

Have less USE LESS  
SPEAK LESS

less

&

better

USE BETTER Have better  
SPEAK BETTER

Environmental statement  
Pilot Corporation  
of Europe



OCTOBER 2018

Date of verification : October 16 & 17, 2018

Period covered : 2012/2013/2014/2015/2016/2017

SP

# Our policy

PILOT Corporation Of Europe, a subsidiary of PILOT Corporation based in Tokyo-Japan, handles the injection, assembly, packaging, marketing and distribution of the brand's writing instruments for the European market. Our European production site located in Allonzier-la-Caille near Annecy (Haute-Savoie department in France), elaborated an Environmental Management System in compliance with ISO 14001 standard requirements and the European Eco-Management and Audit Scheme regulation. For many years, respecting the environment has been an essential focus for PILOT. Our commitments concerning the environment are based on several axis, outlined below, defined as part of our corporate strategy.

We, PILOT Corporation of Europe, have a commitment to:

Offering new and ever more eco-friendly writing solutions p.4-5

**Communicate openly to our business stakeholders, the relevant authorities and general public** about our:

- Environmental policy,
  - Environmental results,
  - Sustainable purchasing charter,
- to collaborate with partners who share our values and environmental beliefs,

Writing a new plot for the planet p.6-7

**Periodically monitor and ensure compliance** with all legal requirements and the relevant expectations of our stakeholders,

Tracing the path of steady progress p.8-9

**Verify the knowledge, availability and implementation of this policy** with all employees through our training and awareness programs,

Drawing an ever-changing world p.10-11

**Improve our performance continuously** through periodic monitoring and evaluate our Management System efficiency including updating our environmental targets,

Fewer empty promises, more solid proof p.14-15

Carbon footprint and SEA p.16-17

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**Protect and preserve natural resources by :**

- Reducing the quantity of plastic material used in our products and working to increase the use of recycled materials in connection with our main impacts as identified in Life Cycle Analysis,

Fewer primal matter, more brain power p.18-24-25-27

History of past cycles p.20-21

Less extraction, more reflexion p.22-23

- Developing the sales of refills,

Fewer landfills, more refills p.19-26

- Monitoring and reducing electricity, gas and water consumptions through several improvement studies and investments
- Optimizing the use of our production resources,

Less water for our pens, more water for nature p.28-29-30-31

Less energy for production, more energy for innovation p.32-33-34-35

**Prevent any industrial risks and all kinds of pollutions linked to our activities,** by implementing an actions program and monitoring indicators to better identify impact in line with the evolution of our markets. We are particularly aware of the significant environmental impact linked to waste production, energy consumption and greenhouse gas emissions,

Less waste, more resources p.36-37-38

Less carbon, more reason p.40-41

**Provide the necessary human and financial resources** to reach our environmental targets.

Engraving our approach on the future p.44-47

Applicable legal requirements and environmental verifier's declaration p.48-49

角田康之  
Yasuyuki KAZAOKA  
Président Directeur Général

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Version 5, Février 2017



# Environmental Statement Pilot Corporation of Europe



For 100 years,

the Pilot brand's mission has been to create new writing solutions.

The site houses multiple operations :

- An injection-moulding facility for manufacturing plastic parts
- An assembly workshop for putting together our cartridges and pens
- A packaging plant for producing blister packs and display cases
- A logistic centre for distributing products throughout Europe
- An office complex housing our administrative, marketing and sales operations

As the main European subsidiary of Pilot Corporation (Based in Tokyo, Japan), Pilot Corporation of Europe is also responsible for supporting the marketing, commercial and logistical activities of the group's 6 other European subsidiaries and branches, as well as its European distributors. Between them, they cover more than 30 countries in Europe.

For Pilot, writing is not just author activity.  
Writing reflects social respect and responsibility.

As a business with Japanese origins, Pilot Corporation of Europe takes a characteristically long-term view of the future in harmony with the environment in the broadest sense of the term, encompassing society, nature and the global economy. For us, reducing the impact of our activities on nature is just as important as making our products more attractive for consumers.

This desire to ensure that our activities are sustainable is what drives our ceaseless efforts to improve our environmental friendliness by paying particular attention to the conservation of resources and the prevention of pollution.

For  
us

Environmental commitment is not just about paying lip service to a vision. It is a principle that must be put into everyday practice.

Our two environmental certifications are the official proof of our commitment to work in greater harmony **with the planet's ecology** and ecosystems. In fact, our entire production system is based on an approach that complies with the guidelines in the rigorous ISO 14001 standard and has done for many years in Japan, and since March 2006 in Europe.

It gets better: since 2011, **we have been one** of the few companies in Europe that have achieved full EMAS registration – a pledge that our environmental commitment is and will remain both credible and transparent.

Guided by our respect for the planet and its inhabitants, we are driving this process forward by carrying out Life Cycle Assessments (LCAs) for our **best-selling products** with the aim of making effective improvements across all our operations. For the same reasons, we regularly carry out accounting of our greenhouse gas emissions created by all our activities.

## Writing a new Plot for the planet

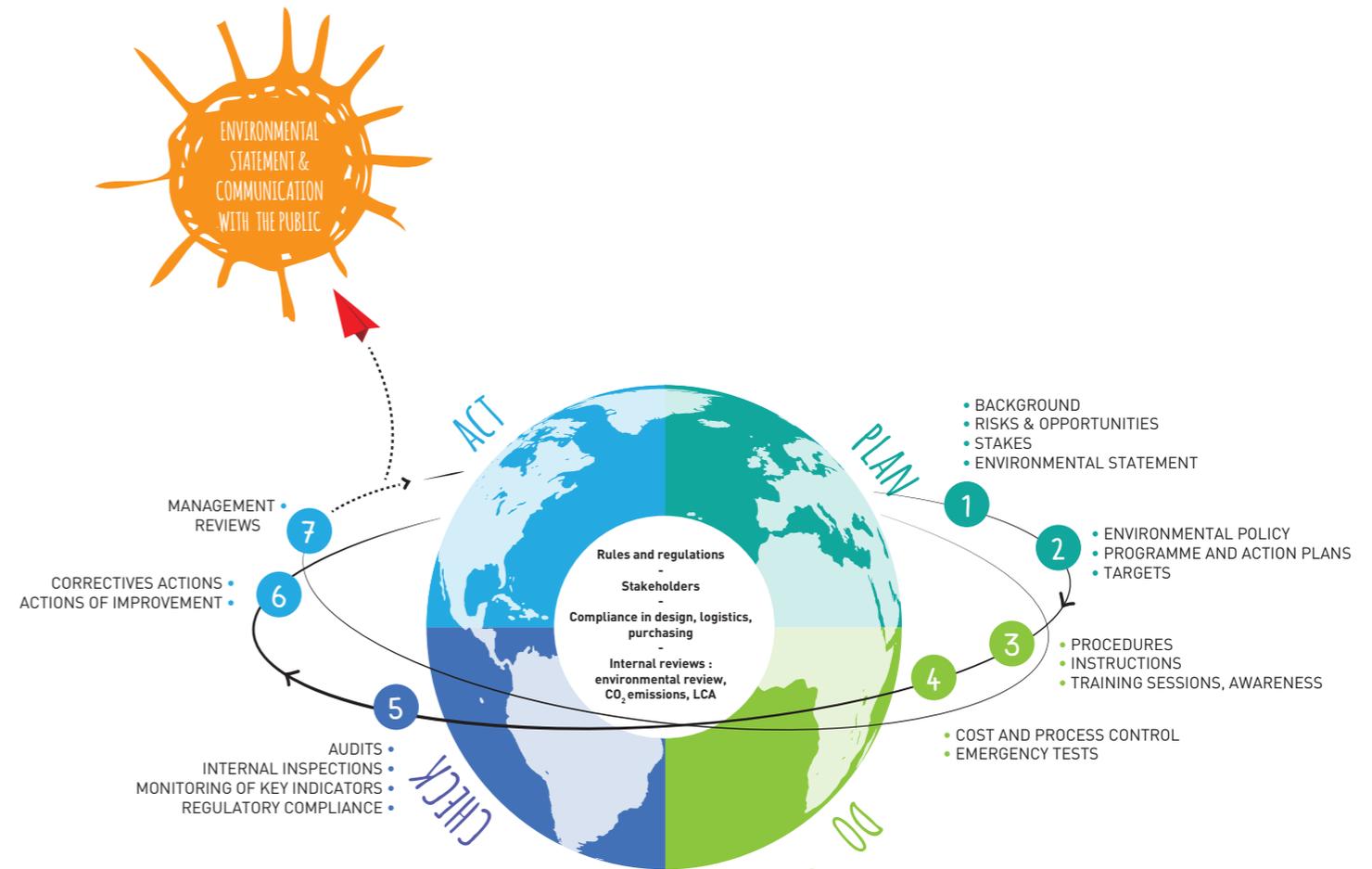


# Tracing the path of steady progress

Our commitment to social responsibility across all our business operations is embodied in a structured, dedicated process of continuous improvement :  
Our environmental management system (EMS)

Originally based on the ISO 14001 standard (2015 version), our EMS now satisfies all the requirements of the European Community's environmental framework EMAS (2017 version).

