

A word from our CEO

CSR Strategy

Environment

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ENVIRONMENT

Building sustainability



Let's build environmentally friendly solutions

Because we believe in the precious connection between people and the land, we work every day to build an innovative, responsible, and respectful habitat, and to make our practices evolve in accordance with the environmental challenges.

Reducing our carbon footprint and controlling our impact on nature and biodiversity: these are projects that will enable us to build our future, perpetuating our expertise and innovation capabilities for tomorrow.

The sustainable development goals to which Edilians contributes in the Environmental category



-30%

direct carbon emissions per tonne of tiles produced in France by 2030 (compared to 2021)

100%

of factories with ISO 50001 certification in 2025

-35%

drinking water consumed per tonne of tiles in France by 2025 (compared to 2019)

1.

To reduce our carbon intensity significantly, through continuous improvement, innovation, and disruptive technologies.

We are convinced that the future of our habitat also depends on the future of the climate. That is why we are pursuing ambitious goals to reduce our CO₂ intensity by implementing a plan to decarbonise our activities and continuous improvement of our energy efficiency.

Reduce our CO₂ intensity

OUR DECARBONISATION PLAN

Our decarbonisation plan is the cornerstone of our commitment to reducing our environmental footprint, aiming for a 30% cut in our direct CO₂ emissions per tonne produced by 2030 in France*. This will be achieved through a major investment plan to first reduce our consumption of natural gas, and in a second step to initiate substitution of natural gas with alternative decarbonised energy.

* Compared to 2021

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As a manufacturer, controlling our environmental impact is part of our Edilians DNA; we do this through the management of our quarries, our production sites, and the thermal efficiency of our processes. Our ambition is to make our teams and our customers proud of our environmental performance, with the particular goal of producing low-carbon terracotta tiles. The first step is to reduce our CO₂ intensity by 30% between now and 2030.

Maxime Coutouly
Vice President Operations

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Innovate to optimise our manufacturing processes

01

IMPROVE THE THERMAL EFFICIENCY OF OUR FACILITIES

- Operating our existing facilities in an optimum way by recruiting and training our teams to give them the knowledge and the time to get the best out of each production line.

02

UPGRADE OUR PROCESSES VIA MATURE TECHNICAL SOLUTIONS

- Deploying best practices and proven techniques line by line to reduce the energy consumption and CO₂ emissions of our manufacturing processes (drying and curing).

03

RESEARCH, INNOVATION, DESIGN, AND DEPLOYMENT OF TOMORROW'S TECHNOLOGIES ON OUR MANUFACTURING SITES

- Deploying our research and development programmes across all our processes and production tools in order to reduce our energy consumption.

Jointly developing energies for the future

04

REPLACING THE NATURAL GAS WE CONSUME WITH ALTERNATIVE DECARBONISED FUELS

- Entering into a long-term commitment to an industrial and regional ecology initiative, with other local players, to pool the deployment of energies for the future (electricity, biomass, biomethane, biogas, hydrogen, etc.).

2019
180 kg CO₂ / T

2030
126 kg CO₂ / T

30% less
direct carbon emissions
per tonne of tiles produced
in France by 2030
(compared to 2021)

In 2021

- Our accessory production line at Sainte-Foy-l'Argentière invested in an innovative technology to recover and use residual heat from the ovens.
6.5% reduction in annual CO₂ emissions
- Our production line for profiled tiles in Saint-Geours-d'Auribat was upgraded to recover unused heat to pre-heat the products before curing.
4.5% reduction in annual CO₂ emissions

> A TOTAL OF
1200 T OF CO₂ AVOIDED IN 2022

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The decarbonisation of our suppliers' activities is definitely a key issue that will affect the future of our business relationships. When a leading corporation like Edilians publicises its goals clearly and transparently, it helps to steer the whole sector towards more responsible and more sustainable practices. It is also an opportunity to raise awareness amongst our purchasers, to reposition the social responsibility of our suppliers at the centre of negotiations.

