

Paprec's magazine for a greener planet

paprec

Mag n°54

Summer 2026

INTERVIEW

Guy Sidos,
Chairman and
CEO of Vicat

REPORT

Refurbished
goods are good
for the planet!

SPONSORSHIP

Démos introduces
young people from
working-class
neighbourhoods to
classical music



FEATURE

Paprec at the heart of major waste-to-energy projects



PAPREC



▶ Baling press
La Courneuve plant

Paprec sells 2 million tonnes of paper and cardboard per year.



'100% French technologies to decarbonise the economy'

The Energies division of the Paprec group was created in 2021, with the arrival of two flagship French industrial names: Tiru and the engineering division of CNIM. Since then, Paprec Energies, with its engineering teams, has been one of the few groups with the capacity to design, build, and operate energy recovery plants of all sizes, which transforms non-recyclable waste into green energy. Our 100% French in-house technologies allow us to tailor design methods to our clients and to local areas, the same methods that have driven the group's success in recycling. These technologies enable us to offer unmatched energy and environmental performance, and to thus contribute to the decarbonisation and the development of the energy independence of local areas.

We are currently carrying out around fifteen construction and modernisation of various plants, some of which are among the largest

in France. Our most recent contract is the modernisation of the recovery plant at Saint-Thibault-des-Vignes, in Seine-et-Marne. This is an ambitious project led by a committed local authority. Another flagship project is our solid recovered fuels plant, created as a joint venture with the cement giant Vicat, in Martigues. This plant transforms the Paprec group's sorting rejects into fuels that replace coal in the cement works' kilns – a concrete step forward to accelerate the industrial sector's decarbonisation. In this issue, Guy Sidos, Chairman and CEO of Vicat, shares his vision and his group's commitments in light of this challenge. All of these initiatives are a concrete illustration of the role we have chosen to play: to be, alongside our clients and local areas, a solutions provider for energy that is more efficient, more sustainable, and firmly focused on the future.

BERNARD HARAMBILLET

Managing Director, Energies France

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KEY FIGURES 2025



19,000
employees



400
industrial sites in
10 COUNTRIES



3.5 BILLION
euros in turnover



19 MILLION
tonnes of waste collected
and treated



The group sells
raw materials in
65 COUNTRIES



7mt CO₂
captured (millions
of tonnes of CO₂)



1,500
local authority clients



70,000
industrial clients

THE DEVELOPMENT OF PAPREC IN FRANCE AND INTERNATIONALLY



400
branches and plants

10
countries

7 million
tonnes of CO₂
captured

In Brief

MERGER

LÉLY Environnement : the Isère gem in Paprec colours

With 150 employees and an annual revenue of 65 million euros, the company LÉLY Environnement has joined Paprec following the approval by the Competition Authority. This merger strengthens the group's regional presence in Rhône-Alpes and forms part of a strategy of operational excellence, as Éric Teilhard, Managing Director Grand-Est at Paprec, explains: *'Together, we will continue to grow this well-established brand in the region, carrying forward the family adventure and drawing on the expertise and values behind its success.'*

The story of LÉLY Environnement began in 1930, when Fernand Lély, newly settled in Grenoble, started collecting industrial hides from local tanneries. Joined by his two sons, he founded the company Transports F. Lély et fils in 1964. This was the first step in the waste business, which was followed by the development of waste storage, a sorting centre, a composting platform, and then a biogas cogeneration unit for the recovery of residual waste.



▶ Lely Environnement
ECOPOLE
(Saint-Quentin-sur-Isère)

In Brief



COLLECTION

Paprec, a leading partner

From Rouen to Montpellier, and taking in Île-de-France, Nantes, and Toulouse, Paprec is establishing itself as a leading waste collection partner for French local authorities. Present in an ever-growing number of large urban areas, the group is continually extending its territorial coverage across France.