Reporting directly to the CEO, the Head of our Quality, Safety & the Environment (QSE) unit and his team are responsible for ensuring that our Environmental Management System operates efficiently. Our EMS complies with the continuous improvement circle forming the core of EMAS registration.



THE EMS PILOT CORPORATION OF EUROPE

# Drawing an ever changing world

Our environmental management system consists of stages that enable us to ensure it is fully and consistently applied by each member of the group.

Our management reviews (step 7) allow us to ensure that the objectives and programmes defined in our Environmental Policy are applied, monitored, regularly updated and communicated to our entire workforce.

Because it involves all our teams, every single employee is committed to and responsible for our environmental approach

A company's environmental vision only makes sense if it is shared by its entire workforce. When integrating new employees, managers raise awareness of 100% of PCE employees with our environmental approach. Then the QSE Department proposes to further study this approach thanks to training sessions in the months following the integration and during the 3 years cycle. We have also established dedicated, constantly updated information channels for all employees.

## A number of other specific actions have been taken, including:

- Creation of an environmental training scheme for new employees.
- Development and monitoring of an annual training schedule covering emergency situations.
- Distribution of a quarterly QSE newsletter.
- Periodic internal audits of our environmental management functions and system.
- Systematic monitoring of corrective actions following accidents/incidents.
- Development of our own actions system including the suggestions of our employees.

# 100%

OF OUR EMPLOYEES  
COMMITTED  
TO OUR ENVIRONMENTAL  
APPROACH

## Our commitments :

Rate of suggestions  
from employees

Individual  
environmental  
target defined by  
the managers

Bonus linked to  
the environmental  
performance



Fewer empty promises,  
more solid proof

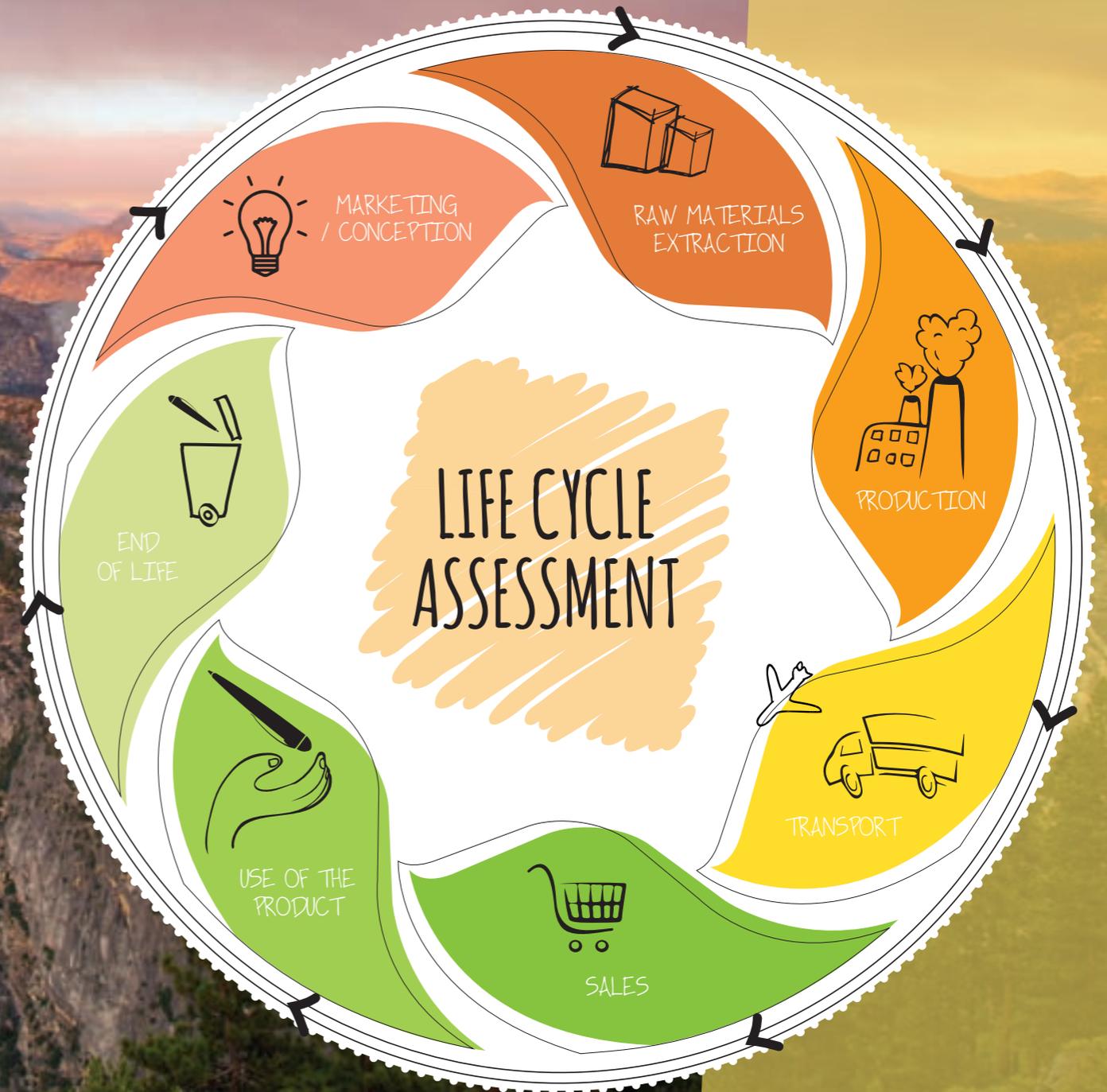
## LCA = Life Cycle Assessment

Three capital letters that identify areas where we most need to improve, so we can take effective action to reduce our main environmental impacts.

By analysing our products' entire life cycles, from initial conception right through to EOL disposal, we can identify their actual and objective impacts.

In order to better understand the respective impacts of the various environmental aspects we have identified and targetted our actions more effectively and we conducted two types of reviews:

PRODUCT LIFE CYCLE ASSESSMENTS AND GREENHOUSE GAS EMISSIONS



The environmental impact of a product can be objectively assessed by the analysis of its life cycle



## CARBONE FOOTPRINT

What are the impacts of our activities on the climate change ?

→ This method counts the CO2 emissions engendered by our activities : production, logistics, offices...

We assessed the environmental impact of our products and activities using Lifecycle Analysis and Carbon Footprint methods. These assessments helped us define the best action plans to manage and reduce our significant environmental aspects.

We consider Life cycle analysis as a main tool for conception and development. Furthermore within the frame of the evolution of ISO 14001 and of EMAS, it is essential to take into account the life cycle perspective ; that is why we will create training sessions for our staff who develops new products or processes.

Within our projects of conception (products and equipment), we integrated an assessment of our environmental impacts to identify or to compare thanks to life cycle perspective, the impacts of each solution we focus on.



Significant environmental aspects (SEA) fall into two broad categories :

- **DIRECTS** : Connected to our activities, the products and services we provide and on which we have a direct and operational control.
- **INDIRECTS** : Connected to third parties acting on behalf of Pilot. The company can influence on these impacts within certain limits.

### DIRECTS

Impact on the conservation of natural resources

Consumption of plastics  
Consumption of other raw materials  
Gas  
Water

Impact on the prevention of pollutions

Electricity  
Hazardous waste  
Non-hazardous waste

### INDIRECTS

Impact on the prevention of pollutions

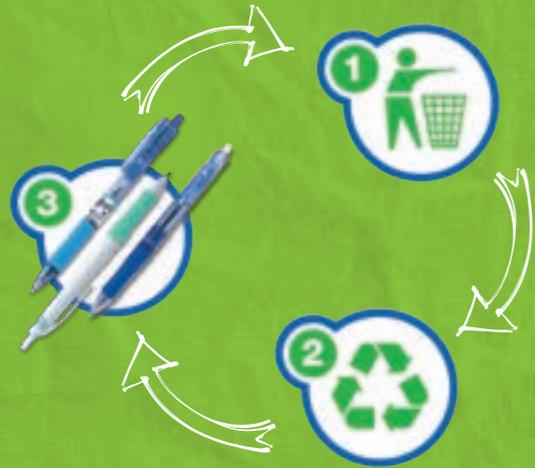
Use and disposal of our products by consumers  
Atmospheric gas emission caused by transportation

Impact on the conservation of natural resources

Consumption Fuel consumption



Fewer primal matter,  
more brain power



70%\*

of recycled plastic is the minimum content that will earn a product the Begreen label. But 70 is just the minimum the plastic content of Begreen products ranges from 71-95%.

## Begreen, for a greener lifestyle.

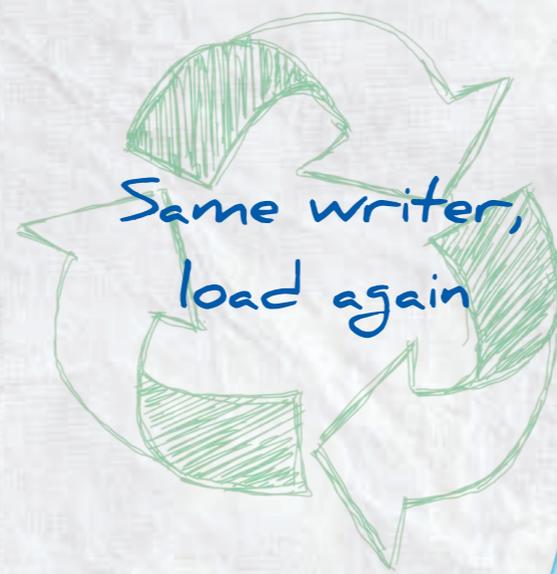
Analysis indicates that the use of virgin plastic materials has the greatest impact on the environment (due to fossil depletion).

