatures and the prolonged weather caused higher consumption per overnight stay due to the intensive use of air conditioning by customers.

ELECTRICITY CONSUMPTION	2021	2022	2023
Consumption (KWh)	1,280,468	2,750,804	3,075,679
KWh/overnight stay	22.74	16.21	16.52

The electricity consumption ratio in 2021 was increased due to the opening of the spa and fitness area around 2 months before the hotel part, which increased consumption during a period with no overnight stays.

Some of the actions taken by the establishment to reduce electricity consumption are as follows:

- General lighting using low-energy bulbs and LEDs
- Automatic A/C disconnection system in rooms
- Automatic on/off clocks, manually regulated according to the hours of daylight per day
- In rooms, the general electricity supply is controlled by a card
- Presence sensors in low-light areas during daylight hours
- Purchase of more electrically efficient appliances
- Awareness messages in offices

## PROPANE GAS CONSUMPTION

Propane gas consumption comes from:

- DHW Boilers
- Gas cooking equipment

PROPANE GAS CONSUMPTION	2021*	2022	2023
Consumption (kg)	57,283	124,350	122,581
Kg/overnight stay	1.02	0.73	0.66

\*Data from August to December 2021.

As with water, the fact that the spa and fitness centre opened before the hotel increased propane consumption without an increase in overnight stays.

One of the main actions to reduce gas consumption was to have 96 **solar thermal** panels, with an efficiency of 28.98%. This contributes to heating domestic hot water and therefore reducing the consumption of propane gas from the boilers.

## DIESEL CONSUMPTION

The consumption of diesel is due to its use as fuel for the electricity generating unit. The annual consumption is hardly significant, as the generator comes into operation when the electricity supply is cut off or to check its operation once a month for a few minutes.

## ENERGY DEPENDENCY

Energy dependency is defined as the energy required for the development of the activity and which needs to be produced or acquired by the establishment. For its calculation, the following values are converted into energy units.

ENERGY DEPENDENCY (MWh)	2021	2022	2023
Electricity Consumption	1,280.5	2,750.8	3,075.7
Propane Gas Consumption*	734.9	1,595.4	1,572.7
Solar Thermal Energy Consumption**	213.0	462.3	455.8
Total Consumption	2,228.4	4,808.6	5,104.2
MWh/overnight stay	0.0396	0.0283	0.0274

\*Conversion factor 12.83 KWh/Kg. Source: Spanish Ministry for Ecological Transition, June 2023.

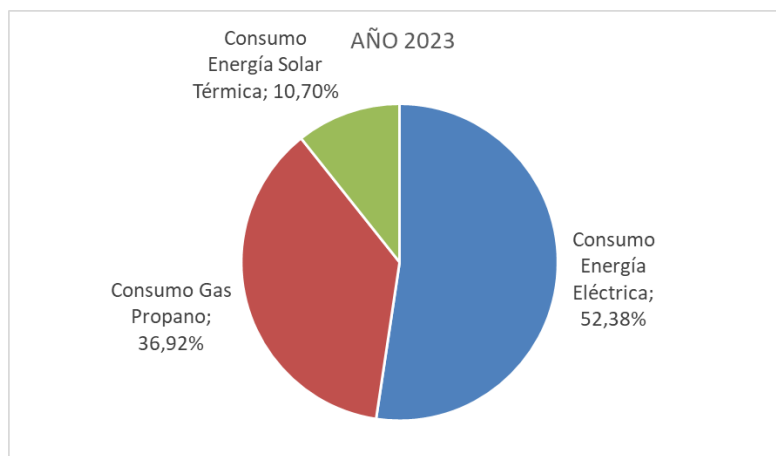
\*\*Calculation based on the design parameters of the installation due to the lack of meters: 28.98% average efficiency on energy demand for DHW.

### Sectoral Reference Document (SRD) in kWh/m<sup>2</sup> of built area (25,399 m<sup>2</sup>):

Comparative benchmark of excellence:	2021	2022	2023
180	53	113	126

In 2021, the hotel was only open for five months. It should also be noted that this is a 4-star hotel with services and facilities in keeping with its category.

