

CLIMATE REPORT



BASICS OF THE ECOLOGICAL
TRANSITION

2025



Editorial
P.3

Risks and strategy
P.4

A business model geared towards climate challenges:



Construction
P.8



Infrastructure
P.10



Energy Systems
P.12



Concessions
P.14

Speeding up the ecological transition
P.16

Changing the act of purchase
P.17

Transversal approaches
P.18



All non-financial data relating to the Group's business on a European scale are now compiled in the sustainability report. However, the climate report remains a key moment for sharing our progress. The renewed editorial line for this 6th edition illustrates the evolution of Eiffage's lines of business, by placing solutions to meet the challenges of the ecological transition at the heart of their growth.

Benoît de Ruffray
Chairman and Chief Executive Officer of Eiffage



View the sustainability report

Editorial

In the face of climate challenges, Eiffage has geared its actions to control risks throughout its business lines and seize the opportunities derived from the ecological transition. In order to do so, we are working in every link of the value chain: preserving resources required by the Group as part of its business, decarbonising purchases, avoiding and reducing environmental impacts, and coming up with solutions at the heart of its public and private clients' ecological transition challenges. The BlueOn platform, which was launched in 2023, contributes to raising awareness for all our teams, suppliers and partners by displaying the carbon weight of products on the same level as their price, in order to turn the carbon impact into a new standard of the act of purchase. Reducing emissions also means changing mobility practices. As well as increasing the electrification of fleets, the eco-driving of vehicles, machines and factories is a powerful lever for environmental performance. Reducing our greenhouse gas emissions also requires efforts in terms of circular economy to reduce pressure

on natural resources and the impact of waste. A core element in the evolution of our business model also includes renovating buildings and extending the lifespan of works and equipment. These changes are carried out by our clients downstream in the value chain and offer new development horizons: beyond renovation, energy efficiency, renewable energy sources, sustainable mobility infrastructure, etc. Not forgetting emerging needs to adapt cities, buildings and infrastructure to climate change risks: creating fresh islands, river re-meandering, raising quay walls, agrivoltaics, etc. Committing to the ecological transition means evolving towards sustainable, low-carbon solutions to serve our clients. The strength of the Group lies in the complementarity of its business lines and its integrated organisation as a designer-constructor-operator-maintainer. Our role as a project owner in concessions, planning and real estate projects means we are committed in the long-term, making it possible for us to implement new, more resilient and sustainable solutions to face the risks of climate change. In an



Benoît de Ruffray
Chairman and Chief Executive Officer of Eiffage

increasingly complex environment, our clients' projects require a variety of expertise, that we are able to supply immediately, thanks to our complementary lines of business.

To report on its business model transition, the Group has engaged in an ambitious climate trajectory, in line with the Paris agreement and certified by the Science-Based Targets initiative (SBTi). Eiffage employees have been eager to fully commit to a clear, ambitious environmental strategy which includes decarbonising, circular economy and biodiversity preservation to reduce our impacts and support our suppliers and clients in their own transition. ■

Mitigating climate change risks calls for structuring measures in corporate production processes (scopes 1 and 2) as well as support processes, which include purchases and Eiffage offers to its clients (scope 3). Eiffage has made strong commitments to meet this challenge and needs to show results in 2030 for scopes 1 and 2 (-46% in comparison with 2019) and scope 3 (-30% in comparison with 2019). Eiffage has chosen to invest in decarbonising and reports on its progress every year in its

climate report. For each line of business, the challenge is to define the most relevant investments and the speed with which the Group needs to implement them. The challenge is multiplied throughout the value chain, since nothing can be achieved without the supplier, subcontractor and public and private client ecosystem. That is why reducing greenhouse gas emissions is a huge and fascinating collective challenge from a strategic, technological and human point of view, which the Eiffage group is tackling with great determination. ■



Méka Brunel
Independent administrator

Risks and strategy

EFFAGE'S CORE ENVIRONMENTAL CHALLENGES

In 2024, Eiffage took steps to comply with the CSRD directive, which required an overhaul of the analysis process of non-financial challenges via the Group's double materiality assessment. Fourteen ESG challenges were defined as "material", meaning they are a priority for the Group. On the environmental aspect, we have the six following challenges:

-  **Climate change mitigation**
-  **Air, water and land pollution**
-  **Ecosystems and biodiversity**
-  **Climate change adaptation**
-  **Water resources**
-  **Resources and waste**

These challenges may be broken down into impacts on the environment and on people, which may be positive (improving living conditions or safety) or negative (impacts on the climate or natural resources), into risks and opportunities when it comes to financial materiality.