This is why we prefer to use recycled materials, and why we are promoting our refillable pens - because fewer materials are required to manufacture a refill than to make a pen. This means we can offer consumers a more socially responsible writing solution.

Since 2006, our Begreen label has been the symbol for our two main areas of improvement. The Begreen label indicates that a product is made out of a minimum of 70% recycled plastic sourced from post-consumer waste (like our B2P pens, which are made out of plastic water bottles) or post-industrial waste (in the case of our other products).



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ANYBODY  
CAN CHANGE  
ANYTIME  
FROM  
NOW ON  
I'M A PEN



\*Excluding replaceable parts

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|   | First cycle<br>2011-2013<br>average | Second cycle<br>2014-2016<br>average | Third cycle<br>2017-2019<br>average | Evolution |
|---|-------------------------------------|--------------------------------------|-------------------------------------|-----------|
| Compliance with the regulation                                | 91.89                               | 93.52                                | 93.20                               | 1%        |
| Environmental Management Program achievement                  | 85.97                               | 93.83                                | 95.20                               | 11%       |
| Percentage of preventive actions                              | 31.12                               | 41.44                                | 36.80                               | 18%       |
| Plastic consumption in the factory / unit made (g)            | 1.65                                | 1.19                                 | 0.92                                | -44%      |
| Recycled plastics sold in Europe (T)                          | 168.04                              | 215.31                               | 234.26                              | 39%       |
| Plastic used in blisters (g)                                  | 1.63                                | 0.99                                 | 0.85                                | 56%       |
| Electricity consumption / unit made (kWh)                     | 15.58                               | 11.65                                | 10.05                               | -33%      |
| Gas consumption / m <sup>2</sup> heated (kWh/m <sup>2</sup> ) | 264.55                              | 158.82                               | 163.28                              | 62%       |
| Water consumption per employee (m <sup>3</sup> /FTE/year)     | 4.28                                | 3.61                                 | 3.89                                | -9%       |
| Waste / unit made (g)   | 1.39                                | 1.20                                 | 1.28                                | -8%       |
| Greenhouse gas emissions (Teq CO <sub>2</sub> )               | 12,093                              | 10,938                               | 11,447                              | -5%       |

As we can see, we improved all our indicators during the last two certification cycles.

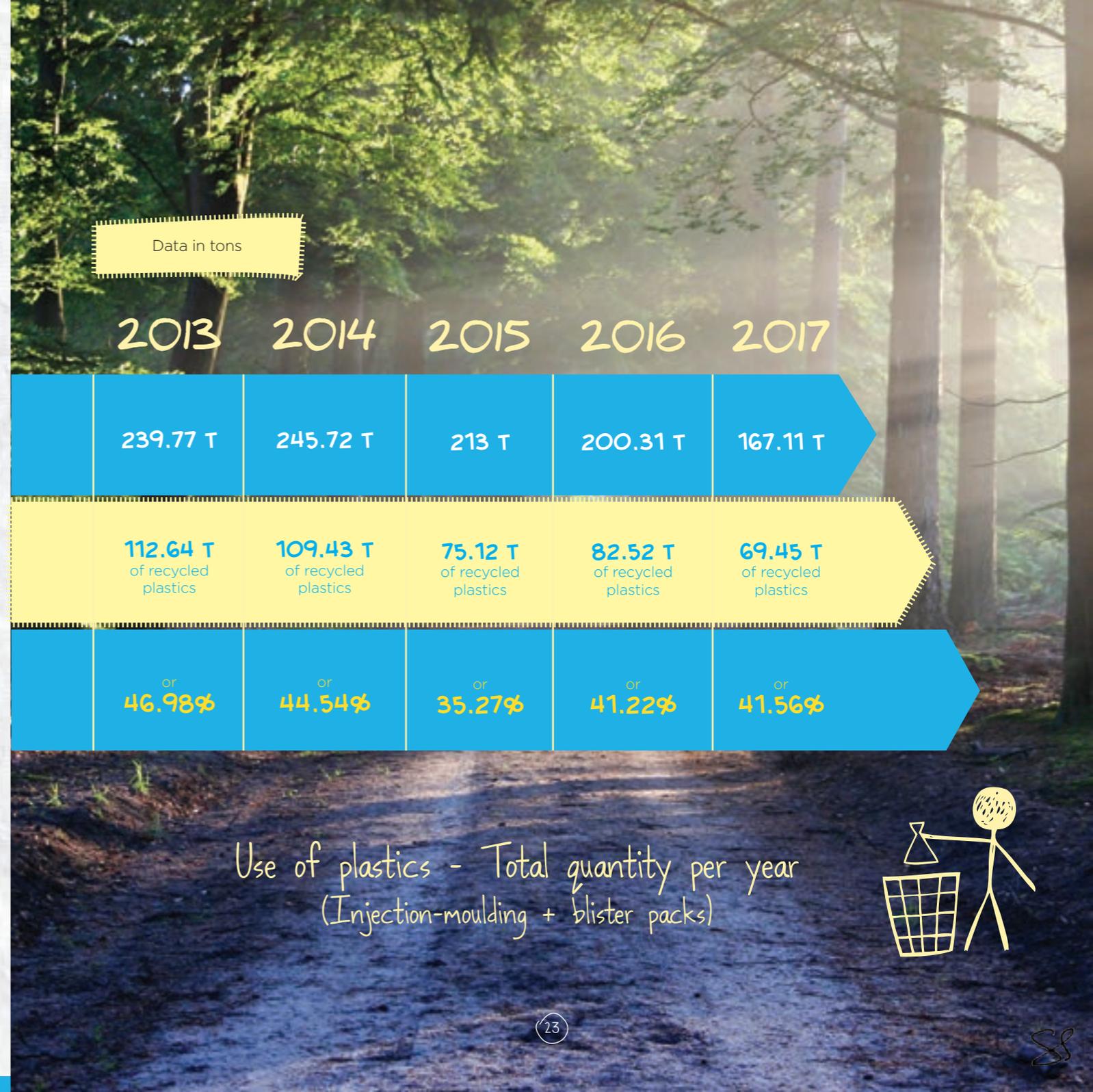
This is proof that our environmental management system is efficient and that all the actions we have been implementing for 10 years, allowed us to decrease our impacts.

# Less extraction, more reflexion

Since 2006, we have been focusing on two main areas of improvement that appear to offer the most promising options for reducing environmental impact : the use of recycled plastics and promotion of refills

We measure annually our consumptions to estimate our performances. These consumptions are, for the most part, the result of our production activity, which volume varies every year. Therefore, when it is relevant, we monitor the progression of the ratio of our basic indicators reported to the sum of the items produced each year in our injection-moulding, assembly and packaging workshops.

| 2013                          | 2014                          | 2015                          | 2016                          | 2017                          |
|-------------------------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|
| 145,237,315<br>Items produced | 187,384,563<br>Items produced | 176,407,858<br>Items produced | 192,009,451<br>Items produced | 180,868,983<br>Items produced |



Data in tons

|  | 2013     | 2014     | 2015    | 2016     | 2017     |
|--|----------|----------|---------|----------|----------|
| Total quantity per year (Injection-moulding + blister packs) | 239.77 T | 245.72 T | 213 T   | 200.31 T | 167.11 T |
| of recycled plastics   | 112.64 T | 109.43 T | 75.12 T | 82.52 T  | 69.45 T  |
| or %   | 46.98%   | 44.54%   | 35.27%  | 41.22%   | 41.56%   |

