



Paprec is dedicated to addressing the environmental challenges that we face in the 21st century

"The earth is our most precious asset, and we want to preserve the future for the coming generations. Therefore, we need to save natural resources and energy while contributing to the decarbonisation of the economy. By providing practical, innovative solutions to recycle and recover as much waste as possible, our group is at the heart of the ecological transition and is responding to those three objectives. In the past 30 years, we have become the French leader in materials recycling and a major player in the production of green energy. Our growth model has been built around the objective of creating a greener planet through a fundamental commitment to a more caring company. Promoting equal opportunities, diversity and fraternity are all part of our group's DNA. We are proud to have built a group that stands firmly on both feet, present in France and internationally in more than ten countries."

Petithuguenin family

The Paprec Group

Climate change, scarcity of natural resources, soil depletion, energy sovereignty, and reindustrialisation. Our group intends to respond to all these challenges facing humanity. The three pillars we implement are: recycling, green energy, and a return to Mother Nature.





57%

the percentage of Paprec shares held by the Petithuguenin family.

As a majority shareholder, the family is a great example of long term investing.



Paprec, a success story

The story of our group, Paprec, began in the Parisian suburb of La Courneuve in 1994. The founder, Jean-Luc Petithuguenin, took over a small company specialising in paper and cardboard recycling. Thirty years later, our family has grown to 13,000 employees and in 2023 achieved 3 billion euros in revenue. Today, nearly 70,000 industrial customers and 1,500 local and regional authorities trust us. The intuition that led to the creation of Paprec was spot on: waste matter has become this century's prime raw material. Recycling them as materials or energy allows us to conserve

natural resources and to limit CO2 emissions, thereby helping to decarbonise the industry and combat climate change.

As champions of circular economy, we are present in all three recycling loops. The material recycling loop is our core area of expertise, and we are one of the leaders in Europe. Next in importance is energy recycling and the production of green energy, and we have become a key player in Europe in this domain as well. The third loop is the organic waste, and the return to its natural state.

In this sector, which is still in the development stage, we have been recognised as a leader by the European Commission.

Paprec, a family-owned group with a long-term vision

The Petithuguenin family, led by Jean-Luc and his sons Sebastien, Mathieu and Thibault, hold the majority of shares and are committed to upholding the company's long-term vision. These leaders serve as a symbol of the group's family spirit and are crucial to its success. Additionally, the group has strong financial

support from reputable institutions to aid in its ambitious growth plans.

Since 2013, French State Public Investment Bank (Banque Public d'Investissement) has been a shareholder in Paprec, recognizing recycling as a crucial activity for France's sustainability, and our group as the leading French company in this field. In 2021, the Vauban Partners (Natixis Group) and the Crédit Agricole Group have invested capital in the group, joining the ranks of BNP-Paribas and Arkéa, two other major French banks.

Paprec's numbers

3

billion euros
in revenue in 2023

300

industrial sites

13 000

employees

29

waste-to-energy plants
with a capacity of 4 million tonnes

16

million tonnes
of collected and processed waste

65

countries
we export to

Paprec internationally



Material
recycling

8

million tonnes

Paper – CIW
Cardboard – Bulky waste
Plastics – Presorted waste
Ironworks – WEEE – Metals
Construction site waste
Wood – End-of-life vehicles



Energy
from waste

4

million tonnes

Incineration
Solid waste fuel



Back to Mother
Nature

2

million tonnes

Composting
Organic waste
Amendment
Methanogenesis
Capture of methane gas from
non-hazardous waste storage facilities



Stockage

2

million tonnes

Storage



2,5

billion euros

Total investment by Paprec in its production facilities since its inception.

Aiming for excellence

Excellence is our trademark. We are meticulous with every detail, not only the materials we produce, but also the services we provide to our customers. In terms of technology, Paprec not only uses the best available tools, but also invests in tools for the future. Our goal: to improve waste collection and recycling. We aim to constantly enhance our performance and responsiveness to our customers' needs.

A long-term strategy

All the decisions within our group are taken with the long term in mind. Our aim is to build a stable and long-lasting family group. To achieve this, we devote a significant proportion of our profits to growing our business and investing in top-quality industrial equipment.

Putting people at the heart of the system

People are the core of our group. They are trained, supported, and encouraged to grow

along with their professions. Together, they bring vitality to a community that values inclusivity and equality, with a shared desire to tackle new challenges.