Paprec is committed to meeting today's waste management challenges, focusing on performance, innovation, education, and in particular customer satisfaction. The group thus offers a complete digital management solution. Among the tools in use: geolocation of collection rounds, 360-degree ca-

meras for safety and for analysis in the event of a complaint, artificial intelligence to detect sorting errors, and a customer portal offering real-time traceability.

To support its local authority customers in the ecological transition, Paprec also offers fleets of vehicles with alternative power sources (electric, NGV, biofuel). Finally, within the framework of performance contracts, Paprec runs awareness campaigns for users to improve sorting habits. This is the case in particular in Montpellier and Toulouse.

INTERNATIONAL

Heading for Italy !

Paprec is continuing its growth and opening a new chapter by setting up in Lombardy, one of Italy's industrial powerhouses, in the north of the country. For this venture, the group is partnering with Ivan Convertini by taking a majority stake in his company, founded in 1984.

The Convertini company manages nearly 50,000 tonnes of waste each year (collection and treatment of ordinary industrial waste), with genuine on-the-ground expertise and a service recognised by local manufacturers.

The DNA of Paprec and Convertini strengthen one another: a solid organisation, high standards, and a genuine close relationship with customers. This new site marks an important new stage for the group, which intends to win market share among manufacturers in the north of the country. *'Joining Paprec is a wonderful opportunity to accelerate our growth while preserving our identity. Together, we will strengthen the offer for Lombardy's manufacturers,'* says Ivan Convertini, head of the Italian company.



SORTING CENTRES

News plants inaugurated

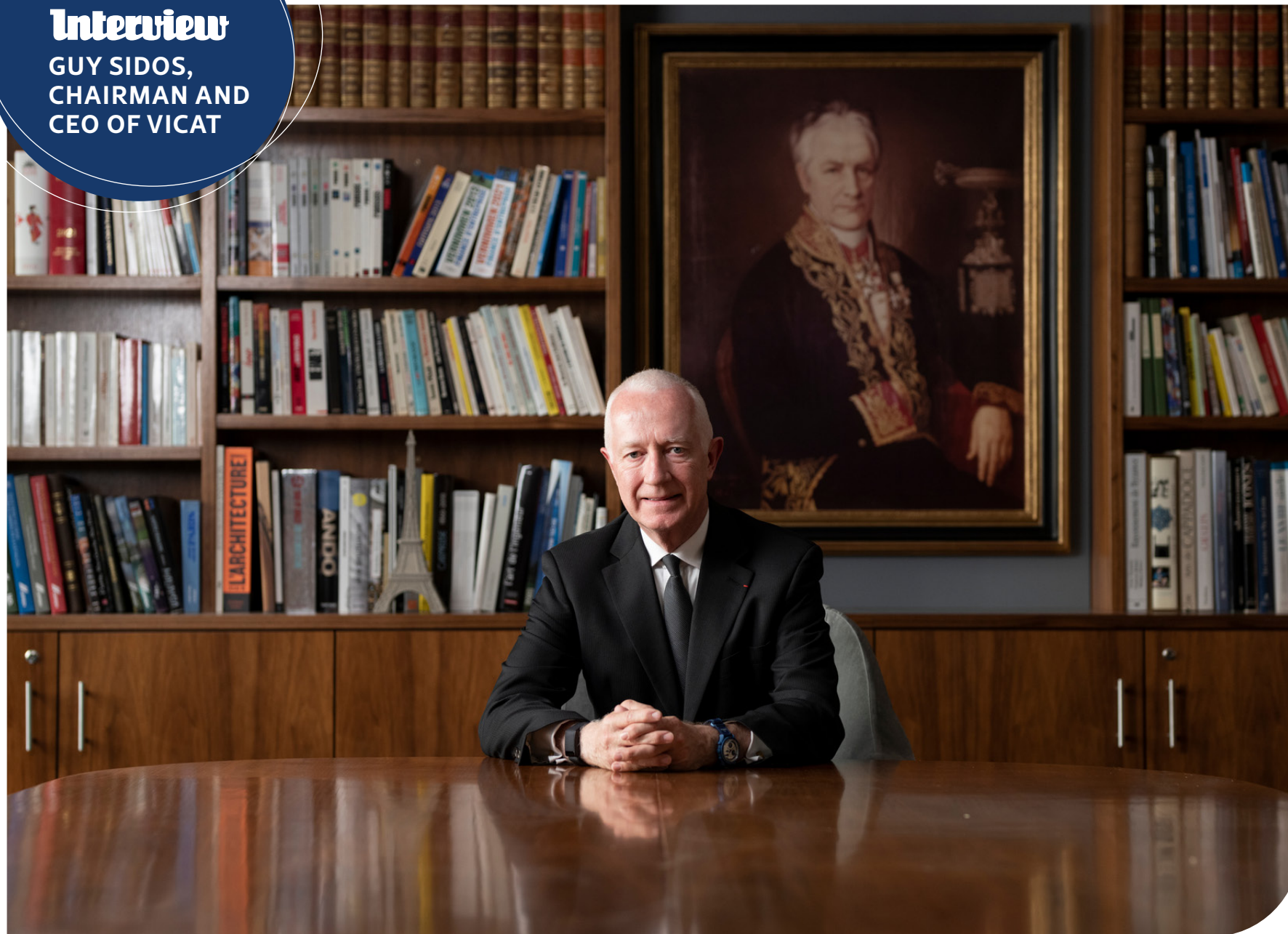
With around forty sorting centres operated across France, Paprec now sorts the waste of one out of three French persons. In recent months, the group has inaugurated several new plants: Auxerre, Périgueux and La Rochelle. The SPLI Tri Rhodanien plant, near Avignon, will be ready in 2028. These are brand-new plants designed, built, and operated by the French group.