Julien Nowaczyk
VP Purchasing, GEOXIA

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Invest in green, decarbonised electricity

With the aim of conducting a responsible purchasing policy in the field of energy, we subscribe to a green electricity supply contract covering almost all of our electricity needs. This type of contract lets us support the maintenance and development of renewable energies, especially from hydroelectric sources and from Europe.

95%

of our consumption
in green electricity

OUR SOLAR PARK: OUR SELF-SUPPLY AMBITION

For several years, we have made the most of our assets by converting them into surfaces that produce green, non-polluting electricity. That is why, alongside our partners, we are developing solar farms on our old quarries and buildings, in areas with few biodiversity issues, with the aim of covering all the energy needs of our factories.

58%

of our electricity
needs covered

by the solar electricity
generated on our terracotta
tile manufacturing sites by
2022 in France

100%

of our needs
covered by 2026
(same scope)

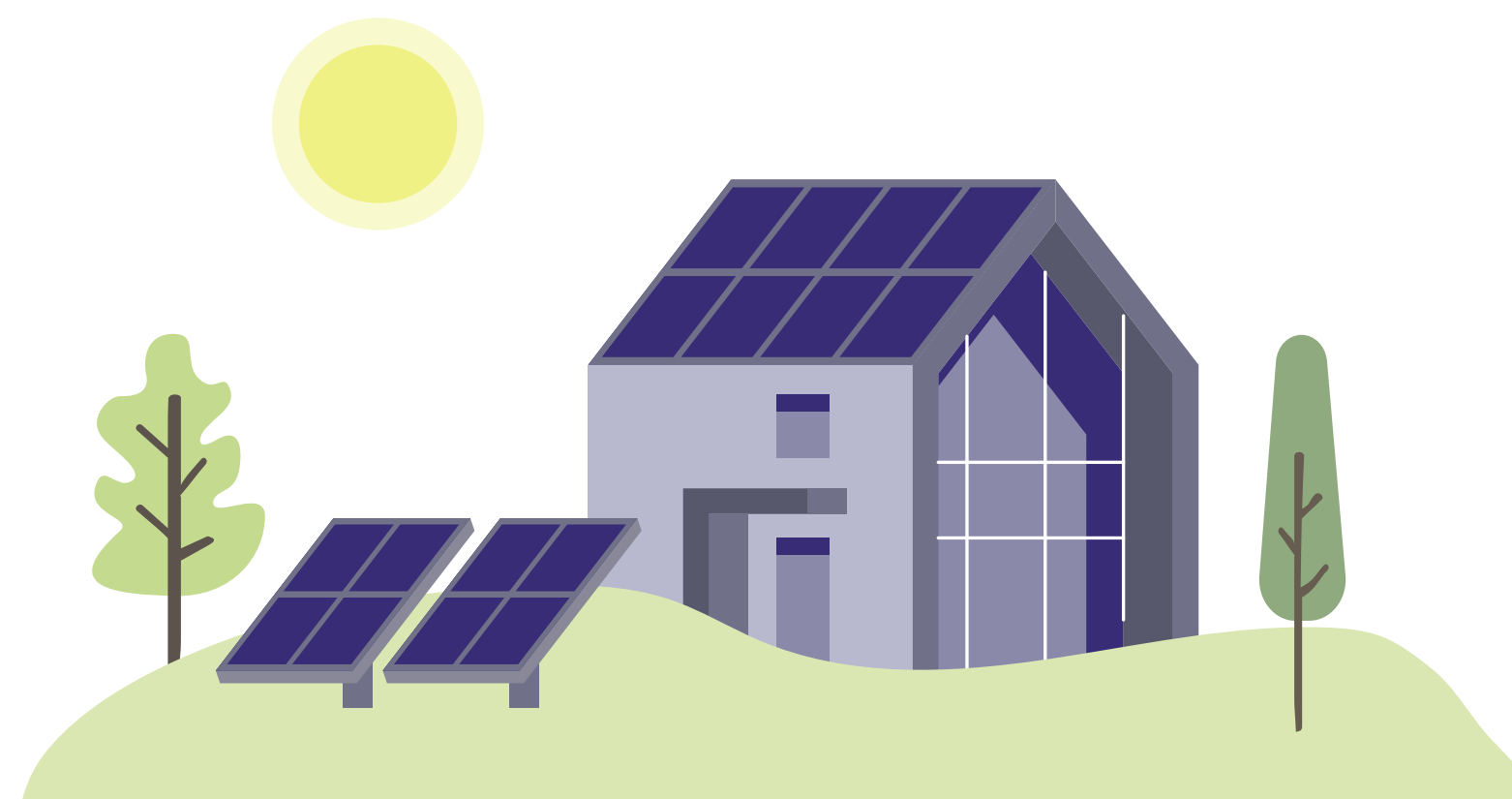
3

new plants
in service in 2022



GILARDONI : A NEW SOLAR SITE INAUGURATED IN 2022

Our old Gilardoni factory, which was shut down in 2009, was rehabilitated to become a 27-ha solar power plant with a generating capacity of 28 GWh per year. Of a total area of 73 ha, 46 ha were conserved as an environmental compensation measure. Commissioning is due to take place in September 2022!



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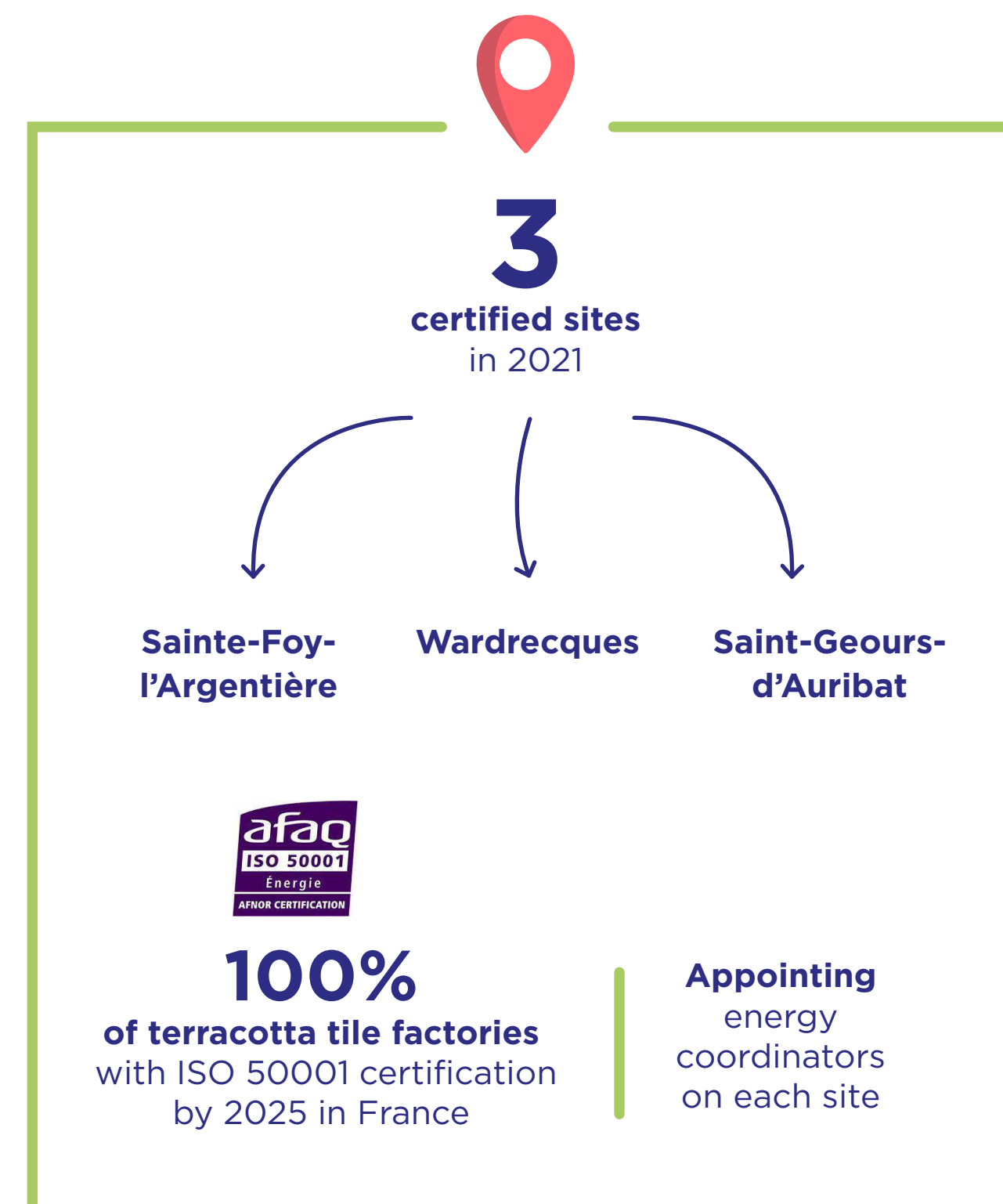
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Making our energy efficiency commitments come true via an ISO 50001 initiative

