



ENVIRONMENTAL DECLARATION

2023

VAL D'IZÉ SITE
(Ille et Vilaine, France)

Kwizda

Agro

2023 DECLARATION

According to REGULATION (EC) No 1221/2009 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 25 November 2009 on the voluntary participation by organizations in an EU Eco-Management and Audit Scheme (EMAS), repealing Regulation (EC) No 761/2001 and Commission Decisions 2001/681/EC and 2006/193/EC, amended by REGULATION (EU) 2017/1505 OF THE COMMISSION of 28 August 2017 amending Annexes I, II and III to Regulation (EC) No 1221/2009 of the European Parliament and of the Council on the voluntary participation by organizations in an EU Eco-Management and Audit Scheme (EMAS), REGULATION (EU) 2018/2026 OF THE COMMISSION of 19 December 2018 amending Annex IV to Regulation (EC) No 1221/2009 of the European Parliament and of the Council on the voluntary participation by organizations in an EU Eco-Management and Audit Scheme (EMAS).

Kwizda France
Val d'Izé Site
ZA du Bourgneuf
Route de Dourdain
35450 Val d'Izé

N.A.F. Code: 4675Z
Declaration period: 2022

INTRODUCTION

This environmental declaration is published as part of the EMAS registration for the Biocides branch of Kwizda. In line with the group's sustainable development policy, we undertake to protect the environment and continuously improve environmental performances for our activities.

This declaration covers the information on the factory performance and the most significant impacts for 2022.

TABLE OF CONTENTS

06 The Company

08 Kwizda GmbH

09 Kwizda France - Val d'Izé Site Description

10 Our Key Numbers

11 Our Products

11 ICPE Status

12 Environmental Policy

14 Our Integrated Management System

15 Kwizda France Biocides QHSE Policy

16 Life Cycle and Environmental Aspects

18 Our Life Cycle Analysis

19 Our Environmental Analysis

20 Environmental Performance Data and Base Indicators

22 Energy Consumption

24 Rational Use of Raw Materials

25 Water Consumption

26 Waste management

27 "Biodiversity" Indicator

28 Air Emissions

29 Finished Products

30 Environmental Performance

32 2022 Program

34 Environmental Objectives 2023 Program

36 Applicable Legal Requirements in Environmental Matters

38 Environmental Declaration Validation

THE COMPANY

WE MEET THE REQUIREMENTS OF OUR CLIENTS
BY PRODUCING HIGH QUALITY, SAFE AND
ENVIRONMENTALLY FRIENDLY PRODUCTS



Kwizda
France

KWIZDA GROUP

The Kwizda group is an Austrian family-owned business that was founded in 1853. It has a turnover of 1,28 billion euros and 1649 employees.

Since the 1990s, the group has focused on increasing its European presence outside Austria, hereby covering the European market (France, Italy, Germany, Spain) and extending both its site operations and its distribution channels in Hungary, Italy and Romania.

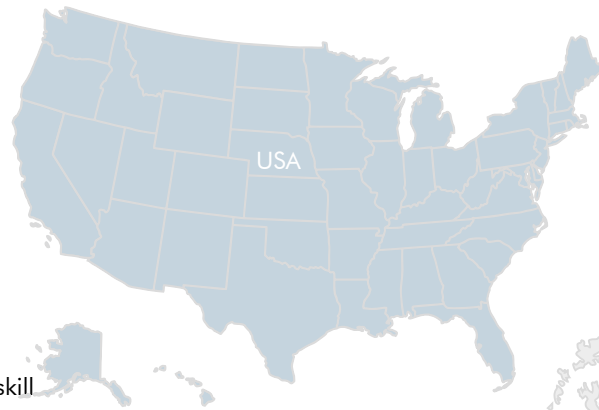
Kwizda group is one of the leading Austrian distributors of pharmaceutical and phytosanitary products.

To complete its activities, the group decided to create Kwizda France, a Biocides skill center in France.

In 1994, Kwizda acquired a small French company specialized in biocides.

The activity grew considerably during the first few years. Currently, its headquarters in Versailles and its Val d'Izé production site employs 44 fulltime personnel, as well as a few temp agency workers for its annual production.

Our company, which is active in 37 countries, has based its strategy on supporting active biocide materials, the development of innovating insecticide formulations and the creation of strong commercial partnerships with quality distributors to cover the European market. Our main role is to offer our clients essential sets of key skills (regulatory, marketing, production, research and development) to convert the market's constraints into strengths.



KWIZDA FRANCE - VAL D'IZÉ SITE DESCRIPTION

Kwizda France is the Kwizda group skill center for Biocide activities in Europe.

The Val d'izé plant, located in Brittany, receives formulations produced in Leobendorf (Kwizda Agro) and processes product de-concentration, packaging and packing. This flexibility means we can propose new packaging adapted to client requests.

The scope of the environmental management system covers the activities on the Val d'izé production site and those of its employees.

With 27 people on site on 12/31/2022, production was 662 tons for €16,7M of sales for Kwizda Agro I Biocides.



OUR KEY FIGURES

GENERAL INFORMATION

Turn over
16,7M €

Kwizda France	Company name
S.A.S.	Legal form
12 Parvis Colonel Arnaud Beltrame CS 10933 78000 Versailles cedex - FRANCE	Office
ZA de Bourgneuf, Rte de Dourdan, 35450 Val d'Izé	Production site
394 788 582 00010	Siret no. (Corporate ID)
4675Z	Activity code

THE PLANT IS LOCATED IN VAL D'IZÉ

Lot Area
13.694 m²

2 750 m²	Paved surface area (parking lots + unloading area)
3.200 m²	Built surface area
1.211 m²	Production area (production lines, laboratory, maintenance...)
1.480 m²	Storage warehouse (RM + finished products)
233 m²	Administration (Offices, meeting room...)
80 m²	Staff premises
270 m²	Docks, shipping
508 m²	Mezzanine

OUR KWIZDA AGRO | BIOCIDES STAFF

Val d'Izé
27
people
under contract

12	Production
4	Supply Chain
1	Finance / Accounting
3	Quality
2	Maintenance
1	Management
1	Production scheduling
2	Warehouse
1	Controller
15	Temp workers (seasonal)