Paprec regularly modernises the plants it operates, drawing on cutting-edge technology, as was recently the case near Lyon, Paris and Rennes.



Interview

GUY SIDOS,
CHAIRMAN AND
CEO OF VICAT



'Decarbonising our activities is a major focus of our industrial strategy'

Family capitalism, a long-term vision, values of excellence and generosity are just some of the many values Vicat, the leading cement company in France, and Paprec share. We met its Chairman and CEO, Guy Sidos, who has made decarbonising his activities a central theme of his industrial strategy.

▼ La Grave de Peille cement plant





▲ ALTèreNATIVE (Martigues)

Your group's DNA has many things in common with that of Paprec. How do you explain this?

Our DNA is French. We are a family-owned group, and we take a long-term view. These are three central elements that bring us closer to Paprec. This is important because our DNA drives us to secure the long-term future of our industrial sites in France. To do this, we must be competitive. One of the keys to competitiveness is operating locally and creating value with the players in the areas where we are based.

This vision allowed us to be selected for the very large Lyon-Turin tunnel project. Together with French partners, we were able to meet highly complex technical requirements. We won this contract against very tough competitors, thanks to our competitiveness and our expertise. Technical skill, commitment, mastery of major projects, and local coverage: these are the keys to success!

Is decarbonising your activities a priority for the upcoming years?

It is a necessity because the problem with cement is precisely the extraction of carbon from limestone. Limestone is calcium carbonate and releases CO₂ during firing in order to produce clinker, the active ingredient of cement.

60% of our CO₂ emissions are linked to this so-called decarbonising of limestone and 40% to the production of heat to make clinker. For many years now, we have therefore tackled these issues by activating three levers.

The first: the modernisation of equipment. A modern plant consumes 30% less energy, notably electricity. Vicat invests on a massive scale, as with our new kilns in the United States and Senegal. Each kiln represents an investment of between 300 and 350 million euros.

The second lever is moving away from fossil fuels. Heat in our activities was historically produced using coal. Even today, most cement plants in the world run on coal.

