



*Welcome to the world
of Petrutex Green business!*



WE ARE

100%
PETRATEX

CERTIFIED
GREEN ENERGY



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The challenges brought about by climate change have created a transition towards sustainable consumption and production.

The “Paris Agreement” has created a real alarm signal. The integration of environmental concerns is a driver of inclusive, sustainable and sustained growth.

Textile manufacturers play a key role in this area.

Green businesses save scarce resources, help to keep ecosystems healthy, minimize pollution and waste, limit greenhouse gas emissions, and provide green goods and services to enable more sustainable and responsible consumption patterns; they are vital for a development model in which the planet is the top priority!

In addition, the green enterprise acts as a catalyst for entrepreneurs in order to make a considerable socio-economic contribution as these enterprises preserve the health of consumers and communities, generate jobs and provide necessary green resources such as renewable energy, other businesses, thus stimulating economic growth.



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Equally important for the entrepreneur, the green business brings many benefits such as access to new markets, cost reduction through green measures in the production process, and improvement of staff productivity linked to green workplaces.

This is the solution that Petrutex has chosen to meet today's development challenges. We strive every day to "green" all of our processes.

We hope that our approaches and our results will appeal to you, and that you, like us, will choose a green way, taking advantage of the many opportunities it confers, while contributing to a healthy and sustainable future.





THE WAY, WE GREEN!

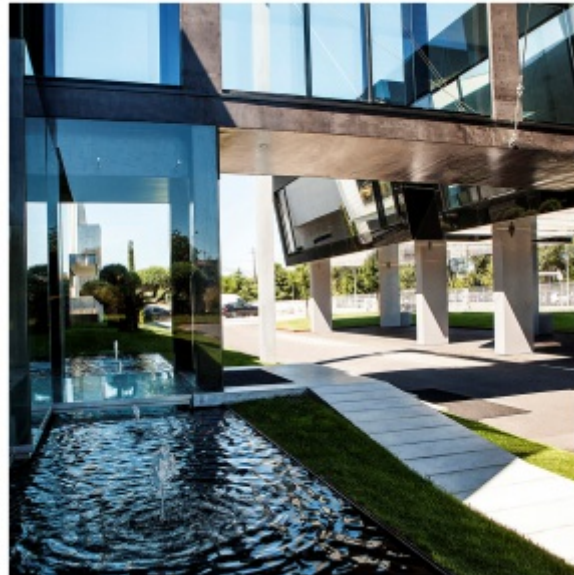


Our daily work activities can have a negative impact on the environment, such as air and water pollution, waste disposal or the overuse of natural resources, among others.

At the same time, we depend on the environment to gain access to the means of production such as soil, energy and water.

“Greening” has imposed itself on Petrutex, on the one hand as a necessity to help the planet, and on the other hand, as a necessity to manage our business sustainably and successfully.

We offer products and services that are explicitly “green”, most often based on technological innovations.



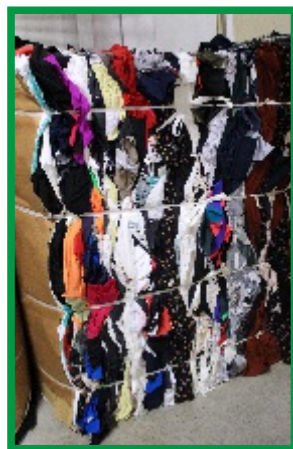


WASTE RECYCLING AND REDUCTION

- We are engaged in the collection and treatment of waste with a view to recycling, composting and disposing of it, using methods that are as ecological as possible.
- We include in our day-to-day thinking, to: **reduce, reuse and recycle.**

Our results:

- Our recycling rate is currently 92%, with the goal of increasing this value.
- Bearing in mind that textile waste represents 50% of the total, we chose to work with recycling partners, managing to divert 121 tons/year of waste from the landfill.



Baler to compact solid waste.



CONSERVATION OF ENERGY AND WATER

- We save water, heat and electricity.
- We hardly use renewable sources.
- We use 100% CERTIFIED GREEN ENERGY** from renewable sources, using energy from water, the sun, wind and organic sources.
- We avoid the use of chemicals or other dangerous substances that can cause air, soil or water pollution.
- We use low-consumption lighting to reduce our consumption. LED lamps are used whenever possible.
- Thermal energy is reused in processes that use hot water to pre-heat the water.
- For machines where it is possible (for example, compressors, water pumps, exhaust fans, etc...), we use frequency variators in order to be more efficient.
- Installation of a system for controlling energy consumption in real time in the equipment where there is the greatest expense: textile machines, compressors, air conditioning, etc...



LED's Lights. Soundprof ceiling.



Energy of the Sunlight

-We use solar panels to produce electricity instead of producing it from non-renewable sources.

-We have installed skylights (solartubes) to maximize the use of natural light.

-Our solar lights provide better light while offering the advantage of free recharging.