Versailles
3
people

2	Finance / Accounting
2	Regulatory Affairs

Other
geographical
locations
11
people

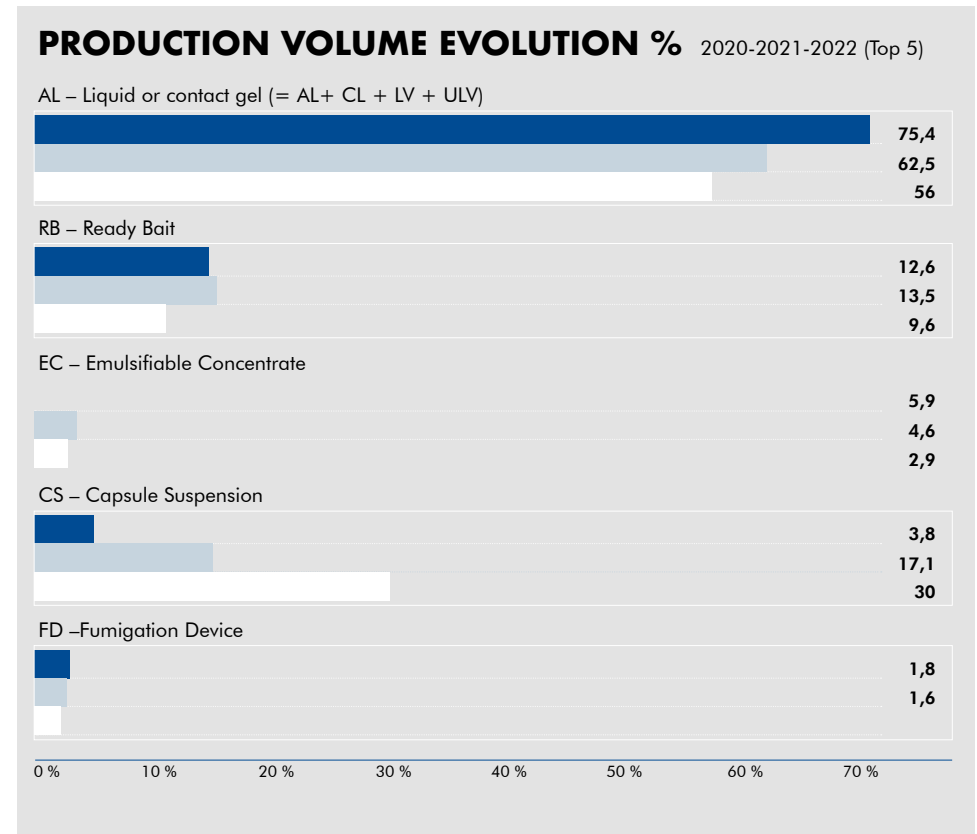
1	Management
2	Regulatory Affairs
2	Product Management
6	Sales

OUR PRODUCTS

We pack non-agricultural pest treatment products to combat ants, flies, cockroaches, mosquitoes, termites, etc.

Our products are distributed in different formats:

PRODUCT FAMILY	2020 (%)	2021 (%)	2022 (%)
AL – Liquid or contact gel (= AL+ CL + LV + ULV)	75,4	62,5	56,0
RB – Ready Bait	12,6	13,5	9,6
EC – Emulsifiable Concentrate	5,9	4,6	2,9
CS – Capsule Suspension	3,8	17,1	30,0
FD – Fumigation Device	1,73	1,6	1,4
MEC – Micro Emulsion Concentrate	0,4	-	-
*PA - Paste	0,04	0,68	0,28



■ Menge (t) 2020 ■ Menge (t) 2021 ■ Menge (t) 2022

ICPE STATUS

Our plant has a reporting obligation as per Article 4510 „Hazardous to the aquatic environment, acute category 1 or chronic category 1“ (French Decree 2014-285)

The total quantity likely to be present at the facility being:

Greater than or equal to 20 T but less than 100 T (DC) The quantity present on our site is about 54 tons.

Periodic ICPE inspection in 2022.

ENVIRONMENTAL POLICY

WE BELIEVE THAT RISK MANAGEMENT IS AN ESSENTIAL CORPORATE MANAGEMENT TOOL THAT PREVENTS ERRORS IN ALL ASPECTS OF OUR ACTIVITY.