Since 2021, we have been committed to obtaining ISO 50001 certification for our sites with regard to energy management, allowing us to obtain tools to measure and evaluate our consumption.



UNDERSTANDING THE ISO 50001 STANDARD



ISO 50001 offers guidelines for the deployment of an efficient energy management system in a company or any other organisation. In a way, it's the benchmark manual for anyone who wants to introduce more energy efficiency into their organisation with a view to making savings and limiting the emission of greenhouse gases and pollutants resulting from combustion.

2.

To control our environmental impact throughout our value chain.

If we take our raw materials from nature, it is a resource that we have a duty to protect, in our capacity as an eco-friendly manufacturer. That is why we are committed to reducing our whole environmental impact, all along our value chain.



From our extraction sites...

In France, more clay is deposited in rivers every year than the entire industry consumes!

15 YEARS...

That's how much time can pass between the initial surveys and the start of quarrying operations...it takes this time to consult and discuss with all the stakeholders, particularly the nature conservation authorities (the *Conservatoire des espaces naturels* and the *Commission départementale de la nature, des paysages et des sites*).

Take only as much as necessary

Drilling core samples from all of our quarries to learn more about our deposits and avoid mining areas with high levels of barren material or high overburden thicknesses.

Optimisation of the utilisation and preservation rate of extracted materials by building additional sheds to better control humidity levels.



In 2021

- **En Séguie quarry : perfect knowledge of the deposit following core sampling performed in 2018 and 2020.**
- **Pargny-sur-Saulx site : construction and commissioning of a shed to store yellow clay. In addition to controlling the humidity level, the aim is to avoid wasting clay due to runoff.**

...to our factories...

Our factories are ISO 14001* certified, ensuring the constant improvement of our environmental performance!

Adapting our manufacturing processes

Products with a lower ecological and energy impact: reducing the weight of our tiles and adjusting the clay mixtures.

Limiting our consumption of drinking water

- **In slip coating :**
 - > implementing systems that use less water;
 - > replacing drinking water with untreated water;
 - > recycling the slip coating waters in the moulding machine or in earth preparation.
- **Overall :**
 - > recovery of runoff water by installing basins or waterproof tarpaulins, or using old concreted trenches,
 - > regular tracking of consumption and repair of any leaks in pipes,
 - > reduction of humidity in the moulding machines.