We now recover the energy-recoverable fraction of the waste from the cities we supply with cement. These materials come, for example, from bulky items at waste collection centres. What is not recyclable is turned into SRF (solid recovered fuels) to replace coal.

Is it at this precise point that our joint project 'ALTèreNATIVE' takes on its full meaning?

We are very pleased with this partnership. We chose Paprec based on human criteria: mutual trust, shared ambitious objectives, reciprocal sincerity, and industrial reality. The use of SRF is set to grow because we have very ambitious objectives to decarbonise our activities. Alongside Paprec, we have partnerships with other producers of substitute energy in France. To date, we have one plant that runs 100% on alternative energies. Two others are at 85%. As you can see, there is still a great deal of room in the future for players such as Paprec.

You have not yet mentioned the third lever...

The third lever is clinker, whose manufacture emits CO₂. Cement cannot be produced without clinker. But to decarbonise, the quantity of clinker must be reduced by adding products that will reproduce its properties, such as activated clays, which give very good results in terms of resistance.

Ultimately, thanks to new formulations and combinations, we can supply builders with exactly the amount of cement they need.. A cement with half the carbon footprint! Over the last 20 years, we have gone from 800 kg of CO₂ per tonne of cement to 400 kg.

Finally, I can even add a fourth and final lever for decarbonising our activities: the capture of CO₂ for its use or storage, notably with the VAIA project, which aims to decarbonise our cement plant in Montalieu, in Isère.



VICAT IN FIGURES

4 billion euros
in turnover

10,000
employees
in 12 countries

250 sites
in France

PAPREC AND VICAT FOUND ALTèreNATIVE

Paprec and Vicat founded the company 'ALTèreNATIVE', based in Martigues in the Bouches-du-Rhône. In total, 20 employees operate this plant producing solid recovered fuels (SRF) made from non-recyclable waste supplied by Paprec. It is the largest in France, with a production of 60,000 tonnes of SRF, which are used to supply the Vicat cement plant at La Grave de Peille, in the Alpes-Maritimes.



Paprec at the heart of major energy projects

2025 was a historic year for the waste-to-energy division of Paprec Energies. It is carrying out the largest project in the sector in recent years for SIETREM in Seine-et-Marne. Paprec now stands as a key player in this sector, the only one in Europe able to design, build and operate units of all sizes.

The SIETREM aims to become an environmental benchmark

Paprec Energies will design, build and operate the SIETREM's future waste-to-energy plant in the north of Seine-et-Marne, at Saint-Thibault-des-Vignes. The technologies put in place by the group will enable it to achieve the highest possible energy and environmental performance.



With a turnover of 1.3 euros billion over 26 years, the SIETREM contract is the largest ever won by Paprec, and the most ambitious waste recovery project signed in France in 2025. It is a striking recognition of the group's expertise and of its ability to meet the most demanding needs of local authorities.

A higher-performing and scalable plant

This future facility will combine energy performance and territorial resilience. With an investment of 239 million euros, the future waste-to-energy plant (WEP) will be fitted with two new furnaces, raising its annual processing capacity to 215,000 tonnes. It will be equipped with boilers operating at higher than usual temperatures and pressures. The result: yields unprecedented on the market, with 143 GWh of electricity produced per year and a thermal output of 73 GWh/year dedicated to the district network, with even a doubling in time to reach 146 GWh/year of heat.

The plant is designed to be resilient: a single one of its two lines will be able to fully supply the district heating network, guaranteeing continuity of service even during technical shutdowns. It is also built to scale, anticipating tomorrow's solutions today — CO2 cap-

ture, new heat pumps, ongoing process optimisation. Ultimately, the Paprec group's project aims for high performance, maximising electricity and heat production while cutting emissions as much as possible, with significant room for future expansion.