Maintaining agility during growth

We want to grow while maintaining our efficiency and responsiveness, which are at the heart of the Paprec model and its success. By adopting a decentralised organisation that puts people at the heart of the process, we are meeting two objectives. We encourage individual initiatives by entrusting major responsibilities to each employee. This has allowed us to win over thirty awards since it was founded, including the European Sustainable Development Prize in 2019. And even more recently, with the Industrialist of the Year award in 2020.



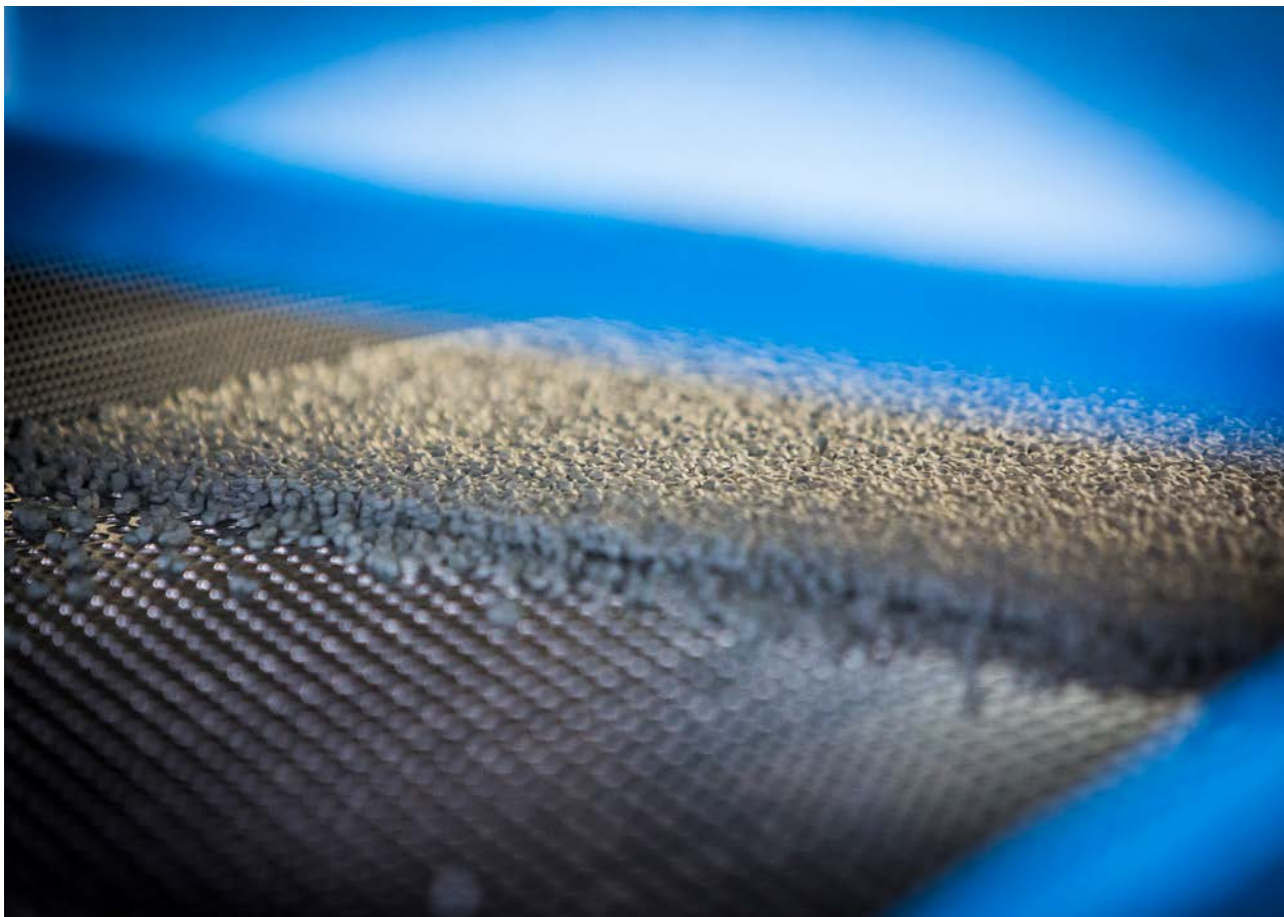
Waste sorting centres on the cutting edge of technology

The innovation at Paprec also complies with French law, which requires certain performance criteria to be met in order to certify the most efficient sorting centres. The objective is to encourage investment to develop materials recycling and achieve a reduction in landfill waste.