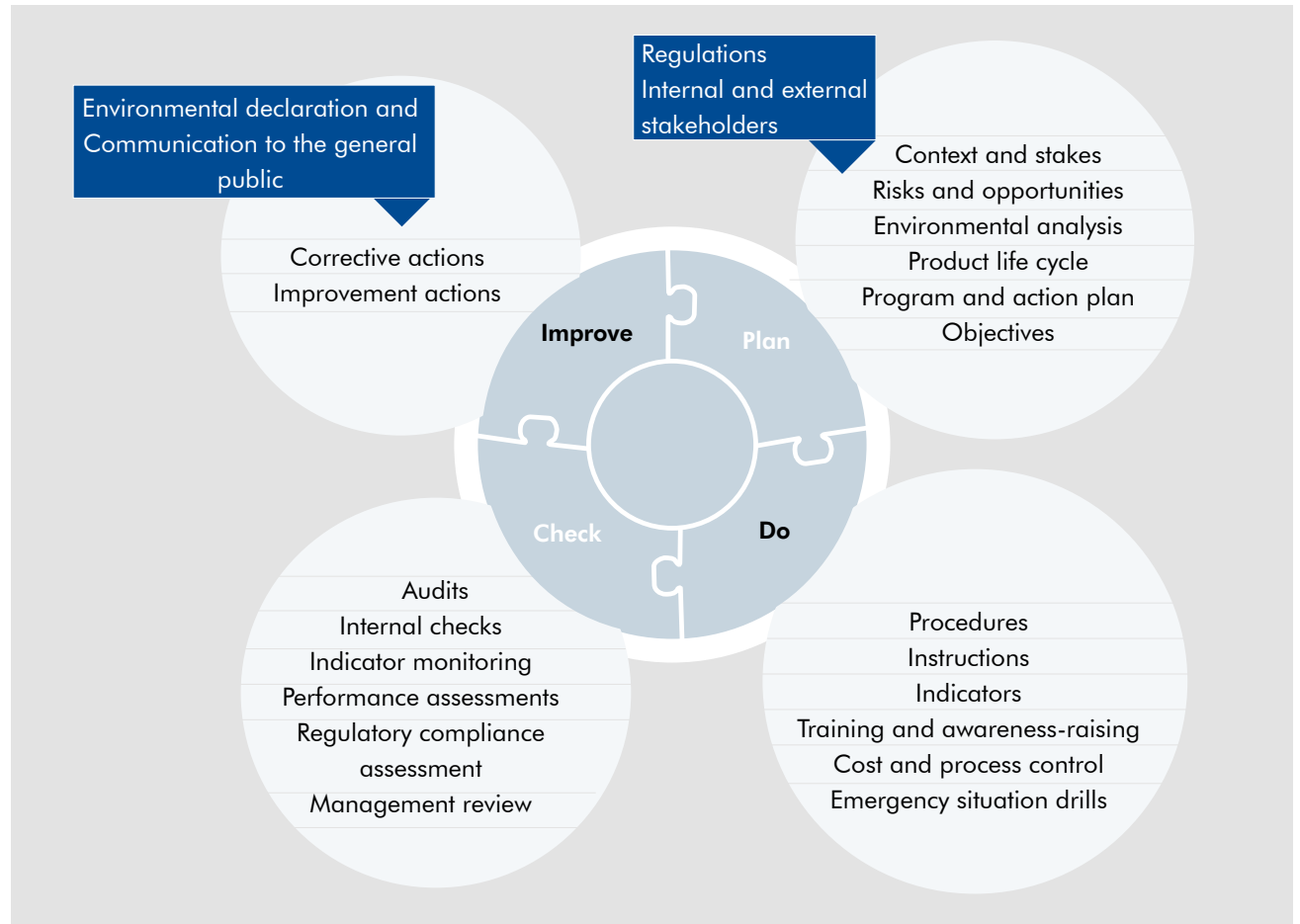


ENVIRONMENTAL POLICY

OUR INTEGRATED MANAGEMENT SYSTEM

The purpose of our integrated management system (IMS) is to convert company policy objectives into suitable methods, procedures and processes, including the corresponding documentation, while taking all applicable regulations and standards into account (ISO 9001, ISO 14001, EMAS, ISO 45001).

Our two environmental certifications are proof of our commitment to working as harmoniously as possible in the planet's ecosystems. We are therefore part of the select club of European businesses to have obtained EMAS registration after having met its excellence requirements.



WE ESTABLISH THE FOLLOWING PRINCIPLES FOR OUR CORPORATE POLICY:

Long-term and responsible corporate action represents an essential part of our corporate philosophy, which is why we establish the following principles for our corporate policy:



We meet customer requirements
We produce high quality products
We guarantee environmentally friendly production



We communicate with our external stakeholders on an ongoing basis.
We ensure legal compliance



We create long-term jobs. We offer further training and optimal framework conditions for the development of our employees.
Through regular training we increase the safety and environmental awareness of our employees, and together we focus on focus on accident prevention.



We use our integrated management systems to continuously improve our performance in the areas of quality, environment and safety



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Through regular training we increase the safety and environmental awareness of our employees, and together we focus on focus on accident prevention.

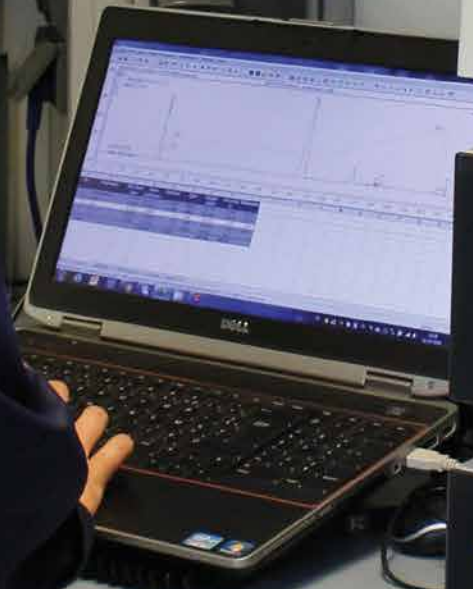


We strive for long-term partnerships and maintain a transparent approach to our stakeholders.
We act responsibly and see ourselves as their reliable partner.

LIFE CYCLE AND ENVIRONMENTAL ASPECTS

AN ENVIRONMENTAL AND A LIFE CYCLE ANALYSIS WERE CARRIED OUT TO IDENTIFY THE MOST SIGNIFICANT ENVIRONMENTAL IMPACTS, AND TO WORK ON REDUCING THEM.

Kwizda
Biocides



LIFE CYCLE AND ENVIRONMENTAL ASPECTS

OUR LIFE CYCLE ANALYSIS

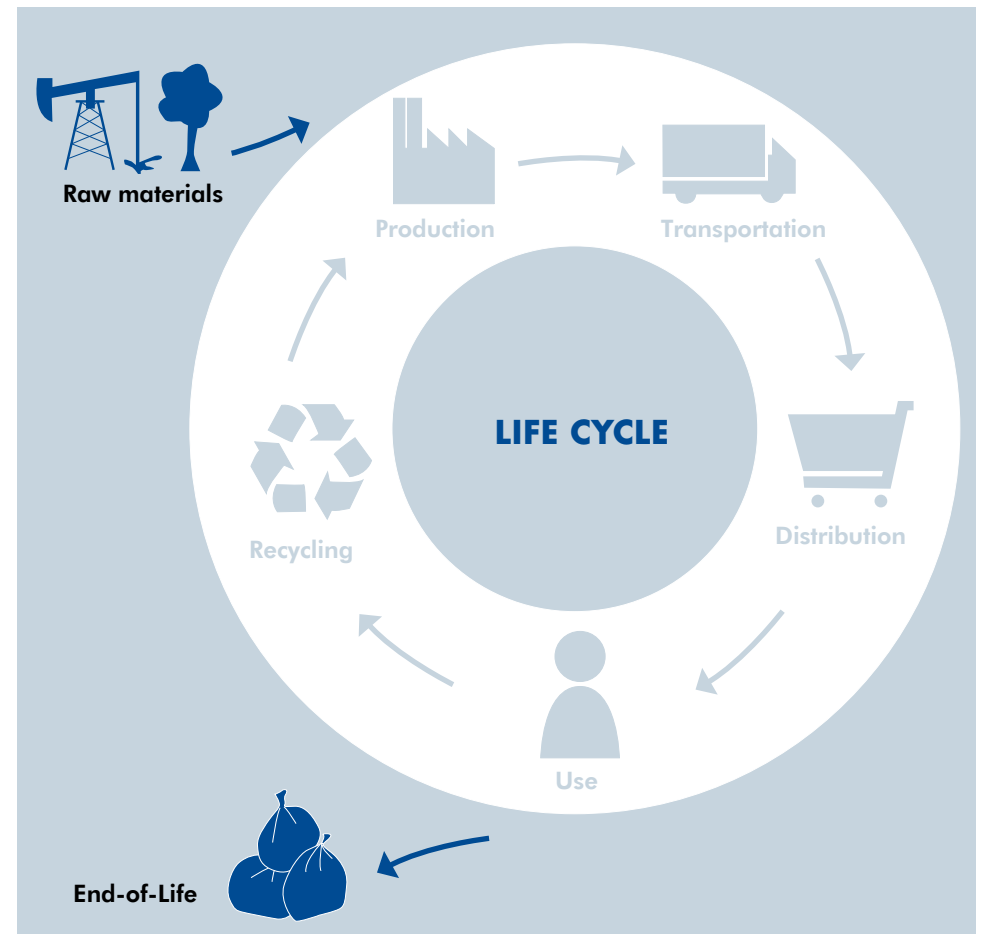
We have identified and determined our priority actions to act more effectively in reducing the most significant environmental impacts, leading us to carry out product life cycle analyses.