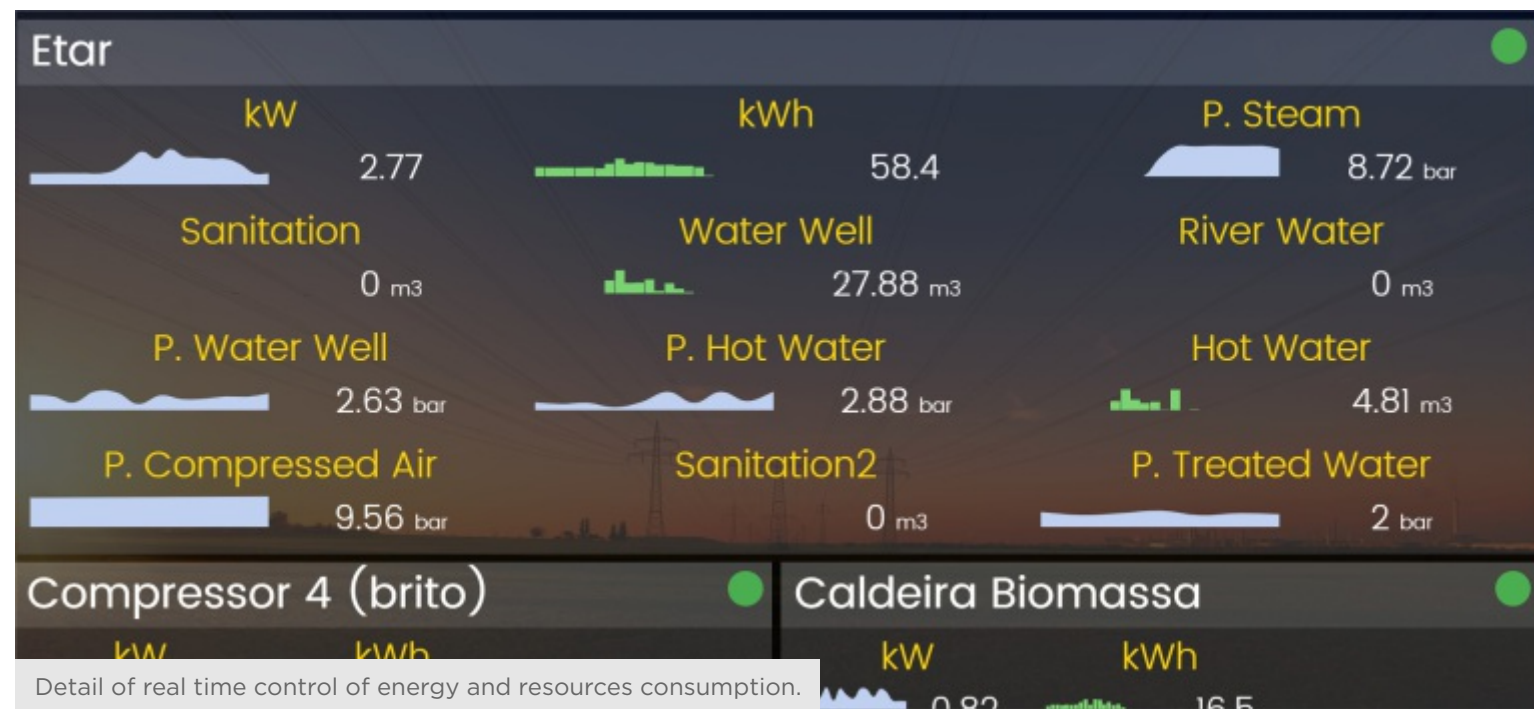
SET.2012→JAN.2020
-1073.88tCO₂





Energy of the water

- Installation of a water consumption control system in real time in the equipment where there is the greatest expense - textile machines.
- Implementation of an automatic irrigation system in conjunction with soil moisture control, to increase irrigation efficiency.
- It allows to detect problems in advance.
- It allows to do Energy + Production control in real time.
- It improves the quality of production .





Real-time control and registration of the company's energy and water sources:

- Energy consumption of the most electric-consuming machines.
- Energy consumption of the production line, for smaller equipments.
- Compressor energy consumption.
- Energy consumption of the various floors of the offices.
- Energy consumption of the canteen.
- Global energy consumption of the company.
- Control of the global electrical production of photovoltaic systems.
- Measurement of water wells, the wastewater treatment plant.
- Measurement of sanitation and rainwater.
- Compressed air pressure control.
- Control of water pressure.
- Control of hot water pressure.
- Steam pressure control.



Display of real time control of energy consumption.

The system issues an automatic daily, weekly and monthly report of all items on record. All vestments are stored in the database and are accessible anywhere in the world via internet on the PC or mobile phone.

Energy of fire & organic elements

Biomass:

For heating we use pellets, which are a 100% natural and ecological fuel with neutral CO₂ emission.



Biomass boiler for heating.



Our results:

- Through the different projects carried out since 2015, we have reduced energy consumption per unit of production by 19% and CO2 emissions per unit of production by 19%.
- With the installation of solar panels in 2012, we have avoided the emission of 1073.88 tons of CO2.
- In 2019, more than 400kw of panels were installed, thus producing 720kw in total.
- Thanks to biomass, we avoid the emission of 263 tons CO2 / year with the use of pellets.
- Through our wastewater treatment unit (WWTP), where water is treated in our production process, we are able to reuse approximately 30m³/day of water for, amongst other things, sanitary discharges and cleaning of the manufacturing area.
- Installation of water recirculation in washing processes that allow the reuse of 20% of the water used in each wash.