Energy Distribution (%)	2021	2022	2023
Electricity Consumption	57.46%	57.21%	52.38%
Propane Gas Consumption	23.42%	33.18%	36.92%
Solar Thermal Energy Consumption	9.56%	9.62%	10.70%



**Sectoral Reference Document (SRD) in percentage of renewable energy:**

Comparative benchmark of excellence:	2021	2022	2023
% Renewable electricity	57.46%	57.21%	52.38%
% Solar thermal energy	9.56%	9.62%	10.70%
Total (SRD: 50%)	67.0%	66.8%	63.1%

As mentioned above, the hotel has solar thermal energy at its facilities and acquires 100% of its electricity from renewable sources. Given the characteristics of the installation and the location, it is very difficult to obtain space to generate a greater amount of renewable energy.

## CONSUMPTION OF RAW MATERIALS

Over the last few years, we have recorded the following quantities of **chemical products** consumed (laundry, cleaning of the facilities, kitchen and swimming pool):

PRODUCTS (kg)	2021	2022	2023
Laundry Products	4,296*	8,643	8,247
Cleaning Products	2,573*	6,830	6,091
Kitchen Products	1,354*	5,235	4,191
Swimming Pool Products	10,729	27,264	33,860
Total Products	18,952	47,917	52,389
Kg/overnight stay	0.34	0.28	0.28

\*Data from August to December 2021.

It should be noted that, in terms of cleaning products, in 2019 products from the Zero Natural Force line were incorporated, with a lower environmental impact, which require a higher dosage. And in 2022, laundry products were replaced by bulk products with the European Ecolabel, and pool maintenance products and new, more efficient filters (Vadeaguas) were replaced.

Among the main measures to reduce the consumption of raw materials are:

- Automatic dosing system for cleaning products
- Automatic dosing system for swimming pool products
- Organic treatment of garden plants

The consumption of swimming pool products depends on the number of users and weather factors such as heat or rain. The dosing of both chlorine and pH regulators is carried out by automatic dosing devices.

The consumption of **paper (sheets)** in recent years has been as follows:

PRODUCTS (kg)	2021*	2022	2023
Paper (sheets)	255	420	480
Kg/overnight stay	0.005	0.002	0.003

\*Data from August to December 2021.

The hotel has implemented good practices to reduce the use of paper (promoting digital use, double-sided printing, etc.). The paper used also has FSC and Ecolabel environmental certifications.

## ATMOSPHERIC EMISSIONS

Measurement of boiler emissions and performance:

Measurement date	11.12.23				Benchmark criterion*
Aspect	Boiler 1		Boiler 2		
	Flame 1	Flame 2	Flame 1	Flame 2	
Temp. in emission p. (°C)	123.0	135.8	99.6	113.7	-----
Oxygen (%)	5.1	5.4	6.6	6.8	-----
CO (ppm)	1	1	2	1	*500 p.p.m.
CO <sub>2</sub> (%)	10.37	10.18	9.39	9.26	-----
Performance (%)	95.7	95.1	96.6	95.9	-----

\* Maximum permitted values according to section 27 of Appendix IV of Spanish Royal Decree 833/1975.

The mandatory maintenance of boilers and other thermal installations is carried out in accordance with the Spanish Regulation on Thermal Installations in Buildings.

### Total annual greenhouse gas emissions

- Determination of CO<sub>2</sub>e through loss of refrigerant gases:

To determine the emissions of refrigerant gases in CO<sub>2</sub>e values, the kilos of gases that have had to be replaced as a result of leaks are multiplied by their global warming power (GWP):

REFRIGERANT GASES	GWP	2021		2022		2023	
		Kg	CO <sub>2</sub> e	Kg	CO <sub>2</sub> e	Kg	CO <sub>2</sub> e
R134-A	1,300	0	0	3.0	3,900	1.50	1,950
R407-C	1,624	0	0	2.45	3,979	8.88	14,421
R422-D	2,473	0	0	1.65	4,068	0	0
HP-410-A	1,924	0	0	0	0	20.96	26,862
R449-A	1,282	63.0	80,741	8.0	10,253	5.66	10,887
Total (Kg)	-	<b>63.0</b>	<b>80,741</b>	<b>15.10</b>	<b>22,200</b>	<b>37.0</b>	<b>54,120</b>
Total/overnight stay	-	<b>0.00112</b>	<b>1.56</b>	<b>0.00009</b>	<b>0.13</b>	<b>0.00020</b>	<b>0.29</b>

Sources for GWP: Spanish Ministry for Ecological Transition, June 2023.