Our scope of influence extends from our raw material suppliers through to our end users via our distributors.

We mainly work with regional suppliers that have implemented environmental management systems and have proven their environmental engagement (ISO 14001, PEFC, FSC, EMAS, etc.).

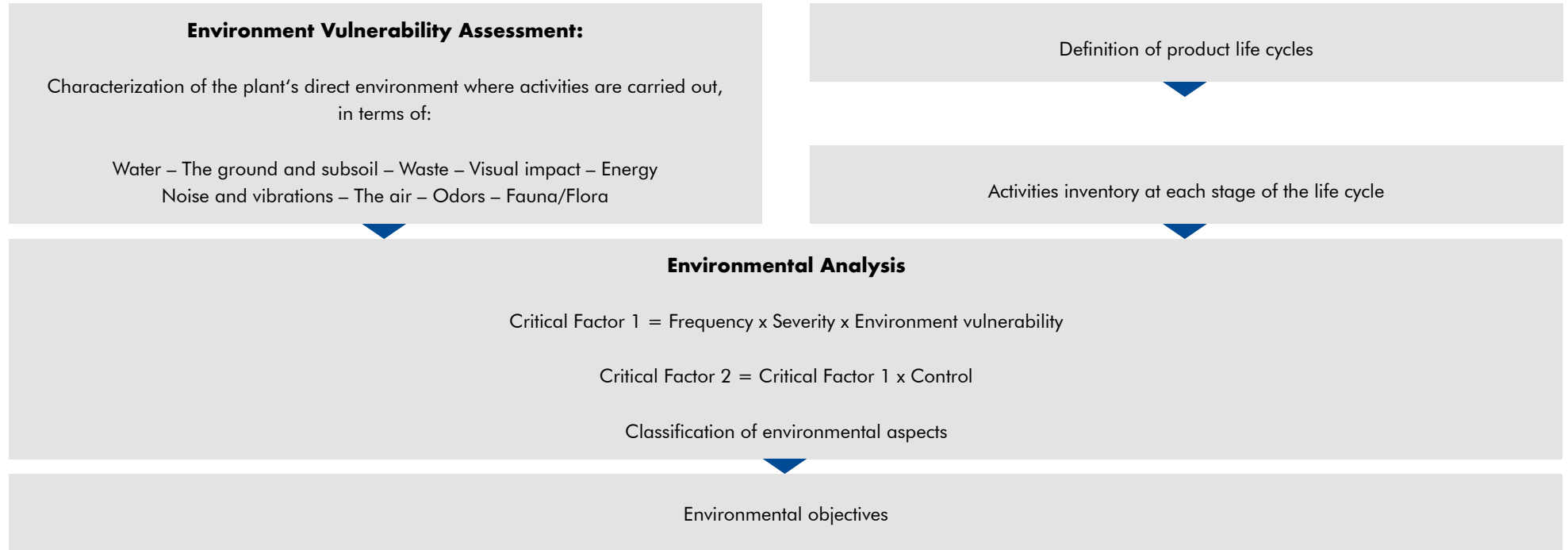
We have developed more environmentally-friendly packaging by offering our clients packaging fully made with cardboard instead of plastic. Together with our partner suppliers, we have developed a type of composite plastic containing minerals, thereby reducing the proportion of plastic. We are pursuing our approach by researching materials that are more environmentally-friendly.

We support our distributor partners by reducing product labels and clearly showing packaging recycling requirements to raise end-consumer awareness.



OUR ENVIRONMENTAL ANALYSIS

METHOD:



USING THIS ANALYSIS, WE WERE ABLE TO IDENTIFY THE FOLLOWING SIGNIFICANT ENVIRONMENTAL ASPECTS (SEA) (LOW AND MODERATE GRADIENTS):

- Indirect: Depletion of resources linked to the production of plastic packaging
- Indirect: Pollution risks resulting from a fire (subcontractor)
- Direct: Pollution risks resulting from a fire (site)
- Direct: Production of hazardous waste
- Indirect: Pollution of fauna and flora due to spraying with our products.
- Indirect: Waste production by our product users.
- Indirect: Ground pollution due to the disposal of our products in landfills at their end-of-life.

Our general environmental objectives are described in our QHSE policy and are broken down into measurable, quantifiable aims. These are monitored and analyzed in process reviews.

DATA ON ENVIRONMENTAL PERFORMANCE AND BASE INDICATORS

WORKING RESPONSIBLY AND FOR THE
LONG-TERM IS ONE OF THE CORNERSTONES
OF OUR COMPANY PHILOSOPHY.



ENVIRONMENTAL PERFORMANCE DATA AND BASE INDICATORS

ENERGY CONSUMPTION

Objective: To limit the consumption of natural resources

MEANS:

Implementation of best practices to limit heat losses, thereby reducing gas consumption.
Implementation of best practices to limit electricity consumption (e.g. switching off unnecessary lighting during daytime).
Installation of more energy-efficient equipment.

RESULTS: consumption monitoring.

ENERGY TYPE	CONSUM 2020	2020 RATIO CONSUMPTION/MANUFACTURED PRODUCTS (KWH/KG)	CONSUM 2021	2021 RATIO CONSUMPTION/MANUFACTURED PRODUCTS (KWH/KG)	CONSUM 2022	2022 RATIO CONSUMPTION/MANUFACTURED PRODUCTS (KWH/KG)
Gas (kWh)	211 712	0.48	215 210	0.49	207 036	0.47
Electricity (kWh)	221 992	0.50	274 533	0.50	269 683	0.61
TOTAL (kWh)	463 634	0.98	489 743	1.01	476 719	1.08

Gas consumption based on the UDD* (Rennes Saint Jacques de la Lande): gas mainly being used to heat buildings; consumption varies yearly => results are directly linked to climate conditions.

No significative difference of gas consumption between 2020, 2021 and 2022. the Gas tank has been refilled in early 2022 january after consumption of end december 2021. Same between January 2023 and December 2022.

