



ENVIRONMENTAL PERFORMANCE REPORT

2021

SUMMARY

1. COMPANY DESCRIPTION
2. ENVIRONMENTAL ASPECTS
3. ENVIRONMENTAL INDICATORS
4. ENVIRONMENTAL TARGETS
5. LEGAL REQUIREMENTS ASSESSMENT
6. WASTE MANAGEMENT
7. ENVIRONMENTAL ACCIDENTS AND EMERGENCIES

1. COMPANY DESCRIPTION

C. & G. CARANDINI, S.A. is a Spanish company founded in 1919.

Since its foundation, it has specialised in the design and manufacture of luminaires for all kinds of lighting applications.

Throughout its history, C. & G. CARANDINI, S.A. has produced luminaires to the highest specifications, standards and quality requirements for use in environments as exacting as nuclear installations, and has been a pioneer in the application of management systems to its production processes.

Quality has always been a guiding principle in the everyday activity of C. & G. CARANDINI, S.A., and in recent years the company has expanded its quality concerns to take in new areas such as the environment and occupational health and safety.

In an endeavour to improve quality in every aspect of its activity, including the protection of the environment and the health and safety of its employees and all who come into contact with the company, the General Management of C. & G. CARANDINI, S.A. implements an integrated management system based on the following standards:

ISO 9001:2015 - Quality Management Systems

ISO 14001:2015 - Environmental Management Systems

OHSAS 18001:2007 - Occupational Health and Safety Management Systems

2. ENVIRONMENTAL ASPECTS

The environmental aspects identified as "significant" for 2021 are the following:

ACTIVITY	SIGNIFICANT ASPECTS	
	CONDITIONS	
	NORMAL/ABNORMAL	EMERGENCY
Manufacture of luminaires	Silicone packaging	None
Offices	None	None

No significant aspects in emergency conditions have been identified.

Product-related environmental aspects identified as significant in 2021 are the following:

PROJECT	SIGNIFICANT ASPECTS Materials	SIGNIFICANT ASPECTS Use	SIGNIFICANT ASPECTS Recycling
VMAX V1 luminaire	Luminaire body Electrical control gear LED driver	None	None
TMAX L064 GBOX luminaire	Luminaire body GBOX body	None	None
CITY MAX luminaire 2 exterior PCB	Luminaire body Electrical control gear LED driver	None	None
CENTURY luminaire	Luminaire body Electrical control gear LED driver	None	None
MIKOS M luminaire	Luminaire body and bracket	None	None
MIKOS S luminaire	Luminaire body and bracket	None	None
SPIN M luminaire	Luminaire body and bracket	None	None
SPIN S luminaire	Luminaire body and bracket	None	None
VEKA L luminaire	Luminaire body Electrical control gear LED driver	None	None
VEKA M luminaire	Luminaire body Electrical control gear LED driver	None	None
VEKA S luminaire	Luminaire body Electrical control gear LED driver	None	None
VEKA N luminaire	Luminaire body Electrical control gear LED driver	None	None

No significant aspects in use and recycling have been identified.

3. ENVIRONMENTAL INDICATORS

The indicators defined for 2021, and the results obtained for each, are:

INDICATOR	UNIT	TARGET		RESULT
Electricity consumption	kWh/units produced	≤ previous year	4.33	4.31

Water consumption	m ³ /no. of employees	≤ 7 m ³ /employee	7	3.75
Generation of hazardous waste	kg/unit produced	≤ previous year	0.0061	0.0069
Generation of cardboard/paper waste	kg/unit produced	5% less	0.315	0.409
Generation of glass waste	kg/unit produced	≤ previous year	0.0126	0.017
Generation of plastic waste	kg/unit produced	≤ previous year	0.08	0.076
Generation of aluminium waste	kg/unit produced	≤ previous year	0.015	0.094
Generation of scrap metal waste	kg/unit produced	≤ previous year	0.015	1.288
Generation of electrical and electronic equipment waste	kg/unit produced	5% less	0.007	0.036
Generation of silicone packaging waste	kg/unit produced	5% less	0.0013	0.0016
Use of liquid silicone	units/units produced	5% less	2.35	2.55
CO ₂ emissions	tonnes	≤ previous year	44.53	52.09

Most indicators have fallen short of their targets. This is due to exceptional circumstances, as in 2021 we relocated our production facilities which led to increased waste generation following clearance of obsolete stock.

4. ENVIRONMENTAL TARGETS

The environmental targets set for 2021, and the degree to which these targets were met, are:

No.	GOAL	DEGREE OF COMPLIANCE
MA/01	Waste generation was reduced by 5% over 2020 (kg/unit produced)	Target not met The disposal of moulds for discontinued and obsolete products due to relocation to new facilities led to increased waste.
MA/02	5% reduction in consumption of liquid silicone used in products relative to 2020 (ml/unit produced)	Target not met Larger number of units produced led to an increase.

5. LEGAL REQUIREMENTS ASSESSMENT

The latest assessment of legal requirements has identified 184 applicable requirements. These requirements can be divided into groups as shown in the following table:

GROUP	COMPLIANCE VERIFIED	VERIFICATION UNDERWAY	NOT COMPLIANT	NOT APPLICABLE	TOTAL
Activities	10	0	0	5	16
Water	24	0	0	5	29
Atmosphere	11	0	0	16	27
Waste	29	0	0	5	34
Industrial safety	56	0	0	18	74
Substances	4	0	0	0	4
	135	0	0	49	184

100% of requirements were met, taking both obligatory (73.4%) and non-applicable (26.6%) requirements into account.

6. WASTE MANAGEMENT

The following types of waste were disposed of via authorized waste management bodies in 2021:

WASTE	TYPE	QUANTITY (kg)	TREATMENT
Cardboard/paper	Non-hazardous	19,760	V11/R0306
Plastic	Non-hazardous	3,680	V12/R0306
Aluminium	Non-hazardous	4,520	V41/R1201
Scrap	Non-hazardous	9,682	V41/R1201
Electronic gear	Non-hazardous	1,620	T62/R1203
Common waste	Non-hazardous	4,320	T62/D1501
Wood	Non-hazardous	46,980	V15/R0306
Glass	Non-hazardous	820	V14/R0503
Silicone packaging	Hazardous	75	T62/R1303
Lamps	Hazardous	12	T62/D1501
Empty aerosol cans	Hazardous	6	T62/D1001
Water	Hazardous	120	T62/D0901
Batteries	Hazardous	10	V44/R0406

7. ENVIRONMENTAL ACCIDENTS AND EMERGENCIES

No environmental accidents or emergency situations occurred in 2021.