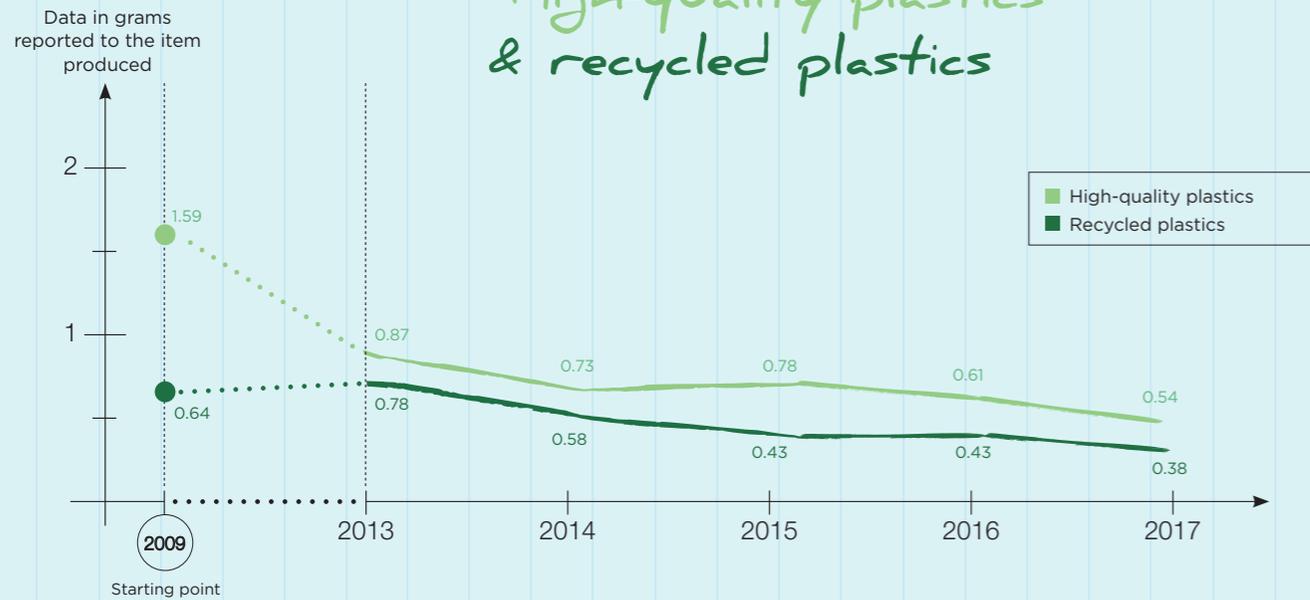
Use of plastics - Total quantity per year  
(Injection-moulding + blister packs)



Our eco-design actions allowed us to reduced our consumption of highquality plastic in our injection-moulding processes and blisters on the last six years

The other materials used in our processes, such as the ink of our pens, grease, cardboard, paper and wood are not subjected to a graphical analysis since they are not significant compared to the use of plastic

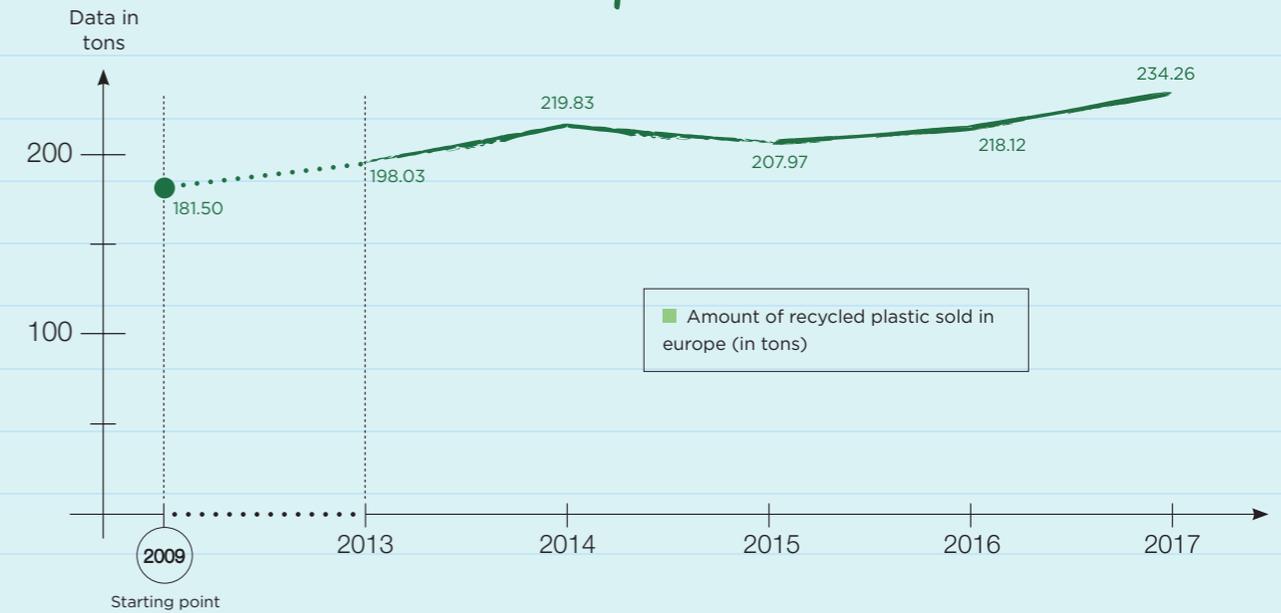
### High-quality plastics & recycled plastics



**Objective 2019** → KEEP OUR PRESENT HIGH-QUALITY PLASTICS AND RECYCLED PLASTICS CONSUMPTIONS - 1 GR / UNIT MADE. MONITORING INDICATOR.

Our consumption of high-quality plastics keeps on decreasing while our consumption of recycled plastics is stable.

### Amount of recycled plastic sold in europe (in tons)



**Objective 2019** → 220 TONNES OF RECYCLED PLASTICS SOLD IN EUROPE. MONITORING INDICATOR.

Early 2011, we committed to progressively increase the use of plastic recycled material in our manufactured pens and blisters, reducing the volume of virgin material used.

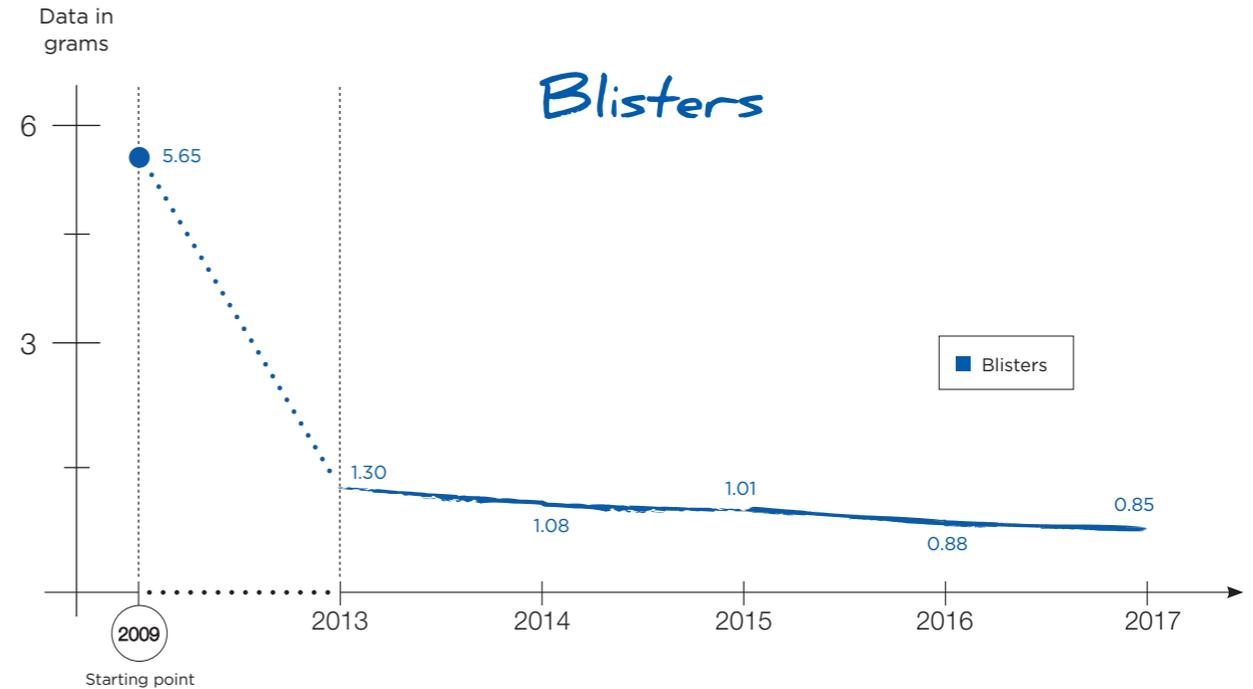
A technical change in our blister activity, the launch of a new pen made solely of recycled plastic plus the integration of post-industrial recycled materials, helped us reduce the use of virgin plastic and finally reach a rate of 41% of recycled materials used in our European production.

The objective set in sales for our recycled-plastic range was finally achieved by the end of 2016. We think that we can still improve our performance ; that is why we defined a new target for 2020.

## Refills

|                               | 2015       | 2016       | 2017       | 2018<br>OBJECTIVE |
|-------------------------------|------------|------------|------------|-------------------|
| Erasable ink<br>(in pcs)      | 67,266,681 | 72,256,731 | 80,543,775 | STABLE/2017       |
| Liquid ink marker<br>(in pcs) | 3,585,070  | 4,264,486  | 5,120,941  | STABLE/2017       |

To follow the efficiency of our actions of communication on refills, we decided to set up specific sales indicators on the different ranges of products. The sales of refills with clear communication plans, keep on growing and we think that we can still increase our sales.



Amount of plastic used to manufacture blister packs, per pen and refill sold in blister packs

**OBJECTIVE 2019**

**STABILISE THE QUANTITY OF PLASTICS IN OUR BLISTERS UP TO 0.90 GR / PEN AND REFILL IN BLISTER PACK. MONITORING INDICATOR.**

In 2011, we set the goal of 30% less (compared to the use of plastic in 2010) use of plastic in our blisters by the end of the year 2013, which means 3.32 gr.

Thanks to an adjustment in our blister manufacturing process, we have succeeded in reducing the volumes of plastic by 82.1% in 2017.