No significative difference of electricity consumption between 2021 and 2022. Electricity consumption was a bit lower in 2020 due to activity slow down related to COVID-19 situation.

In november 2022, a brand new filling and packaging production line has been implemented in the workshop. This new line is twice faster than the former one, reducing the time of production per unit, sparing energy.

*Unified Degree Day (UDD) is the difference between the outside temperature and a reference temperature. It is used to estimate the thermal energy consumption needed to maintain a comfortable temperature inside buildings, based on the severity of a particular winter or summer. The usual reference is 18°C (65°F).

In 2021 and 2022, gas consumption remained stable.

Weather conditions around Rennes were similar to the previous year.

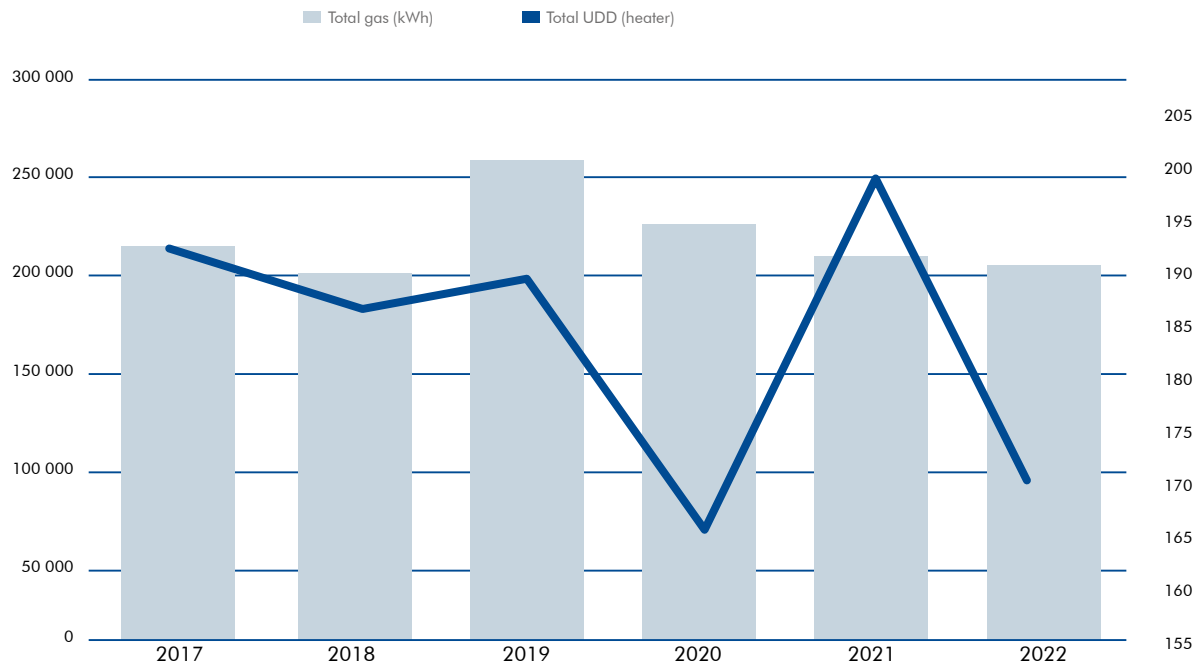
Actions completed in 20210:

- Replacement of the warehouse roof insulation membrane
- Replacement of the warehouse skylights

Actions scheduled for 2022:

- Skylights were cleaned to optimize light inside the building.

GAS CONSUMPTION / AVERAGE UDD



RATIONAL USE OF RAW MATERIALS

Objective: To limit raw material consumption. To develop more “ecological” products for our clients.

Means: Raw material consumption is monitored and analyzed to reduce losses to a minimum.

Purchases use the just-in-time method to avoid losses and idle inventory.

The different departments focus their projects on more environmentally-friendly products and on reducing packaging and over-packaging weight.

Results: Purchase of raw materials

TYPE	2020 QTY	RATIO 2020 QTY/ PRODUCTION RATIO (KG)	2021 QTY	RATIO 2021 QTY/ PRODUCTION (KG)	2022 QTY	RATIO 2022 QTY/ PRODUCTION (KG)
Plastic film (blister in m ²)	0 Reference discontinued	0	0	0	0	0
*Metal packaging (drums, caps, etc., in units)	123 077	0,28	99 250	0,2	583 933	0,9 ▲
**Plastic packaging (BF, syringes, jars, bottles, etc., in units)	17 748 451	40,09	20 422 043	42,2	19 182 007	29,0 ▼
Labels (in units)	12 258 036	27,69	16 570 124	34,2	14 910 637	22,5 ▼
Boxes (individual boxes, small boxes, boxes, etc.. in units)	3 141 284	7,09	3 277 863	6,8	4 577 077	6,9 ▲
Active materials (in kg)	11 693	0,082	60 259	0,125	77 100	0,116 ▼
Excipients (in kg)	68 034	0,1	117 277	0,24	108 073	0,16 ▼
*Cottons (in units)	1 728 000	3,90	2 592 000	5,4	2 592 000	3,90 ▼

An increase of metal packaging is observed in 2022 is not significant, due to the purchase of 250 kg of Aluminium caps (500 000 units) to seal fumigators bowls.

The quantity of plastic packaging bought is quite stable, even if the ratio Quantity versus total volume is lowering. This is due to product mix change , more bottles and less bait station produced.

From September 2022, Baitboxes in PS (polystyren) are mostly replaced by new hybrid plastic material specially developed in Poly propylen + mineral . This eco-conceiving allows to spare 40% of plastic material in each boxe produced and also improves the safety and conservation of the formulation.

WATER CONSUMPTION

Objective: to limit the consumption of natural resources.

Means: Maintain best practices to limit water losses.

In 2018, a dedicated water meter was installed to manage the balance between production and consumption of water.