Our Proficiencies

We are the French leader in recycling and a key player in green energy production. We are present throughout the entire waste life cycle. We play a major role in the circular economy and the decarbonisation of the economy, by developing innovative solutions to increase the recycling rate of waste and waste recovery.





Committing to excellence

Cutting-edge equipment, high-quality materials, expert staff and respect for the environment: **Paprec's commitment to excellence has been applied at every level since its creation.** This philosophy has enabled the Group to receive the EY Entrepreneur of the Year Entrepreneur of the Year award in 2012 and the Industrialist of the Year in 2020.



A key player in the ecological transition

The French leader in recycling

We are the specialists in the recycling of paper and cardboard. We have expanded our know-how to plastic, electrical and electronic equipment waste, building site waste, hazardous waste, scrap metal, wood and green waste. Our central sales unit, FCR, markets 8 million tonnes of raw materials from recycling, first in France, but also in Europe and internationally.

A major player in green energy in France and internationally

Thanks to the activities of the Paprec Energies division, we are now number 3 in France in this field and are present in several countries.

We also produce solid recovered fuels from pre-sorted non-hazardous industrial waste. In our energy and biomass recovery plants, we convert household waste and wood into heat and electricity. Paprec has its own storage facilities for non-hazardous waste. The biogas captured at these facilities is converted into heat, municipal gas, or electricity.

An expert in agricultural valorisation

We are transforming organic waste from the catering and food industry into agricultural fertiliser, heat, or electricity.



The specialist in plastic regeneration

Paprec is the leading company in the French market with over ten specialized plants. Our plant located in Burgundy, Paprec 71 recycles HDPE packaging to make it reusable for food packaging. It processes 300,000 tonnes out of every million produced in France. Paprec is also innovating with TotalEnergies to recycle packaging chemically.

A prominent figure in Europe's recycling industry

Recycling is a key element in preserving our planet's resources and reducing environmental impact. By avoiding the waste of natural resources and energy, we safeguard the industry's supply of raw materials and lower CO2 emissions. At Paprec, recycling is our primary focus, and we have established ourselves as the market leader in France over the past 30 years. Our commitment to industrial excellence guarantees the highest waste recovery rates for our customers. We take pride in being trusted by 70,000 industrial customers and 1,500 local and regional authorities in France to effectively recycle their waste into raw materials.

Industrial expertise in sorting

Every year, we invest in our production facilities. It allows us to upgrade them to meet our customers' expectations. Paprec's commitment to innovation is key. The Group works daily to optimise maintenance, traceability, transport, software; using artificial intelligence to enhance its processing performance. The company encourages the emergence of innovative solutions in all areas of the circular economy and waste recovery.



Trivalo LYON

Our waste sorting plant in Lyon sorts 70,000 tonnes of household waste. We are modelling plants after the one in Lyon, equipped with cutting-edge technology such as optical sorters and AI-powered sorting robots like MAXX. They are designed to efficiently manage household waste. In fact, our sorting centre in this area is the first to operate MAXX, which has significantly increased our recycling capabilities. Thanks to these innovations, we can capture up to 97% of recyclable materials from the waste stream arriving in our plants.

A combined heat and power plant for the town of Krosno in Poland

Paprec has been entrusted by the town of Krosno in Poland to construct a boiler plant that is fuelled by Solid Recovered Fuels (SRF) using oscillating furnace technology. The waste will be transformed locally, making it the first time that the ROCK (Rotating Oscillating Combustion Kiln) furnace has been installed in Poland for RDF recovery. Paprec Energies patented this innovative recovery technology, which has been installed in 33 waste treatment plants globally. This marks the first time that it has been chosen for a 100% SRF boiler plant, a significant milestone that paves the way for more such projects.



Capturing and recovering biogas in Non-hazardous waste storage facilities

In the absence of oxygen, organic household waste undergoes fermentation which produces a reaction, resulting in the creation of biogas, known as methanogenesis. This biogas can then be utilised by injecting it into engines, turbines, and boilers to generate heat and electricity.