A model of environmental integration

Beyond its performance, the plant will be a benchmark for environmental standards. Flue-gas treatment will go beyond current requirements, and resource management will be optimised through a closed-loop water cycle that drastically limits the impact on natural resources. Far from being a closed-off industrial site, the plant has been awarded the "Oasis Nature" label by the association Humanité et Biodiversité: an educational trail and a dedicated room will allow local residents to engage with the site and see for themselves how their waste is transformed into energy.

Work will begin in mid-2027, with commissioning scheduled for early 2031.

THE KEY FIGURES OF THE CONTRACT :

- **26 years** of public service delegation with the SIETREM
- **215 000 tonnes/year** of processing capacity
- **€239m** of total investment
- **143 GWh/year** of electricity produced (that is, 37,000 homes supplied with electricity over one year)
- **73 GWh/year** of heat produced (that is, 6,000 homes heated per year)

'Today we are the only ones in Europe to design, build and operate energy-production plants of all sizes, thanks to a 100% French portfolio of technologies and to the creativity of our engineers.'

Sébastien Petithuguenin,
Vice-President of Paprec



Saint-Thibault-des-Vignes, Chaumont-sur-Loire, Lasse and Nantes ... Over the past few months, Paprec has won several major design-build-operate contracts for waste-to-energy plants (WEP). At the same time, it has renewed several local-authority clients: Pontenx-les-Forges, Bourg-en-Bresse, Vitry and Pontivy. *'The French waste-to-energy market is going through a major renewal phase, in a context of an ageing fleet with many facilities more than 30 years old,'* notes Grégory Richet, Deputy CEO of Paprec Energies. *'Furthermore, local authorities need to develop plant capacity, while the amount of the TGAP (the general tax on polluting activities) is rising and landfill options are declining under the 2015 energy transition law.'*

In this context, thanks to the technical expertise of the teams and to 100% French in-house technologies, the Paprec Energies teams offer innovative solutions to their clients to support them in their ecological transition. The technologies it offers its clients make it possible to achieve high energy and environmental performance. This helps to contribute to decarbonisation and to the development of energy autonomy in the regions.

PAPREC ENERGIES IN FIGURES

200 plants
built

33 waste-to-energy plants (WEPs) managed
in France and internationally

28 patents filed
by Paprec Engineering



The Salamandre get a fresh look



Located in the heart of Maine-et-Loire, the 'La Salamandre' WEP is set for a fresh look. Paprec has secured the public service delegation for the next 25 years. A major contract that aims to turn this plant into a model of performance and circularity.

In one of Paprec's first areas of expansion, the group has proposed a genuine transformation of the SIVERT de l'Anjou waste-to-energy plant at Lasse, in Maine-et-Loire. The project is due to run from 2027 to 2030.

A high-level revamp

With an overall budget of 753 million euros and a duration of a quarter of a century, the site will almost double its treatment capacity, rising from 115,000 to 200,000 tonnes of waste per year. This increase in capacity is accompanied by a boost in annual energy production, aiming to supply the equivalent of 60,000 households with electricity and to provide nearly 40,000 MWh of heat.

The technical achievement rests on a bold challenge: to expand the industrial facility while drastically reducing its environmental footprint. Paprec is committing to targets that go beyond current regulatory requirements, with a 75% reduction in flue gas emissions and a 30% reduction in water consumption for treatment.

A local economic driver

'La Salamandre' isn't just a plant, it is the linchpin of a local circular economy. The site already supplies residual heat to 'Le Potager de Jade', a group of Nantes market gardeners, supporting sustainable agriculture. With methanisation units and an NGV-BioNGV station on the neighbouring business zone, the site strengthens its role as a local economic driver, meeting the needs of Angers, Tours, and the Sabolien region.

Une WEP capable of capturing CO₂ in the Morbihan



Commissioned in 1989, the WEP at Le Sourn, in Brittany, has reached a key stage in its development. As part of the ten-year contract renewal with SITTOM-MI in northern Morbihan, the site will benefit from an extensive modernisation programme (an 80 million euro investment).