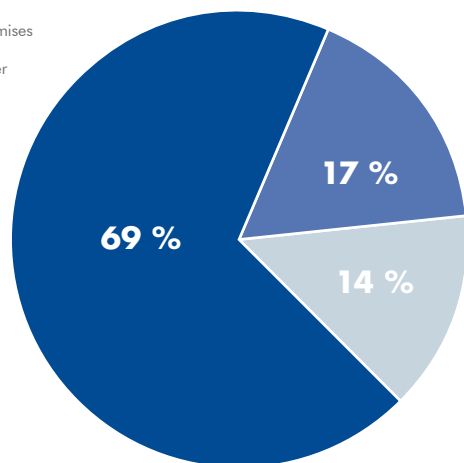
Results:

	2020	2021	2022
Total Produced Weight VI (kg)	442 753	483 877	662 042
Total quantity of water used (Kg) A + B	580 000	515 000	873 000
A.) Quantity of sanitary water (kg)	158 000	134 000	147 000
B.) Quantity of plant production water (kg) including:	422 000	381 000	726 000
1) Quantity of process water by calculation (kg)	306 220	291 640	601 800
2) Quantity of waste water (cleaning) (kg)	130 360	124 920	124 200

The water used at our plant comes from the Pays de Vitré community. We have found that our water consumption is very limited. Our use of natural resources is therefore low. Variations of volumes of process water (water as ingredient) are due to the type of product manufactured. The implementation of water osmosis device for specific type of formulation is also impacting the quantity of water rejected. The less concentrate is the product, the higher is the water content. The quantity of waste water (water used in cleaning process) is stable over years.

DISTRIBUTION OF WATER CONSUMED IN 2022 (T)

- Formulation
- Sanitary / staff premises
- Plant cleaning water



RATIO	2020	2021	2022
Total water kg/formulation kg ratio	1,31	1,06	1,32
Sanitary water kg/formulation kg ratio	0,36	0,28	0,22
Production water kg/formulation kg ratio	0,66	0,53	0,91
Cleaning water kg/formulation kg ratio (waste water, pumped waste)	0,29	0,26	0,19

A project dedicated to cleaning plastic drums using less water was launched in 2019. In the last quarter of 2020, the new dosing line supply system was implemented for thick gels. New devices fully implemented in 2022.

A decrease of ratio of cleaning water/quantity of formulation is indicating that new devices implemented combined to updated cleaning plan and work planification allows reduction of water usage

Objective: To limit environmental pollution.

Results: Hazardous Industrial Waste (HIW) - Nonhazardous waste (NHW)

Means: Waste sorting.

Raising staff awareness regarding the sorting of hazardous/non-hazardous waste. Improve management of components and ingredients stock. Reducing non conformity of products appearance. Managing the use of water in cleaning steps.

	2020 QUANTITY (T)	2020 QUANTITY (T) PRODUCTION (T)	2021 QUANTITY (T)	2021 QUANTITY (T) PRODUCTION (T)	2021 QUANTITY (T)	2022 QUANTITY (T) PRODUCTION (T)	
TOTAL INDUSTRIAL HAZARDOUS WASTE	156,4	0,353	162,3	0,335	155,5	0,235	▼
Waste water	117,8	0,266	132,8	0,274	133,1	0,201	▼
Solid Waste	24,5	0,055	8,1	0,017	14,5	0,022	▲
Empty packaging	14,1	0,032	1,5	0,003	3,3	0,005	▲
Others (expired or stopped formulation an in	0,0	0,000	19,9	0,041	4,6	0,007	▼
DEE (Electrical component waste)	0,0	0,000	-	-	-	-	
Ink jet waste	-	0,000	-	-	0,1	0,000	▲
TOTAL NON HAZARDOUS WASTE	49,2	0,362	52,4	0,108	58,3	0,086	▼
NON HAZARDOUS WASTE - not valorised	6,7	0,266	5,6	0,012	6,1	0,009	▼
Rolling containers	6,7	0,266	4,8	0,010	4,8	0,007	
Other waste	0,0	0,000	0,8	0,002	1,3	0,002	▼
NON HAZARDOUS WASTE - recycled	42,5	0,096	46,8	0,096	52,1	0,076	▼
Carton	35,2	0,080	40,3	0,083	39,4	0,059	▼
Metal	-	-	1,8	0,004	3,5	0,005	▲
Plastic	4,6	0,010	1,3	0,003	4,4	0,007	▲
Glassine	2,7	0,006	3,2	0,007	3,3	0,005	▼
Wood			-	-	1,5	0,002	▲
Sorting Error			0,2	0,000	0,7	0,001	▲
TOTAL PRODUCTION WASTE	205,6	0,715	214,7	0,443	213,7	0,321	▼

To limit cross-contamination, our waste water only comes from the cleaning of lines or equipment between each new production run. In 2020, the volume of evacuated waste water was higher than in previous years due to increased cleaning and reductions in the size of manufacturing orders, which also led to more frequent cleaning. The ratio of cleaning water used versus the quantity of products manufactured is continuously decreasing between 2020 and 2022. In total there was an decrease in the waste/production ratio.

Our waste policy focuses on reducing waste at the source to a minimum, sorting it, reusing it, recycling it or selling it. Our waste is sorted onsite during production and according to the approved processing or recycling sectors. Each time waste leaves the site it is subject to traceability using the waste register. To encourage reuse, some packaging waste is reutilized internally.

In 2019, blister type plastic waste from production stopped being recycled due to increasingly restrictive changes in the recycling sector. This waste is now included in the roller containers. In 2020, the production line that generated this blister waste was Stopped. From 2020 to 2022, cleaning procedures have been structured to be effective with less water. Also, the planification and extend of longer production permit to reduce the change of formulations, so the number of cleaning, reducing the use of water.

"BIODIVERSITY INDICATOR"

Objectives: To limit industrial risks and pollution.

Means: Reasonable weeding of unused land.
Reasoned plant development project.

Results:

LAND USE	2020	2021	2022
Land surface area (m ²)	13694*	13694	13694
Built surface area (m ²)	3200	3200	3200
Paved surface area (m ²)	2750	2750	2750
Green spaces (m ²)	7744	7744	7744
Ground occupation coefficient (built surface area / total surface area)	0,23	0,23	0,23
Green space occupation coefficient	0,57	0,57	0,57

The geographical area where we are located is reserved for industrial activity and is not a specific fauna and flora habitat.

It should be noted that our ground occupation coefficient, which is 0.23, is much lower than what is authorized by the Area Development Plan, which is 0.60 (Built surface area / Total surface area).

Following our environmental analysis and our regulatory monitoring, we have been able to verify that the impacts on biodiversity do not stand out as a significant environmental aspect in relation to all our activities.

The Biodiversity indicator has not reflected any significant changes despite the construction of a new parking lot to facilitate coactivity between goods transportation and changes in staff shifts.

* : The total lot area was updated in 2018 following new land registry readings.

** : Note that the built surface area in 2017 included the new staff premises and the first new parking lot, which are not considered built surface areas.

AIR EMISSIONS

Objectives: To limit industrial risks and environmental pollution.
To limit professional travel.