A major player in the production of green energy

When waste cannot be recycled, converting it into energy (electricity, heat, or gas) is a beneficial solution that is good for the environment. This process replaces fossil fuels and reduces greenhouse gas emissions, making an important contribution to decarbonising the economy. Paprec Energies specialises in energy recovery and offers solutions to local authorities and private clients, including high-performance plants for generating green energy from waste. In France, the United Kingdom, Poland, and Azerbaijan, we recycle four million tonnes of household waste annually to produce electricity, steam, or hot water for use in heating networks.

Recovering waste through combustion

Energy recovery is a process designed for waste that cannot be recycled or recovered as materials. It involves the recovery of energy produced during waste treatment through combustion. This energy is then utilised in the form of heat or electricity. The waste is combusted in a waste-to-energy plant that is built and operated in compliance with specific standards to minimize environmental and health impacts. This model is the most commonly used for municipal waste.



Production of solid recovered fuel (SRF)

When sorting through industrial waste, building site waste, and household waste, solid recovered fuel can be produced as an efficient method of reducing landfill volume. This fuel has the potential to recover as much as 98% of household waste or CIW.

The European Commission recognises Paprec Agro

South- East of France, a compost manufacturing site called Paprec Agro in Dordogne sells compost to farmers in the area. The team of engineers behind the operation have also created an eco-farm based on agro-forestry principles. On a four-hectare plot, 500 trees have been planted and vegetation cover and compost have been added to simulate a natural cycle, all without chemical inputs or added water. The project was awarded the sustainable development prize by the European Commission.

Starting in 2025, Paprec will be recovering organic waste from the city of Paris

Our goal is to swiftly establish ourselves as leaders in the agricultural recycling market. Our plan is to conceptualize, construct, and manage a cutting-edge methanogenesis facility for agricultural waste and biowaste from households in Parisian area. This facility will be located in Gennevilliers (Hauts-de-Seine) and is scheduled to be operational by mid-2025, with the capacity to process up to 50,000 tonnes of waste per annum. The biogas produced will be injected into the Paris grid, reducing dependence on imports. The plant is expected to produce 43,000 tonnes of agricultural fertiliser each year, in addition to gas. It will ultimately generate 36,000 megawatt-hours annually, sufficient to power nearly 5,400 homes.



Paris bio-waste methanisation plant



An innovative and ambitious player in the recycling of agronomic waste

Every year, households, supermarkets, the food industry, and restaurants produce millions of tonnes of organic waste. In the past, this waste was either incinerated or landfilled. Nowadays, agronomic recovery enables the waste to be transformed into organic soil enhancers that can be returned to the soil. These fertilisers are mainly used by farmers and contribute significantly to preserving the environment. By composting the waste, the natural balance is maintained, and the major natural cycles of carbon, nitrogen, and other elements are respected. Paprec has been dedicated to developing this sector for many years to make this virtuous circle even more tangible.

1. composting

Organic waste is crushed through a natural process and transformed into compost. This compost, which is mature, refined, and crisp, is used by farmers as a replacement for pesticides. This eliminates the need for chemical fertilisers

2. methanogenesis

Organic waste undergoes fermentation and is processed in a digester to remove oxygen, resulting in the production of biogas. This biogas can be utilized as a source of biofuel or to generate heat for district heating networks, among other applications.

What we do

Paprec is a leader in the recycling industry, thanks to their industrial facilities and dedicated employees. They are committed to building a sustainable and circular economy that benefits both people and the planet. By avoiding the use of virgin raw materials and reducing greenhouse gas emissions, the Group is making a positive impact on the environment.





4905490

**Equivalent tonnes of CO2
of GHG emissions avoided**



The fight against global warming

Our efforts play a crucial role in reducing the amount of greenhouse gas emissions released into the atmosphere and protecting the environment. By producing recycled materials, we avoid extracting virgin raw materials and save energy used in the production of cast iron. Since 2011, we have been closely monitoring our greenhouse gas emissions. It has been determined that 79% of these emissions are linked to the fuel consumption of waste collection vehicles, while 18% are due to energy consumption for the operation of waste collection vehicles. To minimize our environmental

impact, we have invested in several initiatives over the past few years. These include:

- Optimising collection rounds thanks to Real-time geolocation
- Use of hybrid or biofuel vehicles
- Eco-driving training for drivers
- Use of river transport

Furthermore, our subsidiary Paprec Agro helps to store carbon in the soil by recovering organic waste. This initiative received the Sustainable Development prize from the European Commission.