Saint-Germer-de-Fly
Installation of a water recovery system in the quarry basin
49% less clean water consumed in 2021 compared to 2019



Sainte-Foy-l'Argentière
1,100 m³ of rainwater buffer stock

Saint-Geours-d'Auribat
Installation of a water recovery system
36% less clean water consumed in 2021 compared to 2019

Lègevin
Detection and then repair of a leak
27% less clean water consumed in 2021 compared to 2020



Reducing our tile waste

- **Optimising the waste rate** by implementing an action plan based on **2 priority processes: pressing and colour**
- **Re-use of tile waste** to create tracks for vehicles to drive on in and around our quarries

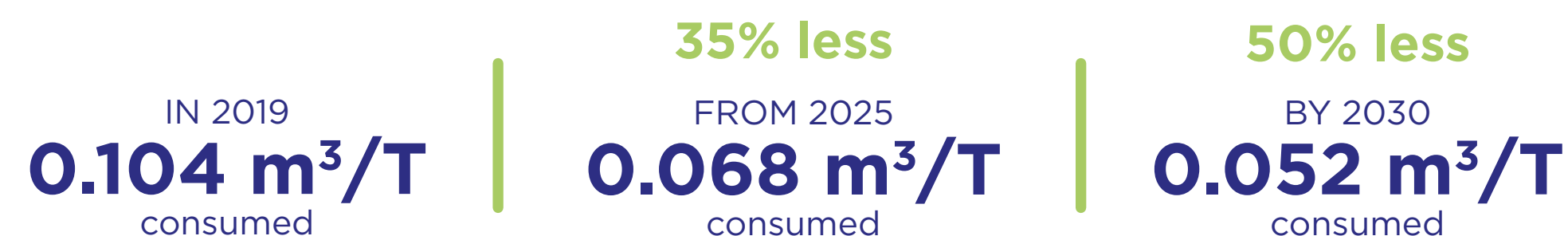
Tiles are a naturally respectful material : 100% natural and totally inert!

25% lower tile waste ratio in 2025 (compared to 2019, for equivalent quality)

Controlling and treating our emissions and discharge

- **Reducing and treating our atmospheric and dust discharge:** watering tracks + compliance measurement gauges, filtering our emissions to purify the atmospheric discharge.
- **Treating, recycling, collecting water:** decantation of discharged runoff water, recycling of process water.
- **Declaring our discharge annually (water, ground, and air):** regular D.R.E.A.L. inspection of all our sites.

DRINKING WATER CONSUMPTION



*In France, except the Doyet, Arnas, La Talaudière sites

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...and our logistics

Pallet deposit system : a reality since 2016

The easiest waste to deal with is the waste you don't produce in the first place! That is why we are using reusable pallets that are subject to a deposit on all of our sites: a closed system with our customers and our pallet recycling and repair service provider, Epalia.

≥ 900,000
pallets saved in 2021,
saving more than
20,000 m³ of wood



60 million pallets
made in France
are not reused and
therefore viewed as
scrap...that's nearly
6,000 m³ of wood
being destroyed per
day !*

Being locally based : our advantage to limit our transportation impact

Each of our raw material extraction activities is specific to the region and land where it is based. This local industrial base allows us to optimise the distance between our extraction sites, our processing plants, and the installation worksites. With a network of 12 manufacturing sites spread across the region **80% of our volumes produced in France are installed less than 300 km from our tile production sites !**

* (Source: planetpal study by Mikaël Sachot)

3. To protect ecosystems and biodiversity.

Our future and the acceptance of our activities depend above all on the fragile equilibrium of ecosystems. That is why we are committed to protecting the fauna and flora of our sites by developing and restoring our lands in a way that favours natural habitats and enriches biodiversity.

01 Avoiding

areas with major biodiversity issues upstream from our projects

- **A flora & fauna survey is conducted** for 100% of our quarrying projects before applying to the local authorities for the necessary permits and waivers.