The project, which began in January 2026, aims for a significant increase in the capacity of the future plant: the site's annual capacity will rise from 28,000 to 58,000 tonnes. Heat production, intended for local industrial firms (Lactalis, Akiolis and Galina Perrot), will jump from 44,000 to 108,000 MWh/year, complemented by electricity production of 48,000 MWh/year.

CO₂ capture: an advanced technology.

The project's centrepiece is the commissioning of the second line in 2028. Fitted with an innovative Rock furnace, it will capture 10,000 tonnes of CO₂ every year.

Paprec Energies, which built the Pontivy plant in the 1980s, is relying on innovative technologies which are used in cement and steelworks, to capture CO₂ chemically. This process involves dissolving the molecules in a solvent, followed by compression and liquefaction stages, in order to obtain CO₂ that is 99.9% pure.

KEY FIGURES FOR THE LASSE PROJECT:

- **25-years** contract with SIVERT de l'Anjou
- **200,000 tonnes/year** of treatment capacity
- **€174m** investment
- **137,000 MWh/year** of electricity produced (the equivalent of 60,000 households)
- **37,200 MWh/year** of heat produced

THE FUTURE LE SOURN WEP IN FIGURES:

- **10-years** contract with SITTOM-MI
- **€80m** total investment
- **58,000 t/year** of treatment capacity
- **108,000 MWh/year** of heat produced
- **48,000 MWh/year** of electricity
- **10,000 t/year** of CO₂ captured



▲ Repack3E Sarcelles (95)

▼ RAM (memory bars) are among the parts that are sorted, tested and reconditioned by the Repack3E teams.



Repack 3E : reconditioned equipment is good for the planet

Computers, phones, printers... to reduce their emissions, companies are turning to reconditioned equipment. The Repack 3E offer meets this need thanks to the expertise developed over the past eight years.



The company Repack 3E has set up its refurbishment site in Sarcelles, in the Val d'Oise. Inside are dozens of desktop computers, laptops, servers, and all types of IT equipment from industrial clients, data centres, etc.

Qualified technicians restore the equipment in workshops. As soon as the material is received, they begin by destroying the data in accordance with the requirements of the GDPR and of the

client. *'The security of our clients' data is paramount. We carry out a certified erasure according to a leading international standard, guaranteeing the total and irreversible deletion of the data. An official certificate is provided for each operation, ensuring full traceability and compliance with complex and demanding regulations,'* stresses Yohan Puget, Sales Representative at Repack 3E.

Sorting of parts for reuse

The devices then undergo a complete identification process: inventory, audit, diagnosis, recording of technical characteristics, serial numbers, anonymisation, repair, and assessment of the condition of the products. At this stage, the products are sorted to determine those that will be eligible for reuse and those that will have to be dismantled to extract the reusable spare parts: hard drives, RAM, fans, motherboards, or processors. These can then be used to refurbish other equipment that will be resold.

Bespoke spare-parts service

The Repack 3E teams offer their industrial expertise in dismantling and recovering spare parts from end-of-life equipment. All components are thus sorted, and even tested and refurbished if they are reusable. Depending on the need, they can then be returned to the client for reuse in a 'closed loop', or resold on a marketplace. *'Thanks to our dismantling activity, our clients benefit in two ways: they buy back a product that is more economical than new, while decarbonising their economic activity,'* notes Khalil Boulila, Director of Repack 3E. This is a service that supports a low-carbon trajectory through the integration of PIECS (parts derived from the circular economy) into production lines.