Means: Monitor air emissions.
Purchase of a video-conferencing system in 2018.
Update in 2020 of video conferencing software for all employees

Results:

EQUIPMENT TYPE	PARAMETERS	UNIT	LIMIT VALUES	2020 MEASURED VALUES	2021 MEASURED VALUES	2022 MEASURED VALUES
Furnace	CO	mg/m ³	100	0,00	0,00	0,00
	NO _x	mg/m ³	450	2,00	0,00	0,00
Fire-powered generator	CO	mg/m ³	100	0,00	0,00	0,00
	NO _x	mg/m ³	450	61,00	0,00	0,00

Production itself does not entail atmospheric emissions, only the furnaces release gases into the atmosphere.

Our furnaces only allow measuring the CO and NO_x values indicated in the table above.

Please note that our air emissions are well beneath the regulatory limit values.

FINISHED PRODUCTS

Objectives: To offer clients more environmentally-friendly products.

Means: Implementation of a new product catalog due to the standardization of certain packaging and formulations.

Development of new, more environmentally-friendly, packaging (use of bio-sourced and/or recycled plastics, currently under study).

Val d'Izé Production Results:

QUANTITY OF PRODUCTS PER FORMULATION	2017 (kg)	2018 (kg)	2019 (kg)	2020(kg)	2021(kg)	2022 (kg)
AL – Liquid or contact gel (= AL+ CL + LV + ULV)	567 219	355 425	378 404	333 737	302 220	370 503
CS – Capsule Suspension	8 459	64 181	21 417	16 669	82 876	198 343
EC – Emulsifiable Concentrate	42 076	112 717	50 524	26 127	22 031	19 060
FD – Fumigation Device	5 338	11 309	9 556	7 991	7 933	9 076
GB – Granular Bait	20 481	18 178	0	0	-	-
MEC – Micro Emulsion Concentrate	-	2 659	4 080	1 960	-	-
MG – Micro Granule	84 213	14 351	0	0	-	-
*PA – Paste	-	-	53,761	183	3 308	1 828
RB – Ready Bait	86 538	56 037	71 385	55 680	65 510	63 232
SC – Suspended Concentrate	288	10 266	648	0	-	-
SG – Water Soluble Granule	15 645	7 956	0	0	-	-
TOTAL	830 257	653 079	536 068	442 753	483 877	662 042

In 2022, big increase of liquid RTU products , on line with new investment (new line to fill bottles).

This is generating a significant impact on AL and CS products families. Espacially CS , which is related to a new biosourced liquid formulation (PYR 0,5 CS).

* : Following a new formulation launched in 2019, the table features a new category:

PA = Water-based, film-forming paste.

ENVIRONMENTAL PERFORMANCE

AT KWIZDA, WE CONSIDER THAT QUALITY, ECO-COMPATIBILITY AND THE CONNECTIONS WE HAVE WITH OTHERS ARE THE ESSENTIAL FACTORS FOR OUR SUCCESS.



Défaut SM-913
Défaut entrainement
surcharge (permanente)

La courroie cricée a été
nécessaire pour plus de
Tropes. Voir l'état de
du queue d'entraînement et de

1

QUEST
D1

ENVIRONMENTAL PERFORMANCE

2020 PROGRAM RESULTS

NO.	ENVIRONMENTAL OBJECTIVE	ACTIONS	2020 TARGET	RESULT	REMARKS	STATUS
1	Reduce the HIW derived from production	Continue with plant sorting. Reduce production rejects (see objective 6).	-1% per kg produced	+0.8% IHW compactor volume / produced volume	Reduce the size of MOs due to COVID (increased cleaning /MO / ratios)	Carried over to 2021
2	Reduce the NHW derived from production	Continue with plant sorting. Search for a recovery channel for certain NHW.	-1% per kg produced	0.0015% in 2020 vs. 0.0018% in 2019	Indicator not relevant	To be reassessed for 2021
3	Reduce our sale of 100% plastic packaging	Development of a new packaging (cardboard/plastic) with the purchase of a new ETPack machine in 2017. None of the 100% plastic packaging should be sold in 2020.	100% (vs2017)	Complete (except containers)	The 100% blister line has been shut down	Done
4	Eliminate plastic cups on site	Stop buying plastic cups and use our existing stocks.	100%	Complete	Cardboard cups	Done
5	Reduce electricity consumption	In 2019, switch to LED lighting for administration and production. Measurable effect in 2020.	Depending on installed models	N/A	Not measurable given the electricity meter is not separate from the machine and several pieces of equipment items were replaced.	Use a kwh/h machine monitor in 2021

NO.	ENVIRONMENTAL OBJECTIVE	ACTIONS	2020 TARGET	RESULT	REMARKS	STATUS
6	Reduce our water consumption	Find a new drum cleaning process that uses less water.	-80% per wash cycle	Ongoing	Changes in formulation dosage and storage technology	Done
7	Integrate subcontracting activities and different types of suppliers in the life cycle and environmental analysis	Update the life cycle and environmental analysis. Aim to include this approach with the launch of the hygiene approach started in 2020. The group is considering the management of subcontractors not located in Val d'Isère.	NA	Complete	Full study update in 2021	Done
8	Analyze the environmental impact of our suppliers (SEA 14 to 22)	Check that all our suppliers (materials, components and services) have an environmental policy	NA	Complete	Full study update in 2021	Done
9	Increase the proportion of recycled materials	Find a new material with at least 40% bio-sourced and/or recycled plastic for our main packaging (small bait box)	+40%	Complete	Validated material, mold undergoing development, first delivery in 11/2021	Done
10	Use of „Organic“ active materials	Improve our formulations by replacing our current active materials by greener active materials	NA		R&D	Objective for 2025

ENVIRONMENTAL OBJECTIVES 2022 PROGRAM

The 2022 environmental objectives are based on a quantitative assessment of the environmental aspects obtained from the environment and context analyses.