What exactly does a flora & fauna survey involve?
Through all four seasons of the year, it involves :

- cataloguing the animal and plant species present and the associated types of environment ;
- determining the presence of protected species and their level of protection ;
- offering prevention, reduction, and compensation recommendations ; actions in specific periods of the year, restoration of areas to favour the re-planting of species, etc.

03 Compensating

for our impacts on biodiversity in space and time

- **Creating or protecting equivalent environments** when one of our quarries affects fauna, flora, habitats, or wetlands.



02 Reducing

the impacts on biodiversity as quickly as possible in the context of our operations

- **Rehabilitation of our quarries as soon as possible**, as their operation progresses ; in anticipation of the rehabilitation phasing planned in the operating permits.
- **Systematic restoration** of the site concerned after operation.

IN 2025...

100%
of our quarries
in France with a
nature integration
action

Building for the future

Because we believe in a better way of living on Earth, we work every day to develop sustainable, innovative, and respectful solutions. By combining noble materials and traditional know-how with high-performance systems in terms of their technical, energy, and environmental characteristics, we are now working on reducing the ecological footprint of homes and building up our resilience in the face of climate change.

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Our aim is to create synergies between tiles and all the other aspects of roofing : solar, insulation, ventilation, sealing, and rainwater collection by offering innovative solutions for homes that are healthy, comfortable, energy efficient, low-carbon, and suppliers of energy.

Olivier Delattre
VP Edilians Energy
Environment



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A COMPLETE AND SUSTAINABLE SYSTEM OFFERING FOR ECO-HOUSING

Seven complementary product ranges combining quality craftsmanship and high-performance energy and environmental characteristics



Integrating all roofing components for a solution that is resilient to climate change (extreme events and summertime comfort)

- Mounting and watertightness
- Reflective screens
- Ventilation systems on the underside of the tiles
- Rainwater
 - > Gutters and downpipes

Offering a product range to promote energy efficiency in buildings, and putting buildings at the centre of the energy system of the future

- Solar
 - > Solar clay tiles
 - > Max solar tile
 - > Solar door canopy
- Insulation :
 - > Insulation through sarking
- Airtightness
 - > Roof underlay membrane
 - > Vapour and rain barrier
 - > Adhesive tapes
- Reflective sheet
- Home ventilation / roof outlets

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Solar, a mainstay of our innovation

Thanks to our tile expertise, over 20 years ago we developed the first solar tile on the market, which was fully integrated into the roof, watertight, attractive, and easy to install. Over the years, we have expanded our product offering with an enriched range that is both practical and attractive, for watertight, durable, energy-generating roofing. Today, we want to guide the sector in making these solutions more widespread.

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In a context that favours the deployment of new energies, our desire is to guide the sector in expanding the use of solar solutions that are not only innovative and durable, but also more attractive and compatible with the architecture and the local visual heritage of our regions.

Mélanie Peulet
 Project Manager,
 Operational Marketing



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Guiding roofers towards solar solutions

- **Since 2018 > solar training for all roofers** with the Edilians Academy
- **2021 > Development of a website offering simulations and personalised advice** to support roofers on solar technology for private homes

Reconciling solar technology with historic monuments

To bring yesterday and tomorrow together and to upgrade our regional and national heritage with more sustainable solutions, we are developing attractive, integrated solar products that are sympathetic to the history and architectural heritage of the regions we work with.

In 2021

Completion of a roof renovation project with red Max solar tiles near the historic castle in the town of Saint Point. The solar installation received ABF approval thanks to the attractive and perfectly integrated appearance of the red solar tile.

IRFTS : RAMPING UP THE SOLAR ACTIVITY

In 2022, with the acquisition of IRFTS's solar roofing business (technologies, patents, and systems), we are strengthening our commitment to this market. In addition to enriching our range to satisfy every need, this acquisition should enable us to keep ahead of developments in standards, technologies, and environmental factors, whilst continuing to support the presence of our partners in this sector.