- Determination of CO<sub>2</sub>e through consumption of electricity, fuel and loss of refrigerant gases:

Electricity is purchased from the company Endesa, which provides us with a GDO Green Energy certificate for the total energy supplied, therefore, we consider the emission factor to be zero.



t CO2 equivalents	2021	2022	2023
CO2 Electricity Consumption	0.00	0.00	0.00
CO2 Propane Consumption*	169.04	366.94	361.72
CO2 refrigerant gas leak	80.74	22.20	54.12
Total CO2 emissions	249.78	389.14	415.84
Total/overnight stay	0.00300	0.00229	0.00223

\*Source: Spanish Ministry for Ecological Transition, June 2023.

### **Total annual air emissions**

To determine the annual air emissions, the kWh of electricity and fuel consumed are multiplied by the reference emission factor.

Air emissions (kg)	2021	2022	2023
SO2	0.00	0.00	0.00
NOx	150.81	327.38	294.50
PM	0.53	1.15	1.03
Total emissions	151.34	328.53	295.53
Total/overnight stay	0.00269	0.00194	0.00159

\*Emission factor: Electricity: 0, as it comes from renewable energy. Propane: SO2 0; NOx 0.0002; PM 0 Kg per Kwh. Source: Guide to emission factors for pollutants emitted into the atmosphere, Government of the Balearic Islands, July 2014.

### **Calculation of Carbon Footprint**

Within the framework of the Initiative for calculating the Carbon Footprint in the accommodation sector, developed by Excelencia Turística de Tenerife, we have calculated our footprint in order to quantify the emission of greenhouse gases (GHG) that are released into the atmosphere as a result of the development of our activity.

The methodology of the [Spanish Ministry for Ecological Transition and the Demographic Challenge \(MITECO\)](#) has been used for this operation, taking into account the different scopes and emission factors determined by the calculation tool itself. The results obtained for Scope 1 (direct emissions from fuel consumption and fugitive emissions) and Scope 2 (indirect emissions from electricity consumption) are as follows:



Carbon footprint (t CO <sub>2e</sub> )	2022
Total carbon footprint of establishment	391.03
Carbon footprint/overnight stay	0.0023

Source of reference values: Spanish Ministry for Ecological Transition. Electricity is contracted from Endesa, but there is a Green Energy certificate for the entire supply.

The carbon footprint for the year 2023 is not included, as at the date of preparing this environmental statement, the MITECO has not yet published the emission factors for that year.

## GENERATION OF WASTEWATER

The establishment is connected to the public sewage network into which it discharges its wastewater. Annually, an analysis of the composition of the wastewater at the connection points is conducted, with the following results:

Location: Reception Bathrooms

Date: 11.5.23 Area: Connection	Laboratory: Biolab	Code: 911970 Analysis technician: David Baute
<b>Parameters analysed:</b>	<b>RESULT OF THE SAMPLE:</b>	<b>REFERENCE LIMITS:</b>
pH (hydrogen concentration)	7.2 pH units	Approx. 6-9 pH
BOD5 (Biological Oxygen Demand)	650 mg/l	Max. 1,000 mg/l
COD (Chemical Oxygen Demand)	1,140 mg/l	Max. 1,600 mg/l
Suspended solids	6 mg/l	Approx. 1,200 mg/l
Conductivity	1,660 µS/cm	Approx. 2,500 uS/cm
Oils and fats	63.7 mg/l	Max. 500 mg/l
<b>COMMENTS:</b>	The sample complies with current legislation.	
<b>Legal reference used:</b>	Spanish Decree 168/2018, of 26 November, which definitively approves the Island Hydrological Plan of the Hydrographic Demarcation of Tenerife.	

