

### **ENVIRONMENT** 2nd focus point

#### **Continuous awareness-raising of employees**

Climate mural, environment challenge as part of sustainable development month, zero waste tea time, etc.

#### Carbon Audit

Cousin Surgery conducted a full carbon audit in 2021. This general inventory was an essential step to implement a strategy to reduce the carbon footprint of our production. Precise monitoring of the carbon footprint of the activity and of each product implant has been put in place aiming for continuous improvement.

Objective 2030

Cousin Surgery has set itself ambitious goals: reduce its CO<sub>2</sub> emissions by 5.5% each year until 2030, a 42% reduction in its emissions





2nd focus point

#### Waste management & reduction

- General waste reduction: paper, production waste, etc.
- Reduction of non-implanted plastics = packaging
- Systematic reuse of cardboard boxes
- Implementation of selective sorting and recovery of waste by the company Elise
- Collecting and recycling cigarette butts with TchaoMégot

### **7.5 kg** cigarette butts collected and recycled in 2022



#### Waste collected over the years

#### Ton of waste collected and recycled





### **ENVIRONMENT** 2nd focus point

### A proactive approach to reducing and controlling energy consumption

- Installation of a new cooling unit for the clean room
- Optimisation of the compressed air circuit in production to allow for night-time switch-off
- Switching to LED lighting in the warehouseand in all offices + installation of presence detectors to automatically switch off the lighting
- Reduction of the heating set point within the premises: -0.5°C on average temperature
- Optimisation of the operation of the AHU (Air Handling Unit) in clean rooms: better regulation of the supply air flow and implementation of an "unoccupied" mode
- Energy Demand Management (EDM) monitoring, dashboards and actions

Annual gain

-292,000 kWh or 29t of CO<sub>2</sub>



Or the annual consumption of 16 homes with 100m<sup>2</sup> of surface area



2nd focus point

• Focus on gas and electricity consumption





2nd focus point

### **Decarbonisation plan**

How? Objective: 0 gas!

- Deployment of geothermal energy (first studies launched in 2023)
- Continued energy management of clean rooms







2nd focus point

- Implementation of an environmentally friendly mobility policy
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- Encouraging business travel by train Purchase of hybrid or electric vehicles for sales staff, provision of charging points for electric cars and training in eco-driving Development of carpooling
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- Work-from-home





2nd focus point

### **Eco-design**

Integration of LCA (Life Cycle Assessment) in the design of our products and the impact of design on the environment and use of eco-responsible materials

### A specific example: use of PLLA

Integration of PLLA (Poly-L-Lactic Acid), a biosourced, biocompatible and slowly resorbable polymer, made from corn or vegetable starch, in the design of our implants for abdominal surgery VERSUS implants made of 100% polypropylene, a thermoplastic polymer.





2nd focus point

Implementation of more environmentally friendly industrial processes

#### A specific example: cleaning with supercritical CO<sub>2</sub>

### **Our ambition**

Be the first to apply supercritical CO<sub>2</sub> technology to clean implantable medical textiles.

At Cousin Surgery, the adventure began in 2017 with the aim of drastically reducing ether consumption, a solvent used in the current implant cleaning process: while its effectiveness is no longer in doubt, ether has many disadvantages, including its hazardousness and its significant impact on the environment.

In this context, the company has positioned itself on the development of supercritical carbon dioxide (CO<sub>2</sub>) cleaning to ensure the cleanliness of its products and to eliminate the use of solvents.

Supercritical CO<sub>2</sub> is the ideal candidate for cleaning our products, particularly from an environmental point of view. Its supply is simple, its easily achievable conditions for transition to the supercritical range and can be discharged into the atmosphere with no environmental impact as a "zero waste" fluid. Launch planned for 2023!