CONSEQUENCES OF CLIMATE CHANGE ON EIFFAGE'S BUSINESS

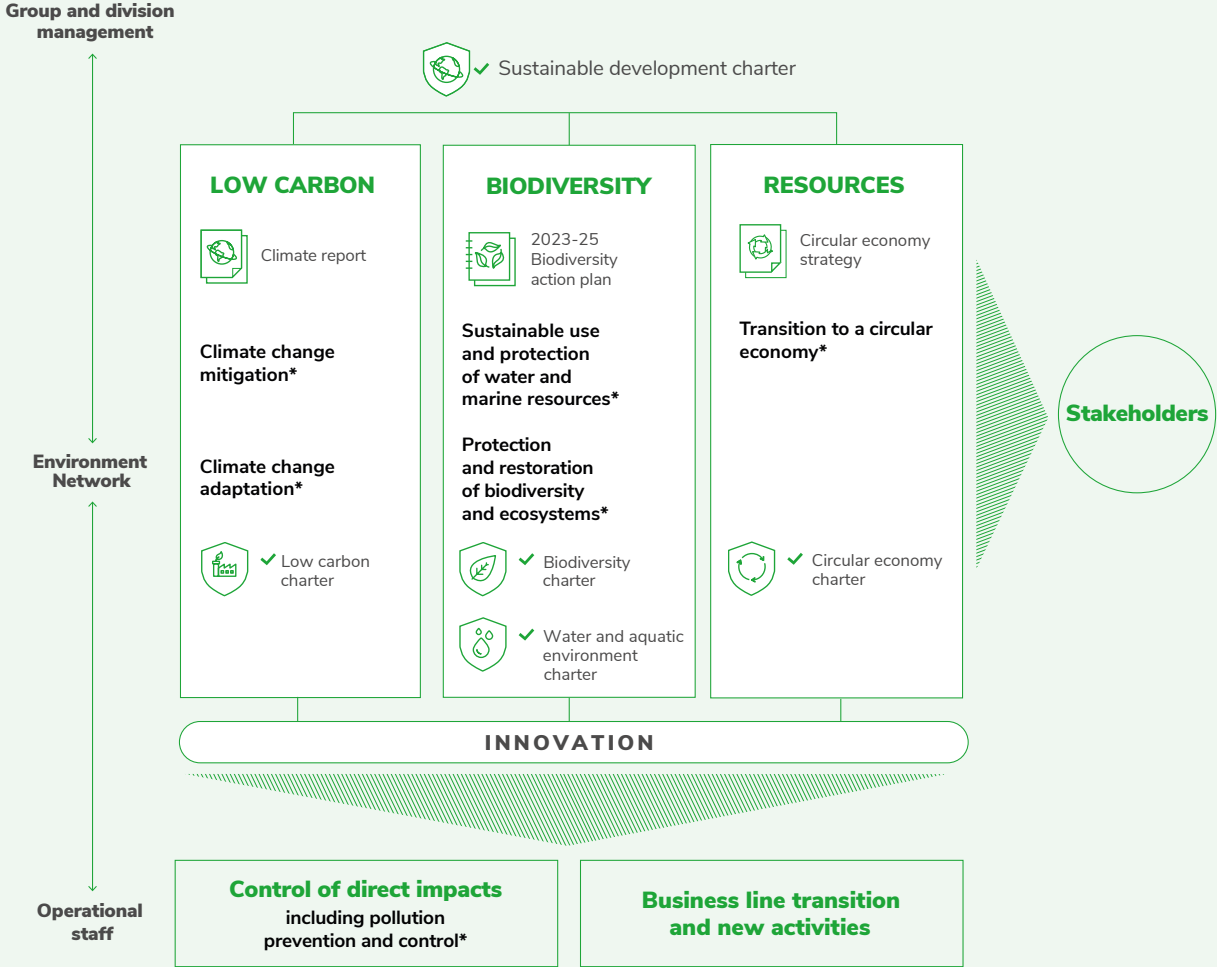
Climate change leads to **physical risks**, with an increase in climate hazards (floods, heat waves, fires...) and to **transition risks** (positive and negative financial impacts resulting from the effects of the implementation of a low-carbon economic model on economic players), which may impact Eiffage's works and concessions lines of business. For instance, climate hazards may impact the health and safety of Eiffage employees, which might affect the good execution of construction sites.