Location: Kitchen Sewage

Date: 11.5.23 Area: Connection	Laboratory: Biolab	Code: 911969 Analysis technician: David Baute
<b>Parameters analysed:</b>	<b>RESULT OF THE SAMPLE:</b>	<b>REFERENCE LIMITS:</b>
pH (hydrogen concentration)	5.6 pH units	Approx. 6-9 pH
BOD5 (Biological Oxygen Demand)	900 mg/l	Max. 1,000 mg/l
COD (Chemical Oxygen Demand)	1,300 mg/l	Max. 1,600 mg/l
Suspended solids	10 mg/l	Approx. 1,200 mg/l
Conductivity	1,450 µS/cm	Approx. 2,500 uS/cm
Oils and fats	384.4 mg/l	Max. 500 mg/l
<b>COMMENTS:</b>	The sample complies with current legislation.	
<b>Legal reference used:</b>	Spanish Decree 168/2018, of 26 November, which definitively approves the Island Hydrological Plan of the Hydrographic Demarcation of Tenerife.	

As there is no municipal ordinance for discharges in Arona, the Island Hydrological Plan of Tenerife has been taken as a reference. The samples are considered satisfactory in terms of the parameters analysed.

## GENERATION OF SOLID URBAN WASTE

Solid urban waste is managed selectively. Organic waste is managed through the municipal collection service, except for used vegetable oil, which is managed by an authorised manager.

### Waste generated:

The quantities generated for paper/cardboard and vegetable oil waste are taken from the certificates provided by the relevant manager, whereas for glass, packaging and organic waste, an estimation method is used based on the volume of containers.

PAPER/CARDBOARD	2021*	2022	2023
Total (Kg)	7,246	13,292	15,290
Kg/overnight stay	0.13	0.08	0.08

GLASS	2021*	2022	2023
Total (Kg)	8,810	30,340	36,055
Kg/overnight stay	0.16	0.18	0.19

LIGHTWEIGHT PACKAGING	2021*	2022	2023
Total (Kg)	3,320	9,253	9,732
Kg/overnight stay	0.06	0.05	0.05

VEGETABLE OIL	2021*	2022	2023
Total (litres)	1,044	3,543	3,640
L/overnight stay	0.02	0.02	0.02

FRACTION OF REST	2021*	2022	2023
Total (Kg)	53,365	186,485	191,620
Kg/overnight stay	0.95	1.10	1.03

\*Data from August to December 2021.

In order to minimise waste or improve waste management, the following actions have been taken:

- Elimination of single-use plastics: elimination of WC seals, introduction of reusable eco-cups, replacement of plastic cups, plates and straws, elimination of single-dose products (butter, jam, nutella).
- Returnable packaging: An attempt is made to ensure that all suppliers take back the packaging and wrapping of the goods supplied.
- Some environmental criteria are established in purchases in order to generate less waste, such as bulk purchases of cleaning products or foodstuffs.
- Segregation of solid urban waste: containers have been purchased for all departments in green (glass), yellow (light packaging) and blue (paper and cardboard). Technical instructions have been drawn up and implemented for the departments where this waste is produced for its correct segregation and storage.
- A paper and cardboard compactor is available that allows a larger amount of waste to be stored.
- Measures have been put in place to reduce plastic water bottle waste by making dispensers available to customers and removing bottles from the all-inclusive offer.
- The customer is invited to participate in waste segregation. In some communal areas (swimming pool area, gym, spa, etc.), containers were placed for different types of waste. A space was set up in the kitchen of the rooms for separating glass.

## GENERATION OF HAZARDOUS WASTE

Various types of hazardous waste are generated in the different areas of the establishment. For this reason, there is a specific area for the storage of this waste, and it is kept under the control of the Head of Technical Services. This waste is collected by managers authorised by the Government of the Canary Islands.

### Waste generated:

Authorised managers guarantee an environmentally correct management of the hazardous waste generated at our establishment.

HAZARDOUS WASTE (kg)	2021	2022	2023
Fluorescent bulbs, energy saving lamps	167	216	182
Ni-Cd Batteries and Accumulators	0	58	50
Contaminated packaging	450	805	2,056
Electrical and electronic devices	124	40	11
Aerosols	0	1,156	0
Decontaminated refrigeration equipment	0	435	477
Toner	0	46	19
Other (chemicals)	0	1,037	0
<b>Total (Kg)</b>	<b>741</b>	<b>3,793</b>	<b>2,795</b>
<b>Kg/overnight stay</b>	<b>0.01</b>	<b>0.02</b>	<b>0.02</b>

**Sectoral Reference Document (SRD):**

Comparative benchmark of excellence:	2021	2022	2023
The total waste generated (sorted and unsorted) is more than 0.6 kg/per overnight stay.	1.3	1.4	1.4
At least 84% of the waste, expressed by weight, is sent for recycling.	28%	24%	26%
The amount of unsorted waste sent for disposal is more than 0.16 kg/overnight stay.	0.9	1.1	1.0
It should be taken into account that this is a holiday hotel with a very high percentage of customers on an all-inclusive basis, therefore, it is not comparable to urban or holiday hotels without this package.			