As for products that cannot be reused, they are handled by Paprec D3E. Our dedicated division recycles 100% of this waste, thereby ensuring full regulatory compliance and the best environmental performance. *'Whether it is IT, industrial or consumer equipment, we know how to refurbish everything. Anything that cannot be refurbished is always recycled in accordance with European D3E.'*



Our dedicated division recycles 100% of this waste, thereby ensuring full regulatory compliance and the best environmental performance. *'Whether it is IT, industrial or consumer equipment, we know how to refurbish everything. Anything that cannot be refurbished is always recycled in accordance with European D3E standards. We ensure full traceability of the processing, and we systematically provide the client with a recycling certificate,'* notes Khalil Boulila.

Covering the entire value chain

At the end of the operation, the client receives a personalised CSR report, in order to highlight the positive impact of this approach, in particular the tonnes of CO2 emissions avoided. *'I am very proud of the expertise developed by the team in just a few years. This demonstrates Paprec's ability to*

always meet the needs of the market. Today, our clients need compliance, simplicity, and competitiveness. We are now the only player on the market able to cover the entire D3E value chain with our own teams and industrial resources, thanks to Repack3E (reuse) and D3E (recycling). It is simple, effective and good for the planet!' enthuses Yacine Couppé, Director of Paprec's D3E activities.

The agency also employs workers living with disabilities. *'From the outset, we wanted to promote inclusion,'* explains Khalil Boulila, *'This gives people who are far from employment the chance to train and to develop professionally in the technical world of IT.'*

DID YOU KNOW ?

53.6 M

tonnes of electronic waste are generated worldwide every year.

80 %

of the carbon footprint of a smartphone is linked to its manufacture.



Extending the lifespan of electronic devices is the most effective lever for reducing their environmental impact.

ONE FIGURE :

80 %

of a company's digital footprint is linked to its consumption of electronic products.



Maximising reuse is the best way to reduce the resulting CO2 emissions!

Démos introduces young people from working-class neighbourhoods to classical music

For the past two years, Paprec has been a sponsor of the Démos project: a social-purpose music and orchestral education scheme. This initiative has been run by the Cité de la musique -Philharmonie de Paris for 16 years, and has already enabled more than 13,000 children from areas covered by urban policy programmes (UPP) or rural revitalisation zones (RRZ) to discover classical music and play an instrument in an orchestra.

What is the link between Gustavo Dudamel, one of the greatest conductors of his generation, and Marion Alexandre, a young cellist from the Paris suburbs? At first glance, the answer seems far from obvious. And yet! Both are musicians from working-class neighbourhoods, and both benefited from the same kind of social music-education programme: El Sistema in Venezuela for one, and Démos, a social-purpose music and orchestral education scheme, for the other.

Marion, from Noisy-le-Sec in Seine-Saint-Denis, joined a Démos workshop at the age of 8 — these small groups are designed to make music practice more widely accessible in priority neighbourhoods, rural areas, and outer-suburban areas. 'I fell in love with the cello right from the start. I had a natural posture that suited the instrument, and I felt at ease.'

Loan of an instrument for three years

'In the first few months, the Démos method differs greatly from the classical method,' explains Matis Ocmes, another pupil, from Montévrain (Seine-et-Marne), who went through Démos. 'You touch the instrument (the bassoon) straight away, learning the names of the notes and how to place your fingers in the right position. It is a simpler approach, allowing pupils to maintain their concentration and attention. Learning music theory comes later on.'

The Démos project is aimed at children aged 7 to 12 living in priority urban districts (PUD) or in rural revitalisation zones (RRZ) far from places where music is normally practised. Each child is given a musical instrument for three years. Supported by music professionals and social workers, the various groups of children form an orchestra. Together they attend weekly workshops lasting 3.5 hours on average, organised by instrument family, and they also meet regularly for group rehearsals.

The aim is to place music at the heart of young people's development. *'It creates a sense of community that gives them confidence, and then there is the artistic practice that brings beauty and sensitivity. We make music, but not necessarily the kind we listen to every day. Above all, the music must be*

able to support these young people,' explains Elisabeth Coxall, Manager of the Démos Île-de-France Educational Department at the Philharmonie de Paris.