In 2024, an assessment of physical risks was carried out in nearly 400 sites in the Group, in France and Europe (factories, pits, concession motorways and sites, offices, etc.), in order to evaluate their sensitivity and resilience. By using the geographic coordinates, and based on the medium to high SSP3-7.0 climate scenario (corresponding to approximately 3.5°C to 4.0°C global warming by the end of the century), the assessment identified the impact level of seven climate hazards (drought, forest fires, extreme temperatures, water stress, coastal flooding, river flooding and tropical cyclones) for each site. Result: water stress, extreme temperatures, forest fires and drought are the most critical climate hazards for the Group's business.

Industrial activities and pits are the Group's activities most exposed to these risks. This assessment has fuelled the works undertaken by the Eiffage group to control the risks related to extreme events and to adapt its business. The assessment should be extended in 2025 to include transition risks, apply a more pessimistic scenario (SSP5-8.5) and extend the assessment scope to the upstream value chain. Then the most exposed sites will be analysed in more detail to define suitable prevention plans. Material transition risks for Eiffage, which have been brought to light by the double materiality assessment, include carbon tax-related regulatory evolutions, uncertainties relating to construction and civil engineering, and evolving client and investor expectations. Lastly, climate change brings opportunities in terms of support for the energy and environmental transition of society. In fact, the Group's business benefits from society's growing needs in terms of energy renovation of facilities, construction of low-carbon and renewable energy infrastructure and decarbonising of transport means. The Group is also developing solutions to adapt infrastructure, make cities more resilient and combat urban heat islands.

A-
CDP score
(Carbon Disclosure Project)

The Group's strategy to ensure the ecological transition of its business model systemically covers carbon-climate, biodiversity and circular economy challenges. The environmental strategy irrigates all of the Group's lines of business thanks to a cross-functional innovation approach stimulating environmental performance in every trade. It also includes a wide range of training offers, along with cross-functional awareness dynamics to foster universal commitment, from the highest level of corporate governance, down to line management and the teams on the field.



*Sustainable development objectives of the European Green Taxonomy

The Group in 2024:

16.3%
Turnover in line with the European Green Taxonomy climate change mitigation objective

83%
ISO 14001-certified turnover

58.1%
Turnover qualifying for the European Green Taxonomy

CLIMATE







Eiffage Génie Civil team on the new E18-E39 motorway section project in Norway.

ISSUES

A business model geared towards climate challenges

The Group's business includes 8 complementary trades divided into 4 branches:

- 
Construction
 Eiffage Construction
 Eiffage Immobilier
 Eiffage Aménagement
- 
Infrastructure
 Eiffage Route
 Eiffage Génie Civil
 Eiffage Métal
- 
Energy Systems
 Eiffage Énergie Systèmes
- 
Concessions
 Eiffage Concessions
 Motorway concessions in France

At the heart of regional territories, Eiffage has established itself as an integrator for urban areas and sustainable, low-carbon infrastructure, with an integrated business model as a designer-constructor-operator-maintainer.

Over 100,000 projects are carried out every year, largely in Europe, with strong environmental ambitions. As part of this, 88% of the Group's turnover was ISO 14001-certified in France and 68% internationally in 2024.

With the expertise of its 84,400 employees, the Group supports its clients in their ecological transition challenges to make territories more sustainable and resilient.



The ecological transition at Eiffage Construction

EIFFAGE CONSTRUCTION EIFFAGE IMMOBILIER EIFFAGE AMÉNAGEMENT

As a constructor-developer and a planner, Eiffage Construction designs holistic, evolving solutions to meet the needs of collective structures and users and create the cities of tomorrow: building and renovating facilities, which can include major complex projects, real estate development for new housing, urban planning to restructure city centres and create new districts.

✓ The ecological transition in a few figures

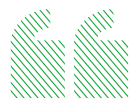


13.4%

Share of the turnover in line with the European Green Taxonomy climate change mitigation objective

53.5%

Share of recovered waste



Eiffage Construction has systematised flash environmental assessments for planning, real estate and design and building projects (when they aren't already subject to environmental assessment) in order to have more control over biodiversity-related risks and design more virtuous projects.