**GENERATION OF NOISE**

A noise generation measurement was carried out in order to measure the impact of noise generated in the different areas of the establishment. Measurements will also be taken when important changes are made to the establishment, such as modifications to the facilities that could generate significant noise or vibrations. The data obtained in the measurement carried out in January 2019 by Excelencia Turística de Canarias were as follows:

Area analysed	Daytime dB(A)	Ref.	Night-time dB(A)	Ref.
Solarium pool area	Suitable	55	Suitable	45
Main entrance	Suitable	45	Suitable	30
<b>VALUES ABOVE THE LEGAL LIMIT</b>	<b>None</b>			
<b>COMMENTS:</b>	The sample complies with current legislation.			
<b>Legal reference used</b>	Municipal Noise and Vibrations Ordinance of the municipality of Arona.			

The activities carried out in the establishment do not generate significant noise or vibrations. The sources *a priori* are concentrated in entertainment activities.

### LAND USE IN RELATION TO BIODIVERSITY

Being an accommodation establishment located in a residential area, the main effect that the biodiversity indicators reflect is the occupation of land. The total land use is 16,847 m<sup>2</sup> and the total sealed area is 13,902 m<sup>2</sup>. The results of land use in m<sup>2</sup> per overnight stay are as follows:

m <sup>2</sup> /overnight stay	2021*	2022	2023
Total land use	0.30	0.10	0.09
Total sealed area	0.25	0.08	0.07

\*Data from August to December 2021.

The following forms of land use, which are covered by the EMAS Regulation in its Appendix IV, do not apply: total area on site oriented according to nature and total area off site oriented according to nature.

### PROTECTION OF BIODIVERSITY

In 2022, Hotel Marylanza Suites & Spa joined [‘El Primer Viaje’ \(The First Journey\)](#), an initiative to protect the Cory’s shearwater and other seabirds living on the Canary Islands.



Our commitment to sustainability has already led us to act in areas such as reducing atmospheric emissions, reducing waste and the consumption of water and chemical products, among others, and now we are also trying to intervene in one of the specific problems of biodiversity in our territory.

Every year, thousands of Cory’s shearwaters (*Calonectris diomedea borealis*), a protected species included on the List of Wildlife Species and in the Canary Islands Catalogue of Protected Species, and the most abundant in the Canary Islands, come to our territory to breed. They breed on cliffs, ravines and mid-altitude vegetation, and when the young have grown, their parents leave the nest and they must begin

their first flight towards their natural habitat, the sea. For their first journey, they are guided by the moon and the stars, and it is at that moment when the artificial lighting of our coasts causes them to become disorientated and they fall to the ground. They are seabirds and do not have the capacity to take flight from land, so they are exposed to other threats such as being hit by cars or predation.

## 11. COMMUNICATION

As an independent hotel we are particularly proud of our achievements in sustainability, although we believe that caring for our environment is a necessity and not a choice. We work proactively with all our partners to make sustainability a common feature of tourism, both at our destination and globally.

Hotel Marylanza Suites & Spa carries out both internal and external communication activities.

The establishment makes environmental information available to interested parties upon request.

The establishment's Social Responsibility Policy and Environmental Statement are published on the corporate website: [www.marylanza.com](http://www.marylanza.com). The Policy is also displayed at the hotel reception desk.

### External communication

Involving our customers in improving the environment is one of the priorities of the establishment's environmental management system. To this end, awareness-raising actions are carried out with the aim of raising awareness of the need to protect the environment and to achieve customer participation.



Since the implementation of the environmental management system, the establishment has carried out awareness-raising actions with the customer, some of which have already been mentioned in this document, among which we highlight the following:

- Informative posters encouraging customers to reduce the frequency of washing sheets and towels.
- Water saving stickers, placed in the bathrooms throughout the establishment, both with the aim of inviting the customer to collaborate with the environment.
- There is an option to separate glass in the kitchens of the rooms.
- Clean point in the swimming pool area to separate paper/cardboard, lightweight packaging and organic matter.