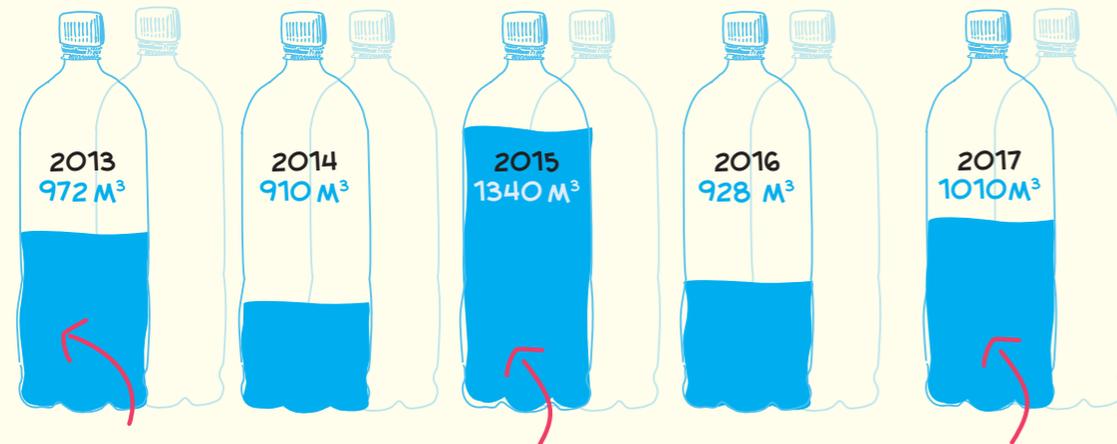
Since 2012, our results are stable, under 2 gr per unit sold. The difference from one year to another one depends on the production mix, more precisely due to the number of single-pen blister packs. Indeed, according to the markets and their maturity, the quantity of pens per blister pack can vary clearly.

During these last years, we have considerably optimised our blister packaging process in our current production. We are committed to maintain our current level and to monitor this indicator.

# Less water for our pens, more water for nature

Water is life.  
Which is why it is so important to explain that water does not play a major role in our production process

Most of our water consumption is due to our sanitary facilities and to our sprinkler system. This is why we express our water consumption in terms of FTE (full-time employees or equivalent)..

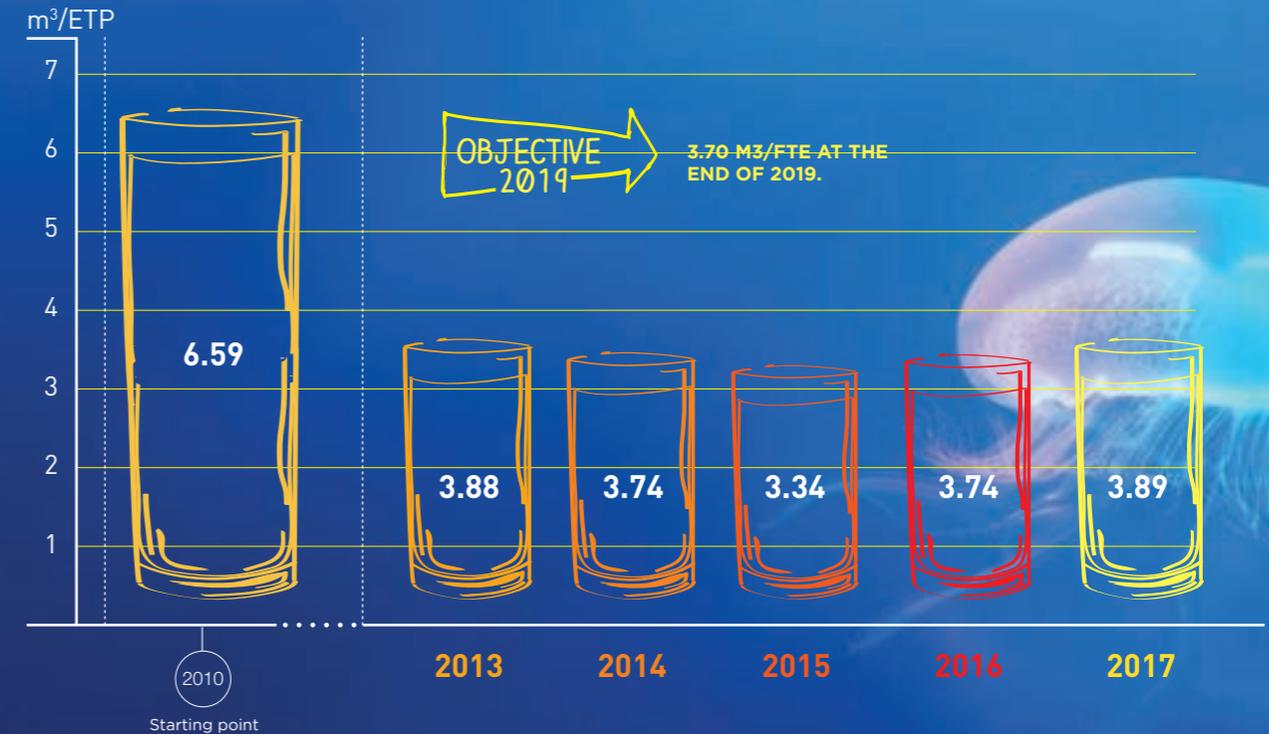


Including 100 m<sup>3</sup> used to maintain our sprinkler system

Including 489 m<sup>3</sup> used for the periodical maintenance of the tanks of the sprinkler system

Including 35 m<sup>3</sup> because of increase of FTE

# Volume of water consumed (M<sup>3</sup>) per full-time employee (FTE)



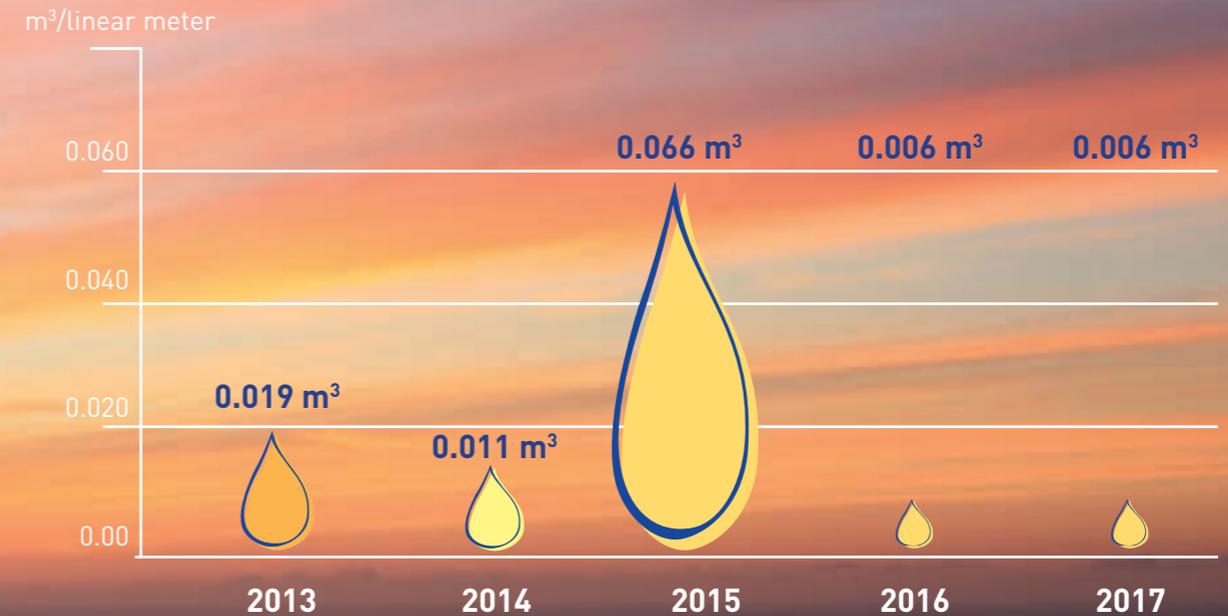
At the beginning of 2011, we committed to reducing our water consumption. Installing water-efficient devices and automatic faucets, increasing the staff's awareness regarding environmentally-friendly practices, as well as investing in a rainwater storage tank were some of the actions taken which helped us lower our water consumption by 40.9% per FTE by the end of 2017 in relation of 2010. Our regular follow-up allows us an optimization of our consumption.

Given the most of the investments have been already made, we expect a small decrease of our water consumption by the end of 2019.

# What is a sprinkler ?

A sprinkler, more accurately described as a fire sprinkler system, is an active fire protection system that senses the excessive heat produced by a fire and automatically responds by spraying water during a fire, in order to protect the installations and the close environment.

## Sprinkler water consumption (m<sup>3</sup> per linear meter)



Connecting our new sprinkler system to the original water supply network has allowed us to optimise the consumption related to the regulatory tests performed in our water system in 2013. Our water consumption of the sprinkler system is stable : the variations are directly connected to the interventions of maintenance.