Émilie Boutounet
Biodiversity division, Eiffage Construction

22.6%

of business is renovation vs. 19.4% in 2023 (source: taxonomy, sustainability report 2024)

Eiffage Construction acts as an expertise integrator, meaning it is involved as early as the design phase and can offer its clients more low-carbon and circular solutions. Renovation, a significant development axis to limit sustainability risks, aims at rebuilding the city over the city, reclaiming urban wasteland and favouring affordable, low-carbon developments.



CIRCULAR ECONOMY

La Distillerie, Seine-Saint-Denis (France)

The Île-de-France regional office of Eiffage Construction has equipped itself with exemplary headquarters in terms of circular economy, with 90% of the building's initial weight being kept, reused or recycled thanks to the deconstruction of the old structure: the façade was kept, the bricks and seats of the Chaillot theatre in Paris were reused. 10,500 bricks were thus removed and cleaned before being reused for the façade. Similarly, 150 folding seats were adapted in the building auditorium. Thanks to its low-carbon design, which includes geothermal energy and low-carbon concrete, the site was able to reduce its carbon footprint by 30% compared to the emissions of traditional buildings, i.e. 429 g CO₂eq/m² saved.



LOW CARBON

Rennes Hospital, Ille-et-Vilaine (France)

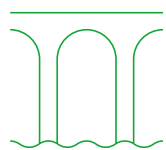
The new tertiary building at the Rennes hospital combines the use of biosourced and geosourced materials, with timber (structures with posts, glued laminated timber beams, floors and façades) from prefabricated solutions by Savare, and low-carbon concrete. Thanks to this, it has reduced its carbon footprint to 38% under the RE2020 regulatory framework. Thanks to this ambitious objective, it has received the BBKA Excellence label (highest level of the low-carbon building label).



CIRCULAR ECONOMY

The Source, Brussels (Belgium)

Eiffage Construction and Eiffage Énergie Systèmes carried out renovation works in the new Eiffage Construction headquarters in the region of Brussels. By choosing to rehabilitate an existing building, 100% of its structure was recovered and most materials and equipment were reused. As part of this, 1,100 m³ of concrete, steel and aggregates were reused and 1,500 m² of raised floors were reused. 2,300 m² of carpets, 200 m² of wood fibre insulation, 180 m² of cladding and eight sanitation facilities have also been reused and come from the Sart Tilman sports centre in Liège.



The ecological transition in the Infrastructure division

EIFFAGE ROUTE EIFFAGE GÉNIE CIVIL EIFFAGE MÉTAL

The Infrastructure branch masters all the skills required for the design and construction of land and maritime infrastructure. Its teams are also experts in terms of calculation and building of metal envelopes and structures. They also offer multi-technical solutions for all industrial sectors.

✓ The ecological transition in a few figures

26.3%

Share of the turnover in line with the European Green Taxonomy climate change mitigation objective



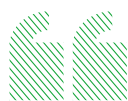
10%

of the energy mix of the Eiffage Route rolling stock is composed of biofuels



78.7%

Share of recovered waste for Eiffage Génie Civil and Eiffage Métal



The teams at Forézienne, a subsidiary of Eiffage Génie Civil, restored the ecological continuity of the Dore river before landscaping and restoring the banks. In particular, a 4,530 m³ underwater area was created to stimulate aquatic ecosystems. These adaptations have helped improve the river's ecological status while reinforcing residents' protection from flooding risks.

Cécile Daval
Ecological Engineering adviser, Forézienne

1 772 117 m³

of recycled water within Eiffage Génie Civil and Eiffage Métal



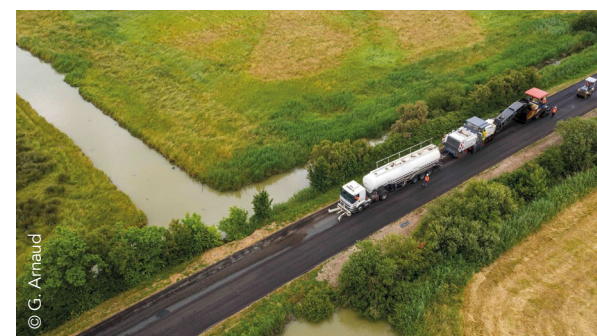
The Infrastructure division is involved in large-scale projects and predominantly contributes to building infrastructure used to decarbonise transports and energy production. Its clients include industrials, local authorities and major public clients. In roadworks, the offer is highly diversified to contribute to the greening of cities and to soft mobility, as well as supporting the growth of public transport. This expertise is also deployed with private clients including industrials, logistics specialists, developers, etc. who want to decarbonise their real estate projects.