Decarbonising the economy

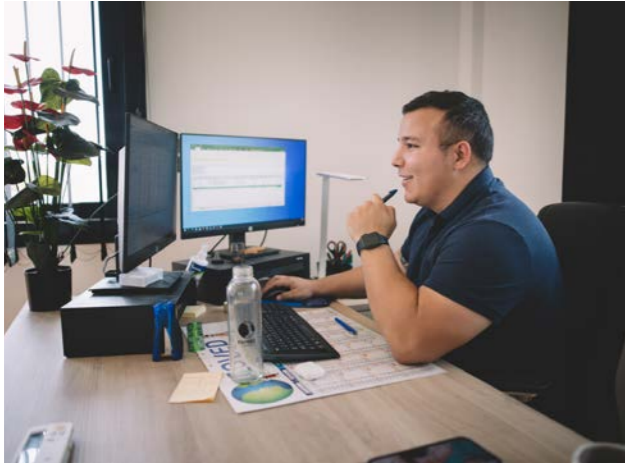
Our business model revolves around protecting the environment by repurposing waste and reducing the exploitation of natural resources. We are also taking measures to minimize the impact of our plants on their surroundings by implementing environmental management systems at a local level. Through our efforts to recycle waste and preserve natural habitats, Paprec is committed to promoting biodiversity. To further strengthen this commitment, we have taken various actions such as:

- Paprec has made a commitment to preserve biodiversity by integrating initiatives into all its activities through the "Act4nature" agreement signed in 2018.
- The company has continued its partnership with Humanité et Biodiversité that started in 2020, which focuses on developing actions at the heart of the territories where Paprec operates.
- The company has also drafted a "Biodiversity Action Plan" that raises employee awareness and controls the impacts associated with its landfill activities.
- To preserve the landscape, Paprec plants trees in its methanogenesis units.
- Additionally, the company has created a new process for recovering oyster-farming waste in conjunction with organic farming.

- The Paprec Agro centre has been conducting soil restoration projects that have won several awards, including the European Commission's Sustainable Development award.

Due to the site's classification as "installations for the protection of the environment", preserving biodiversity is a significant concern. Impact studies are conducted, and projects to monitor the surrounding fauna and flora are implemented. Additionally, activities such as beekeeping, tree planting, and eco-pasturing are established to support these efforts.





Diversity, a major asset

Paprec has always been committed to embracing diversity in its recruitment process, welcoming individuals from various backgrounds, ages, genders, and nationalities (86 represented). The company values its people as the backbone and driving force behind its success. Diversity is not just an asset but also a source of strength, and therefore, the group ensures that it is well-maintained. This diversity thrives because the employees share the company's common values, vision, and ambition.



Building a more caring company

Paprec's values of promoting social cohesion and fighting against discrimination are deeply ingrained in the group's culture. In addition to prioritizing diversity and equality, Paprec is also actively involved in the social economy.

Diversity

At our core, we value and honour the unique perspectives, backgrounds, and beliefs of every individual, regardless of their origin, culture, religion, education, or age. Our mission is to actively combat discrimination in all its forms and advocate for equal opportunities for all.

Excellence

The progress and success of our organization rely on both individual and collective performance. Each member plays a vital role in ensuring customer satisfaction through their dedication and professionalism. We strive for continual growth and development.

Kindness

Having kindness and goodwill towards others is crucial for the success of the group as a whole.

Team spirit

Team spirit and solidarity are also key factors in achieving our goals.



87

Birth countries represented

Rewarding excellence within the company

Our Group is dedicated to recognizing the outstanding efforts of our employees each year through various professional categories. These winners are chosen for their exceptional commitment, dedication, and positive qualities, and are presented by their respective line managers at a meeting with all branches, subsidiaries, and regional managers. The awards are presented at our convention in front of 1,800 Group managers, and since its creation in 2004, over 600 employees have been honoured with this prestigious trophy.



Head of Communication: Thibault Petithuguenin
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Edouard Mazaré, Gilles Rolle, Arthur Joncour, Benjamin Sellier,
Sébastien Sindeu / Page 28: Strijdom Van Der Merwe
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Paprec
7, rue du docteur Lancereaux
75008 Paris
www.paprec.com