SOURCE	AXIS 2020 - 2022	STRATEGIC AXIX INDICATORS	2022 TARGET	RESULTS 2022	COMMENTS
MR 2022/ EMAS	AXIX 5 - Environment Reduce the volume of our waste by looking for new sources of recycling	Not Dangerous waste DND waste reduction Monitoring of industrial waste	$\leq 0,00341 \text{ t}$ DND/machineh $\leq 0,11 \text{ t}$ DND/Total QTY VI (t)	0,00344 t DND/machineh $\leq 0,08 \text{ t}$ DND/Total QTY VI (t)	2020: 14964,4 machineh 2021: 16109 machineh 2022: 16149 machineh Rolling box (ultimate waste): 4,80 t (=) Carton compactor 42,45 t (+1,91 t) Exceptionnal shipment 8,1 t (-2,75 t) Total waste prod 2020*: 36,92t (2,47 kg/machineh) Total waste prod 2021*: 45,34t (2,81 kg/machineh) Total waste prod 2022*: 47,25t (2,93 kg/machineh) Minor evolution between previous year due to mix product variation (transport packaging type) NOT SIGNIFICATIVE
MR 2022/ EMAS		Dangeroous waste DID waste reduction Monitoring of industrial waste	$\leq 0,01 \text{ t}$ DND/machineh $\leq 0,33 \text{ t}$ DND/Total QTY VI (t)	0,00959 t DID/machineh 0,23 t DND/Total QTY VI (t)	DID Compactor Solid waste: 14,46 t (+6,34 t) DID liquid: 133,12 t (+8,35 t) DID exceptional shipment (OFFprod): 7,67 t (-14,17 t) Total DID waste prod 2020*: 133,43 t (8,916 kg/machineh) Total DID waste prod 2021*: 132,99 t (8,256 kg/machineh) Total DID waste prod 2022*: 147,58 t (9,160 kg/machineh) Minor evolution between previous year dur to mix product variation (cleaning process)

* : Without exceptional shipment

SOURCE	AXIS 2020 - 2022	STRATEGIC AXIX INDICATORS	2022 TARGET	RESULTS 2022	COMMENTS
MR 2022		Increase use of recycled and/or biosourced plastic material (= „green“)	-	done baitboxe PP + taic	Homologation of new plastic material with a minimum of 40% of „taic“ on the new box.
MR 2022/ EMAS		Reduce our electriciry consumption	Reduce electric consumption Study of pertinence and feasibility to put meters on each lines separated to follow electricity consumption	269683 kWh (-9013 kWh versus n-1)	2020 = 221922 kWh 14,83 kWh/machineh 2021 = 278696 kWh 17,3 kWh/machineh 2022 = 269683 kWh 16,74 kWh/machineh
MR 2022		Green energy sourcing	Study the implementation photovoltaic on the parking	postponed 2024	become mandatory in 2028
MR 2022/ EMAS	AXIX 6 - Environment Preserve natural resources	Reduce our water consumption on drums cleaning process	Implement on Line Ant #2	done new module in place drum washer - end of use	Launch of an alternative solution of internal packaging to reduce water during cleaning process of drums used for gel storage. - Stop the use of müller drums - Order a second feeding system
		Improvement of safety management at external warehouse subcontractor		Visit at Logistic service provider by logistics coordinator in 12/2022	
		Increase storage safety of dangerous products vaporisation in case of fire	Study of fire proof closets for DMA Study of waterbag implementaion	DMA is now in fireproof closets Study on water bag postpone in 2023	
EMAS 2021		Increase the partition of recycled matter in non recyclable packaging (DDS)	40 %	done	Find a new material comprising at least 40 % biosourced and/or recycled plastic, for our main packaging (small bait bos). to Launch of the 60 mm box with PP/taic plastic to Conversion of PS boxes to PP/taic
		Use of Organic active matter in formulations	N/A	Out of Val d'Izé scope	Improve our formulations by exchanging our current active ingredients with greener active ingredients.

The results of these objectives will be measurable in 2022 and will be the subject of an assessment in the 2023 Environmental declaration.

ENVIRONMENTAL OBJECTIVES 2023 PROGRAM

The 2023 environmental objectives are based on a quantitative assessment of the environmental aspects obtained from the environment and context analyses.

SOURCE	AXIS 2021 - 2023	STRATEGIC AXIX INDICATORS	2022 TARGET	RESULTS 2022	2023 TARGET	HOW
MR 2022/ EMAS	AXIX 5 - Environment Reduce the volume of our waste by looking for new sources of recycling	Not Dangerous waste DND waste reduction Monitoring of industrial waste	$\leq 0,00341 \text{ t}$ DND/machineh	0,00344 t DND/machineh	0,00344 t DND/machineh	Work with supply chain to reduce transport packaging quantity
MR 2022/ EMAS		Dangerous waste DID waste reduction Monitoring of industrial waste	$\leq 0,11 \text{ t DND/}$ Total QTY VI (t)	$\leq 0,08 \text{ t DND/}$ Total QTY VI (t)	$\leq 0,08 \text{ t DND/}$ Total QTY VI (t)	
			$\leq 0,01 \text{ t}$ DND/machineh	0,00959 t DID/machineh	0,00959 t DID/machineh	Reduce non conform products quantity
			$\leq 0,33 \text{ t DND/}$ Total QTY VI (t)	0,23 t DND/ Total QTY VI (t)	0,23 t DND/ Total QTY VI (t)	Improve Cleaning procedure to reduce as much as possible the water quantity

SOURCE	AXIS 2021 - 2023	STRATEGIC AXIX INDICATORS	2022 TARGET	RESULTS 2022	2023 TARGET	HOW
MR 2022/ EMAS	AXIX 6 - Environment Preserve natural resources	Reduce our electricity consumption	Reduce electric consumption	269683 kWh (-9013 kWh versus n-1)	$< 16,74 \text{ kWh/ma-}$ chineh (total)	Study of pertinence and feasibility to put meters on each lines separated to follow electricity consumption New liquid line more performative than the former one
MR 2022		Green energy sourcing	Study the implementa- tion photovoltaic on the parking	postponed 2024		
		Reduce risk of diffusion of dange- rous products in case of fire	Study implementation of waterbag	Study on water bag postpone in 2023		
EMAS 2021		Green energy sourcing	Study the implementa- tion photovoltaic on the parking	postponed 2024		
		Use „Bio“ active matter	N/A	Out of Val d'Izé scope		

APPLICABLE LEGAL REQUIREMENTS IN ENVIRONMENTAL MATTERS

Below is the list of main regulations taken into account by the Val d'Izé site.

Site subject to ICPE regulations as per section 4510 (French Decree 2014-285)

- French Environmental, Energy, Planning and Labor Codes
- REACH Regulation
- Biocides Regulation
- EMAS 2009 Regulation
- ISO 9001 (2015) Certification
- ISO 14001 (2015) Certification
- ISO 45001 (2018) Certification



ENVIRONMENTAL DECLARATION VALIDATION

Since 2022, France no longer has accredited Organism able to audit and validate EMAS policy in French companies.

The present statement is built on data, records and figures from the Quality Management System, yearly verified by third part accredited Organism Bureau Veritas through Audits ISO 9001, ISO 14001 and ISO 45001.

Kwizda France is in conformity with these three ISO standards since 2016.





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