CIRCULAR ECONOMY

Toulouse underground, Haute-Garonne (France)

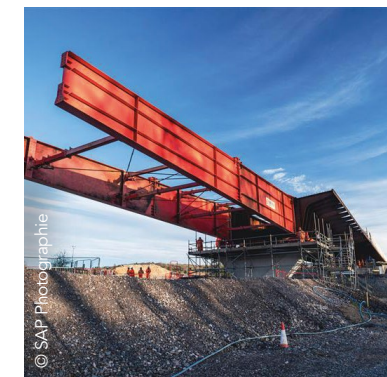
As part of the boring of the upcoming line C of the Toulouse underground, the teams at Eiffage Génie Civil, in collaboration with Herrenknecht, a German boring machine manufacturer, refurbished three boring machines which had been used for line 16.1 of the Grand Paris Express, adapting their excavation diameter. Thanks to this, 50% of the steel from each boring machine was kept, avoiding emissions of approximately 5,000 t CO₂eq. Further decarbonising commitments were made, including an energy supply contract with guarantee of origin, charging stations for electric vehicles on every building site and low-energy welfare facilities integrating connected equipment (motion sensors, etc.) and centralised technical management. —



BIODIVERSITY

HS2, United Kingdom

Teams at Eiffage Génie Civil continue working on the two 80-kilometre packages won as part of the HS2 high-speed railway line from London to Birmingham. A new milestone was reached in 2024, with the completion of the installation of the steel beams for an eco bridge in Turweston, the largest green bridge in the country. This new step is part of a smart, economical, low-carbon design approach, thanks in particular to the use of rail freight and a number of structural optimisations. Furthermore, thanks to the prefabrication technique used, green tunnels are perfectly integrated in their environment, volumes of concrete were halved and steel quantities were reduced by 20%. —



LOW CARBONE

Recytral® ARM solution

Thanks to this innovative solution deployed by Eiffage Route, 100% of materials from old roads can be recycled in-place, thus reducing by 80 the number of lorry rotations per kilometre of restored road surface. Since 2016, this cold bioregeneration technique has been used to restore over 300,000 m² of roads, significantly reducing the environmental impact of road works. —



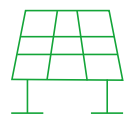
The ecological transition at Eiffage Énergie Systèmes

EIFFAGE ÉNERGIE SYSTÈMES

Eiffage Énergie Systèmes designs, completes, operates and maintains systems and equipment for electrical, industrial, climate and energy engineering in compliance with environmental standards. Its teams offer customised solutions for the industry, infrastructure and networks, cities and collective structures, and tertiary markets.

✓ The ecological transition in a few figures

3rd



turnkey ground-based solar power station installer in the 2024 global Wiki-Solar ranking, and 1st in Europe



Our experience has led us to consider energy as the driving force for the economy. We develop energy optimising solutions and are committed to building virtuous projects for all our clients, integrating circularity for overall performance and a sustainable future.

Valérie Théolle
Technical Director
Eiffage Énergie Systèmes

81.5%



Share of recovered waste

18.1 t CO₂eq/M€ turnover



carbon intensity (32.2 t CO₂eq /M€ consolidated turnover for the Group)
A highly significant growth in the energy trades at Eiffage, particularly in Germany, has reinforced the weight of decarbonised activities within the Group

Eiffage Énergie Systèmes is a leading energy service company in Europe. It is being structured to meet the sector's growing needs in terms of digitalisation, electrification, energy mix diversification and building performance monitoring. 2024 was marked by strong external growth with twelve new acquisitions, reinforcing its presence in Germany, in the Netherlands and in Switzerland, covering all markets in these countries.