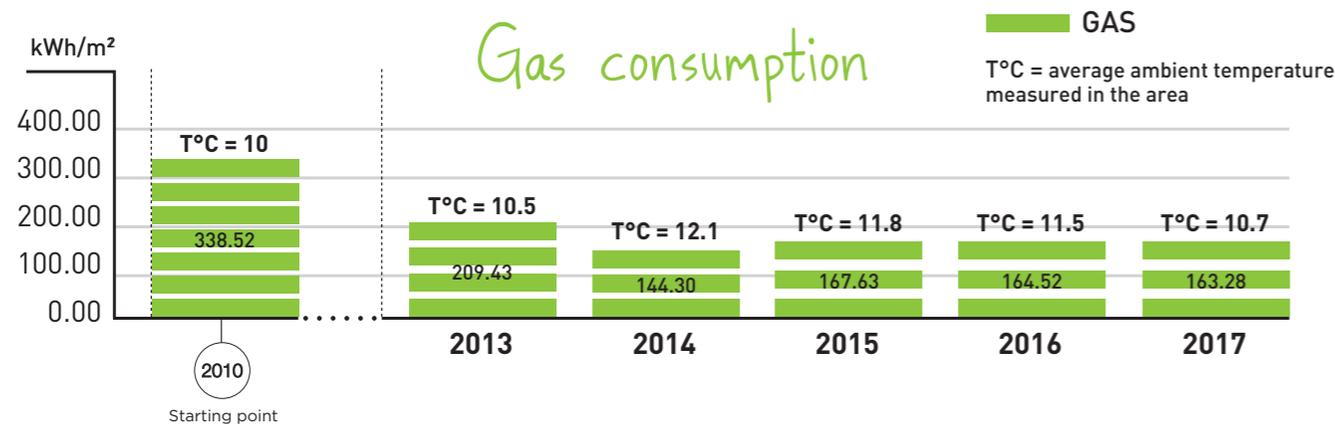
Every 6 years, the periodical maintenance of our water tanks of the sprinkler system leads to an increase of our water consumption ; this explains the situation of the year 2015. It is true that we need to empty the whole system to make the regulatory maintenance.

In 2016 and 2017, the water consumption of our sprinkler was stabilised: indeed, neither operation of maintenance nor leak were registered during this year. The improvements made during the last 6 years allowed us to reach our lower consumption level ever registered.

# Less energy for production, more energy for innovation

Energy efficiency is amongst our main priorities. The only energy we use without carefully accounting for it is the energy we use to think up innovative ideas for reducing our environmental impact, ideas such as recycling and refills.

Gas being used exclusively for heating, we have decided to measure that consumption in terms of square metre heated. Consequently, we follow two separate graphs (gas and electricity).



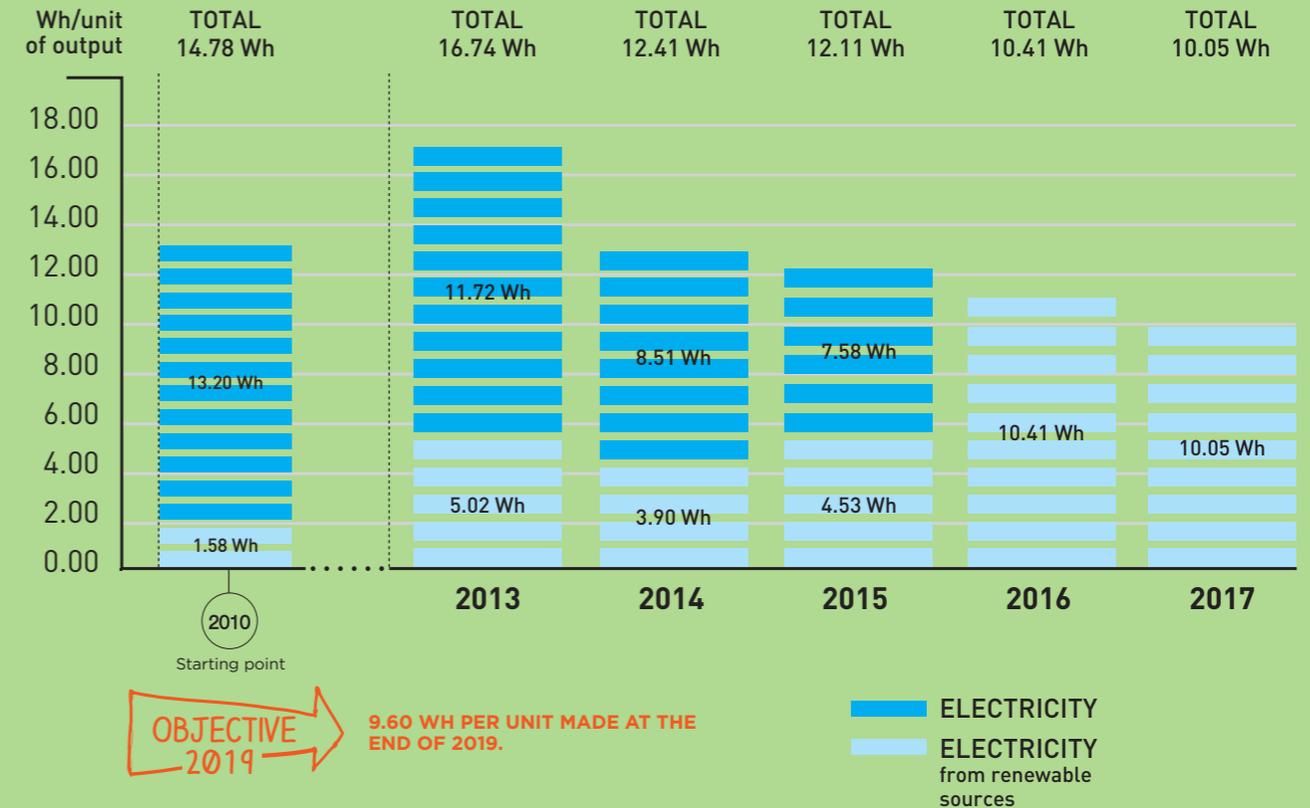
Insulating certain parts of our workshops, promoting awareness and training the employees to follow the best practices for energy conservation and investing in a high-efficiency air to air heating system for our brand new distribution centre helped us achieve our objective of reducing our gas consumption. The year 2017 is the 2nd most favourable year in terms of gas consumption.

We intend to keep improving our buildings' energy efficiency in the coming years by carrying on with our insulation work and by studying the possibility of upgrading our heating system. The various investments realized during the last years allowed us to decrease our consumption of gas per square meter heated.

**OBJECTIVE 2019**  
**<160 KWH/M2 AT THE END OF THE YEAR 2019.**



# Electrical Consumption



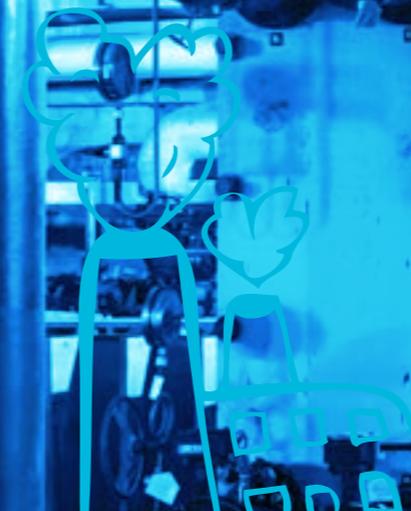
Since 2010, we have been taking the commitment to decrease our electricity consumption. After 2 consecutive years of increase (2012 & 2013) as we added new premises, we notice a decrease of our consumption thanks to the removal of some equipment. We replaced them by machines with better energy-efficiency equipment.

Further to the energy audit made in 2015, we plan actions so that we should keep on decreasing our electricity consumption in the future. To promote renewable energy we have established a contract with our supplier in order to steadily raise the green electricity.

|  | - 2013 -<br>5,009,699 KWh                         | - 2014 -<br>4,100,549 KWh                         | - 2015 -<br>4,199,859 KWh                         | - 2016 -<br>4,021,957 KWh                         | - 2017 -<br>3,827,029 KWh                         |
|--|---|---|---|---|---|
| <br>ELECTRICITY          | 2,433,337 KWh                                     | 2,325,376 KWh                                     | 2,137,710 KWh                                     | 1,998,074 KWh                                     | 1,818,348 KWh                                     |
|  | +   | +   | +   | +   | +   |
| <br>GAS                  | 2,576,362 KWh                                     | 1,775,173 KWh                                     | 2,062,149 KWh                                     | 2,023,883 KWh                                     | 2,008,681 KWh                                     |
|  | +   | +   | +   | +   | +   |
| <br>RENEWABLE<br>SOURCES | 29.99% FROM<br>RENEWABLE SOURCES<br>= 730,001 KWh | 31.39% FROM<br>RENEWABLE SOURCES<br>= 730,000 KWh | 37.42% FROM<br>RENEWABLE SOURCES<br>= 800,000 KWh | 100% FROM<br>RENEWABLE SOURCES<br>= 1,998,074 KWh | 100% FROM<br>RENEWABLE SOURCES<br>= 1,818,348 KWh |

GAS BEING USED EXCLUSIVELY FOR HEATING OF BUILDINGS, CONSUMPTION FLUCTUATES FROM ONE YEAR TO THE NEXT, AS A DIRECT RESULT OF PREVAILING WEATHER CONDITIONS.