Around fifty orchestras

A shift in young people's relationship with learning, self-confidence, concentration, and listening, respect for others, creativity... The benefits of Démos are numerous, and more than 13,000 children have already participated. Initially focused on the Île-de-France region, the scheme grew nationwide from 2015 and now numbers close to fifty orchestras across France.

While not all have continued as amateurs, on average half of the pupils enrol in a conservatoire

or a music school after their three-year cycle.

Half go on to study music

A Philharmonie gala centred on Démos is held every year — a sign that democratisation and excellence can go hand in hand. Alongside the Démos Paris and Démos Philharmonie de Paris orchestras, joined by the Children's Choir of the Orchestre de Paris, star pianist Khatia Buniatishvili has been the project's patron since 2017.

'This project holds a special place in my heart because it is both cultural and social. It is not only about culture, but it also improves human rights. In the country of the Enlightenment philosophers and Victor Hugo, it is also a societal project, and that is why I love France,' explains

the Georgian native, who became a French citizen in 2017. *'Démos means classical music that belongs to everyone, and it is a social project, which is very important to me. I am fully behind Démos!'*

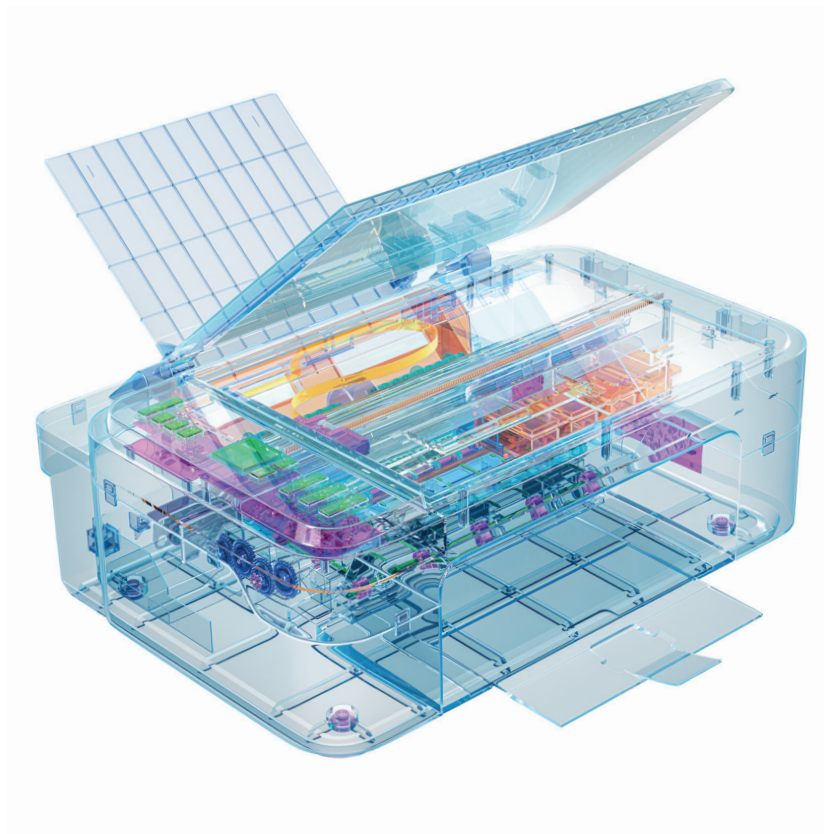


Photo credit: Pierre Morel



Photo credit: Agathe Waechter

AT THE HEART OF EVERY PRODUCT, LET'S SEE MATERIALS TO BE RECYCLED.



The products around us are the resources of tomorrow.
Thanks to our cutting-edge industrial and technological expertise,
we recycle more than 19 million tonnes of waste every year into new
materials, green energies, or compost.

From engineering to recycling, together we can go further.



PAPREC

Recycle. Recover. Invent.