The subcontracting companies that carry out their activities, both inside and outside the establishment, have been informed about the following, among other things:

- Hotel Marylanza Suites & Spa has implemented the ISO 14001 Standard and the EMAS Regulation and, therefore, they must respect the environmental standards according to the values established by the latter.
- How to correctly manage hazardous and urban waste, using the containers installed for this purpose during the development of activities at our facilities.
- Some good practices to observe in the development of their activity.

The establishment maintains an open dialogue with interested parties to optimise collaboration and achieve synergies for the benefit of the environment. In this sense, communication channels are established with Arona Town Council and tourism and hotel associations (C.I.T., Ashotel, Excelencia Turística de Canarias), among others.

### **Internal communication**

Internally, priority is given to the participation of the hotel staff through departmental meetings, in which environmental issues are systematically included. There is an environmental committee of which employees from different departments are voluntary members and in which the works council is also involved. In order to draw up the documentation of the system and this Environmental Statement, the hotel staff actively participated through their respective departmental heads, who contributed their knowledge and suggestions to the Environmental Manager. Each manager is responsible for the environmental records related to their area, keeping them updated through a common server.

### **Training and awareness**

Proper environmental training and awareness-raising is essential for all the organisation's employees. To this end, annual training and awareness-raising activities are organised in this area, taking into account the positions they hold, with the aim of increasing their knowledge and achieving greater involvement in the establishment's environmental management system. All these activities are reflected in the Annual Training Programme.

Among the awareness-raising campaigns for the establishment's staff, we highlight the posters of good environmental practices displayed on the information panels in each department.



Most noteworthy environmental training and awareness-raising activities			
DATE	TRAINING ACTION	ENVIRONMENTAL ASPECT	AIMED AT
October 2022 and 2023	Protection of birds The Cory's Shearwater	Biodiversity	Core staff
May 2023	Visit to Tenerife Wildlife Recovery Centre	Biodiversity	Management and TS
March 2023	Light pollution	Biodiversity	Management
June 2022	Waste recycler	Generation of waste	Department heads

Micro-talks were also held with staff by the management on waste separation and environmental plans for the hotel's operations.

## 12. PARTICIPATION AND INVOLVEMENT OF WORKERS

In order to draw up the system documentation, the establishment's staff actively participated through their respective departmental heads, who contributed their knowledge and suggestions to the Environmental Manager. The Department Heads and the Environmental Committee have also collaborated in the preparation of this Environmental Statement.

Internally, priority is given to the participation of the hotel staff through departmental meetings, in which environmental issues are systematically included and in which the functioning of the management system is reviewed. There is also an environmental suggestions box available to staff.

## 13. HISTORY OF INTERNAL AND EXTERNAL AUDITS

- Internal audit conducted by the entity Excelencia Turística de Tenerife on 20 December 2021. External audit conducted by TÜV Rheinland on 21 and 22 February 2022.
- Internal audit conducted by the entity Excelencia Turística de Tenerife on 22 December 2022. External audit conducted by TÜV Rheinland on 30 and 31 January 2023.
- Internal audit conducted by the entity Excelencia Turística de Canarias on 3 January 2024. External audit conducted by TÜV Rheinland on 22 and 23 January 2024.

## 14. DEADLINE FOR THE NEXT ENVIRONMENTAL STATEMENT

The Environmental Statement will be reviewed and validated annually. The next Environmental Statement will be drawn up in January 2025, thus updating the Environmental Programme, the objectives and the most significant environmental aspects, with the possibility of corrections or modifications.



## 15. DETAILS OF THE ACCREDITED ENVIRONMENTAL STATEMENT VERIFIER

This document has been prepared by:

Inversiones Marylanza S.L.



Mr Fernando Josa  
Environmental Director and Manager



Mr Maikel Hernández  
Chairman of the Works  
Committee and Member of  
the Environmental  
Committee

The system has been verified and validated, in accordance with article 25, section 8, of Regulation 1221/2009, by:

Tüv Rheinland Iberica Inspection, Certification and Testing, S.A.  
Accredited Verifier No. (ES-V-0010)