THE ELECTRICITY CONSUMPTION INCREASED IN 2013. THIS WAS MAINLY DUE TO THE NEW WAREHOUSE OF 5 000 M<sup>2</sup> WHICH WAS IN FUNCTION AND HEATED. SINCE 2014, THE ELECTRICITY CONSUMPTION HAS BEEN DECREASING THANKS TO THE REPLACEMENT OF SOME EQUIPMENT.

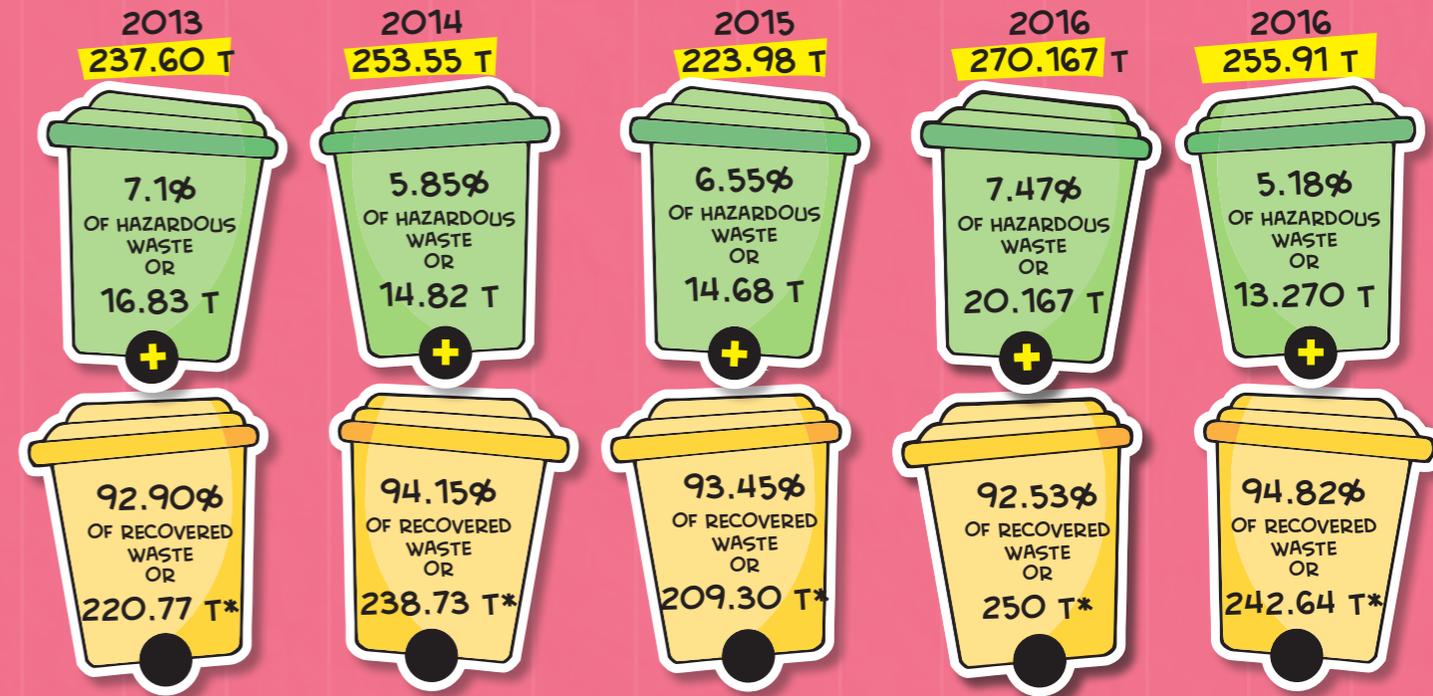


# Less waste, more resources

Increasing the proportion of waste recovered from our production process while reducing the amount of waste generated per unit of output, without ever losing sight of the importance of enjoyable, comfortable writing with a high-quality pen.



## Waste - Total quantity per year

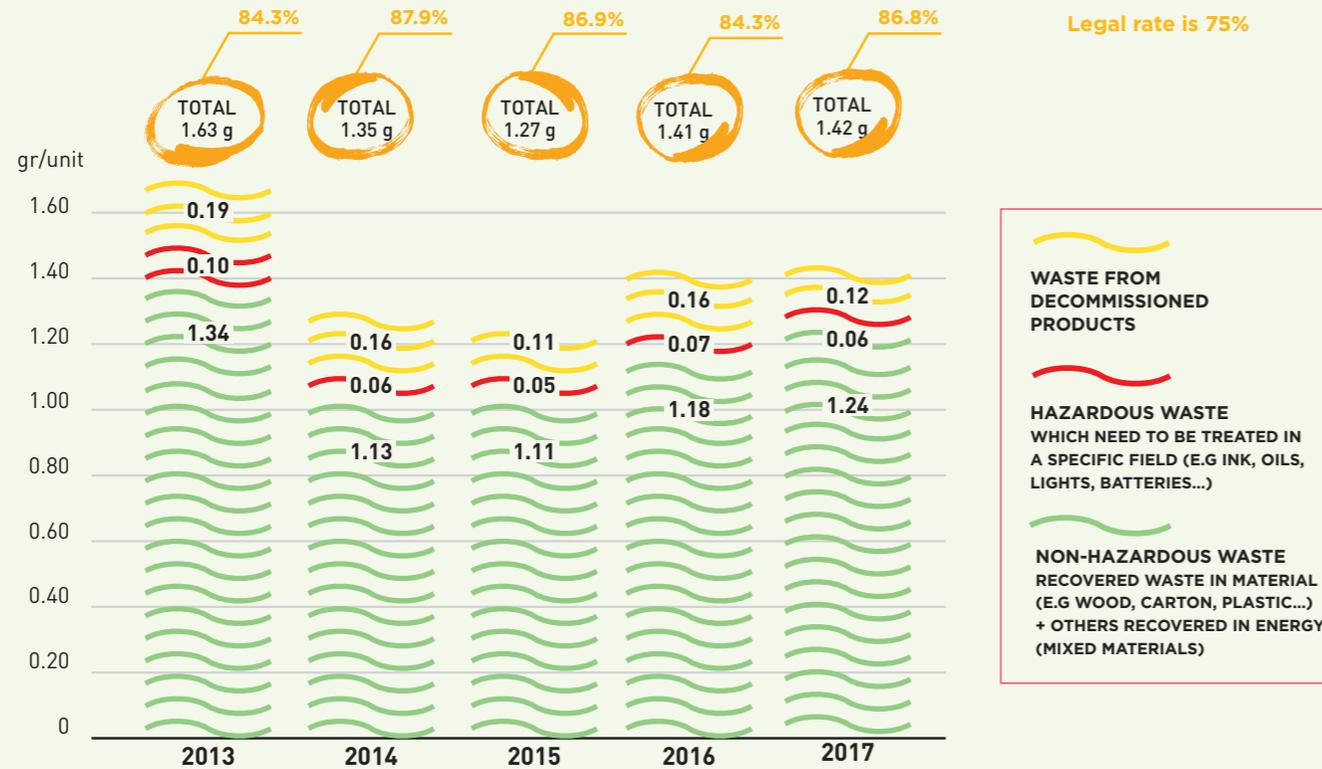


Data in tons

\* recovered in material and in energy



## Amount of waste (in grams) per unit of output



**OBJECTIVE 2019** → KEEP OUR LEVEL UP TO 1.25 GR PER UNIT MADE.

It is worth noting that the work accomplished internally within PCE, and with our service providers in 2012 has been of great benefit for us. We have improved our waste sorting as well as upgraded our recovery rate, reaching 86.8 % by the end of 2017. 2015 has been the best year ever since we measure our quantity of waste per unit made.

In 2016 and 2017, further to changes in our delivery process, we increased our waste of wood. We took this decision to optimize the pallets throughput and to suggest to our customers and distributors a system of re-usable pallets. Furthermore as the markets are continuously moving, we propose more and more marketing tools to our customers. This leads to an increase of our waste of cardboard and non-hazardous waste. This issue is identified as a surveillance point for the future.