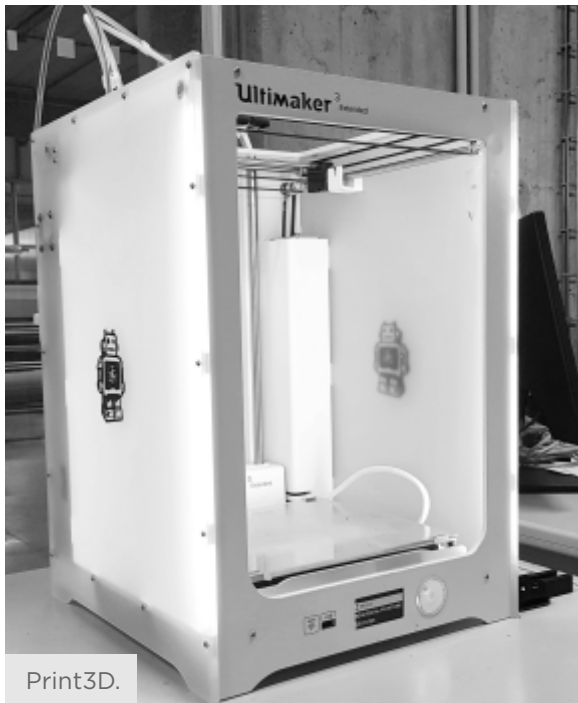


Waste water treatment for our industrial discharge.



POLLUTION PREVENTION

- We use equipment with low carbon dioxide emissions.
- We use biodegradable materials (print 3D).
- We reduce the dispersion of polluting products in the environment by ecological measures such as air or water filtration.
- Calculation of emissions in production: we are able to measure energy consumption and greenhouse gas emissions from our direct operations, which allows us to calculate energy consumption and CO2 emissions per piece produced, in real time.





GREEN PRODUCTION LINE

-We have a line specialized in repairs, allowing us to provide a clothing maintenance service, offering: repairs, alterations and special treatments for Customers worldwide, converting the pieces into ecological clothes.

In this way we help clothes to last longer, and to take care of our planet.

NEED A
GARMENT REPAIR?



RE[use]-[pair]-[cycle]



Before



Renew



GREEN SAFETY

- CO2 level control in the manufacturing area.
- Control of the light level in the work stations.
- Control of the temperature level in the work stations.



Carbon emission and energy consumption information.





GREEN ENVIRONMENT

-The chemicals used in our printing processes, fully comply with the Reach regulation, and have various certifications such as GOTS, Bluesign, ect...

In this way we are respecting the environment, and taking care of the people who intervene in the productive chain as well as the final consumers of our product.

-We have a green area with numerous trees.





GREEN SUPPLY

- We work with Suppliers who provide us with materials that respect the environment (recycled, recyclable, organic, natural, biodegradable, etc...)
- We favor Suppliers who are the closest to our Production site.
- We choose Suppliers who adopt ecological processes, supporting certifications (GOTS, BCI, GRS, etc...)**
- We avoid transportation to distant places.





GREEN ADVANTAGES:

- Access to markets – not only because customers increasingly demand products that respect the environment through ecological awareness, but also for health-related reasons (better safety of non-toxic products) or for financial reasons (lower operating cost).
- Cost savings, as water, energy and other bills go down resources are used more efficiently.
- Access to support, financial and non-financial, since governments are giving increased importance to environmental considerations.
- Improved productivity due to a healthier workforce whose ability to work is not compromised by health risks such as toxins in the workplace.





GREEN LIFESTYLE

- We provide workplace safety with freedom of expression and equal opportunity.
- Our canteen only uses organic food from Local Suppliers.
- Our green spaces and our animals enjoy full freedom of movement (peacocks, swans, frogs, fish...), enjoy the comfort and the protection of the eco-system.
- The company encourages the purchase of hybrid or electric cars by allowing free charging during the visitors stay in the company, further incentivizing co2 reduction.





GREEN CERTIFICATION: WE ARE “GOTS” CERTIFIED!

Since the beginning of our activity, we strive to respect the environment, and this, in all aspects of our production process. Because we have an ecological conscience in our daily life, **we are now GOTS certified.**

The World Standard for Organic Textiles (GOTS) defines high environmental standards throughout the production chain and also requires compliance with all social criteria.

It guarantees us the use of raw material of known origin and also produced in a sustainable way.

Obtaining the GOTS certificate is the conclusion of a stage in our continuous effort towards ecological and ethical production.





WE WILL BE "ISO" SOON!

-We are in the process of certification to ISO 14001 - Environmental Management System, to ISO 9001 - Quality Management System and also, to ISO 13485 Medical devices - Quality management systems.





Our FUTURE projects: BE GREEN AS GRASS!