Green-space ratio 0,31

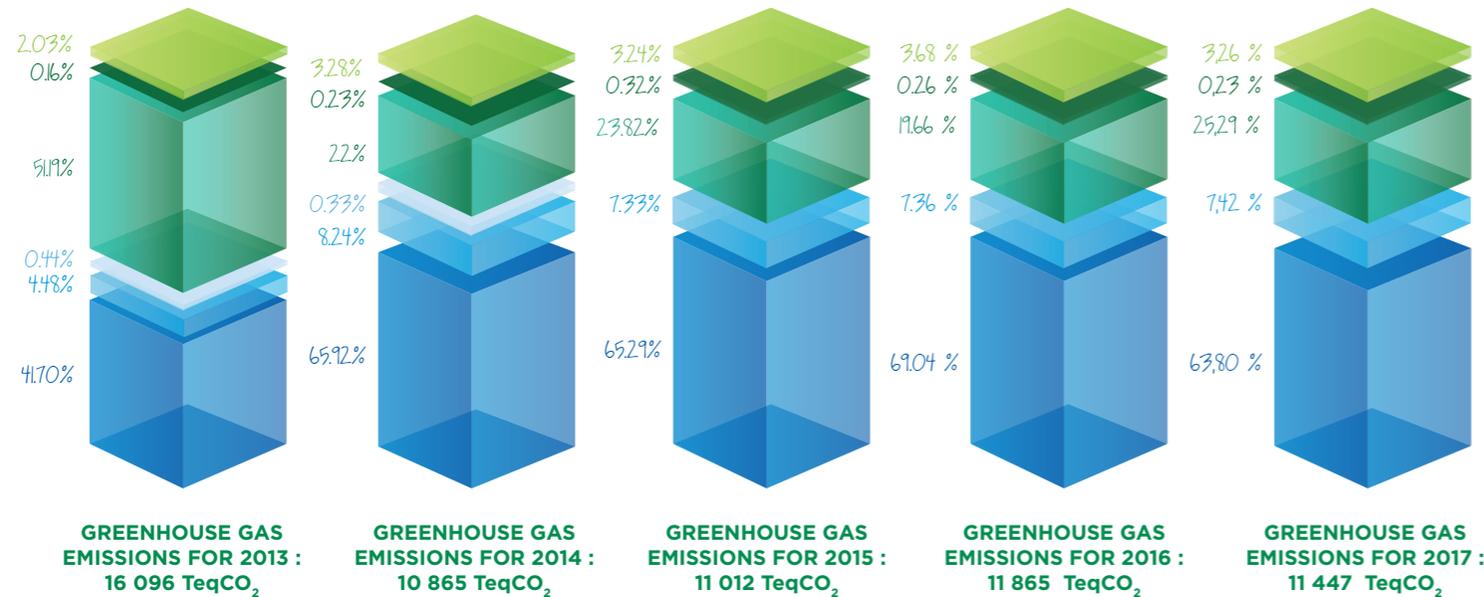
Site ratio 0,41

Fauna, Flora and biodiversity

The geographical zone in which we are located is a site dedicated to industrial activities, which it is not a specific habitat for fauna or flora. It should be noted that our site ratio of 0.41 is stable and lower than the 0.60 permitted under local planning and development policies (building area compared to global area = 11 601 m<sup>2</sup> / 28.000 m<sup>2</sup>, or 0.41). Green spaces currently occupy a total area of 8 712 m<sup>2</sup>/28.000 m<sup>2</sup>, representing a site ratio of 0.31.

# Less carbon : More reason

Tons equivalent CO<sub>2</sub> divided by the total of items sold



## Monitoring of the greenhouse gas emissions :

- 2012 :** 8 089 Teq CO<sub>2</sub> in total, being 68.84 gr.eq.CO<sub>2</sub> per item sold  
Measures performed by a recognized organization - ADEMEI approved.
- 2013 :** 16 096 Teq CO<sub>2</sub> in total, being 130.06 gr.eq.CO<sub>2</sub> per item sold  
Measures internally performed - ADEMEI method.
- 2014 :** 10 865 Teq CO<sub>2</sub> in total, being 79.08 gr.eq.CO<sub>2</sub> per item sold  
Measures internally performed - ADEMEI method.
- 2015 :** 11 012 Teq CO<sub>2</sub> in total, being 81.12 gr.eq.CO<sub>2</sub> per item sold  
Measures internally performed - ADEMEI method.
- 2016 :** 11 865 Teq CO<sub>2</sub> in total, being 78.45 gr.eq.CO<sub>2</sub> per item sold  
Measures internally performed - ADEMEI method.
- 2017 :** 11 447 Teq CO<sub>2</sub> in total, being 70.31 gr.eq.CO<sub>2</sub> per item sold  
Measures internally performed - ADEMEI method.

Between 2009 and 2012, we observe a decrease of 24,51 % of our greenhouse gas emissions thanks to the follow-up actions taken as soon as 2011 in the different departments of the company. For instance, the two main improvements that started are:

- the optimisation of business trips and logistic shiftings
- marketing decisions on less impactful materials.

However in 2013, our greenhouse gas emissions increased compared to 2012 : in fact, we faced an important increase of our activities which led us to purchase more raw materials and have additional supplies from Japan. That is why between 2012 and 2013, our main increase is due to our transports.

In 2014, our action plan to optimize our transport succeeded : we effectively decreased our greenhouse gas emissions due to the upstream transport of 5,848 Tons eq.CO<sub>2</sub>.

In 2015, our greenhouse gas emissions slightly increased (+1.35%) : the main causes of this general increase are our marketing developments and the upstream transport. The air freight still has an important impact; we keep on working to improve our supplies and to better manage the impact of our transports.

In 2017, the impact of our production and assembly decreased. However, the impact of our transport operations increased.

Taking into account our impact per item sold, we find that it decreased 13.3% compared with 2015.

Emissions of nitrogen oxides derive mainly from heating the premises. Volatile organic compounds are caused by our marking process. These emissions were taken into consideration in our account of the greenhouse gas emissions.

**OBJECTIVE 2019** → <100 GR CO<sub>2</sub> PER ITEM SOLD







Engraving  
our approach  
on the future

A refillable  
white board  
marker!



Symbolising our entire  
environmental approach.

In 2008, Pilot has launched a first on the market : a refillable white board marker. Not only can you replace its felt tip or its cartridge when empty, the V-Board Master is made out of 91% recycled material (excl. replaceable parts).

These new white board markers are the outcome of our focus on two main areas of continuous improvement: waste recovery and the reduction of our environmental impact through the use of refills and cartridges. This is how the lifespan of the V-Board Master can be considerably extended by replacing the consumables and wearable parts, all the while keeping the smooth writing experience exclusive to Pilot products.



LET'S  
save on  
EVERYTHING  
But not on our  
IMAGINATION



# V BOARD MASTER

REFILLABLE WHITE BOARD MARKER



Extended  
life span

But also...

- 1 type of cartridge for both tips.
- 5 extra bright colours
- 2 writing styles: bullet tip and chisel tip

 **91%**  
recycled plastic  
excluding replaceable parts



# Applicable legal requirements

Our legal and regulatory compliance is supervised by an external legal service. Since June 2011, this monitoring service has been accompanied by an online regulatory intelligence system. The external service submits a quarterly report detailing the main compliance requirements affecting the activities of Pilot Corporation of Europe. With respect to the environmental regulations applying to the buildings and activities housed at the head office of PILOT Corporation of Europe, our main references cover the following areas:

## AIR

- Art.R543 of the Environmental Code: refrigerants.

## WASTE

- Statutory Order of December 30, 2002: waste classification.
- Government Decree 2005-635 of May 30, 2005: waste treatment cycle.

## WATER

- Convention on releases.

## ICPE - THE SITE IS SUBJECT TO REPORTING REQUIREMENTS UNDER THE FOLLOWING HEADINGS

- Section 1530 : storage of paper and cardboard or similar combustible materials
- Section 2661: processing of polymers.
- Section 2662: storage of polymers.
- Section 2663: storage of tyres and products at least 50% of the total mass of which is composed of polymers.
- Section 2925 : recharging station
- Article L512-11 of the Environmental Code: noise level measurements.
- Statutory Order of July 7, 2009, Article 1: air analysis and VOC measurements.
- Statutory Order of July 7, 2009, Article 1: water analysis.
- Article R224 of the Environmental Code: operation of boilers.

## CHEMICAL PRODUCTS

- Regulation EC1907/2006: REACH.

In addition, the Industrial Park of La Caille is subject to the local town planning regulations of Saint Martin de Bellevue (updated December 14, 2009) and Allonzier-la-Caille (updated July 12, 2016).

# Environmental verifier's declaration concerning verification and validation activities

## VERIFIER:

### Name:

Madame SUDAN

### Society:

BUREAU VERITAS Certification

### COFRAC Registration:

n°4-0002 rév 39

For Ministry of Ecology transition and Solidarity

## REGULATION INFORMATION:

### Registration number:

FR-000068

### Standarts:

Regulation EMAS (CE) n° 1221/2009 (25<sup>th</sup>, november 2009) & regulation n°2017/1505 (28<sup>th</sup>, august 2017)

## SCOPE:

Injection, assembly, conditioning, marketing and distribution of pen for the European market, sit of ALLONZIER LA CAILLE.

**The scope of NACE code:** 46.49

**Date the declaration is validated:** 15/11/2018

The registration scope is available on sur [www.cofrac.fr](http://www.cofrac.fr).

By signing this declaration, I certify that:

- the verification and validation have been carried out in full compliance with the provisions of Regulation above mentioned;
- the outcome of the verification and validation confirms that there is no evidence of non-compliance with the applicable legal requirements relating to the environment;
- the information and data in the organisation's environmental statement present a reliable, credible and authentic picture of all the site's activities within the scope of the environmental statement.

Duly signed at Allonzier-la-Caille on 17/12/2018



This round of certification covers benchmark years 2017-2018-2019. However, every year we publish updated key indicators on our company website.

# Pilot Corporation of Europe

PAE de la Caille - Saint-Martin Bellevue  
74350 Allonzier-la-Caille

Public limited company with a share  
capital of EUR 7.216.936€  
399 424 753 RCS Annecy

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**EMAS**

Management  
environnemental  
vérifié

FR-000068



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