ENERGY EFFICIENCY

Renovation of facilities in 9 secondary schools, Paris (France)

As part of its strategy to reduce the carbon footprint of public buildings, Eiffage Énergie Systèmes leads a consortium for the energy renovation of nine secondary schools in Paris. This contract, which includes design, completion, operation and maintenance, integrates technical conceptual engineering. After careful analysis, 140 target actions were selected. These include optimised monitoring of facilities, decarbonising, equipment modernisation, optimisation of operation-maintenance and reduction of energy needs, while improving the comfort of occupants. The expected results are significant: a 40.7% reduction in energy consumption, a 46.3% reduction in greenhouse gas emissions and 123 GWhc generated in energy saving certificates. —



RENEWABLE ENERGY SOURCES

Photovoltaic power plants (Spain)

In June 2025 in Spain, the teams completed the construction of a solar power complex for Sonnedix, with a total capacity of 150 MW over three plants. This project will produce around 300,000 MWh of clean energy every year, supplying over 71,000 homes and avoiding the emission of nearly 110,000 tonnes of CO₂ every year. The works integrated pioneer measures in terms of environmental sustainability: fauna protection, ecosystem restoration and creation of more than 200 jobs locally. —



LOW CARBON

Life Zeus project, Cher (France)

Monin, a renowned syrup manufacturer with nine factories worldwide, was looking to reduce its carbon footprint and reprocess its industrial effluents. In this context, Eiffage Énergie Systèmes completed a water treatment facility as an integrator, integrating trades such as clean piping, instrumentation, electrical engineering and pneumatics, conducting the preliminary project, design studies and deployment on the site, up to the integration of a patented water filtering system. This project is a perfect illustration of the design-completion-maintenance offer for systems dedicated to industrial processes, integrating environmental challenges and industry decarbonising. —







The ecological transition in Concessions

EIFFAGE CONCESSIONS MOTORWAY CONCESSIONS IN FRANCE

As the operator and project owner, Concessions contribute to the development, modernisation and ecological transition of the territories in which they are firmly established. With new projects in terms of transport infrastructure, renewable energy and urban equipment, the teams carry the great ambition of creating and operating works and services that sustainably improve the quality of life of as many people as possible.

✓ The ecological transition in a few figures

100% 
of concession projects integrate the Group's environmental strategy

418 
charging stations for electric vehicles over 91 motorway operating sites



Sun'R is at a turning point, with its business model evolving and its offers scaling up since it was integrated in the Eiffage group. Our impact strategy is systemic, going beyond decarbonising to integrate every axis of ecological transition. Our recognised innovations in terms of agrivoltaics combine climate change mitigation and adaptation. Our new photovoltaic offers will integrate solutions in favour of biodiversity, soil regeneration and runoff water infiltration.

Chloé Clair
Chairperson of the Sun'R group



340 ha
surface on which conservation grazing has replaced mechanical maintenance near motorways

Concessions operate throughout the entire value chain for public entities. This business is experiencing strong diversification in new fields such as renewable energy sources, agrivoltaics and hydraulics, while maintaining the motorway concession business on behalf of the State. It reinforces its role as a resilient project owner by integrating a granular risk assessment at the design stage and aiming at efficiency throughout the life cycle of the concession.



✓ BIODIVERSITY A3 motorway, North Bavaria (Germany)

The biggest public-private motorway partnership project to date in Germany involves a 76-kilometre section on the A3 motorway, which was conceded to Eiffage in 2020 for a duration of 30 years. The project includes protection measures for endangered species, with the construction of two bridges for wild animals, allowing them to migrate freely on the motorway. These bridges, with a maximum width of 80 metres, connect the forests on either side of the motorway. Furthermore, there is fencing along the motorway to prevent animals from entering the traffic area. Lastly, there have been major investments to improve the noise reduction system, with the installation of approximately 132,000 m² of noise barriers and 18 kilometres of sound-damping coating. —

✓ BIODIVERSITY Toulon bay, Var (France)

In January 2024, Maribay Toulon Plaisance, an "entreprise à mission" (business pursuing a set social and environmental purpose with specific sustainability goals) driven by Eiffage Concessions and Sodeports, began operating ten marinas in the Toulon bay. This 30-year contract has marked the beginning of a strong commitment towards sustainable marinas, benefiting the environment and users. Throughout this period, Maribay will be deploying an ambitious infrastructure modernisation policy, aiming for environmental exemplarity: reducing carbon emissions, preserving natural resources and actively protecting biodiversity. The company is committed to guaranteeing clean harbours and high-quality water, while upgrading service standards to anticipate new uses. Maribay's ambition is also to turn the harbours into full-fledged living spaces, with appealing events to enhance the area's attractiveness. —



✓ SUSTAINABLE MOBILITY Decarbonised motorways

In October 2024, APRR and Engie Vianeo installed a heavy vehicle charging corridor on the Paris-Lyon axis. These ultra-fast charging stations are installed every 150 kilometres and add up to 300 kilometres of range in 45 minutes. —

Speeding up the ecological transition

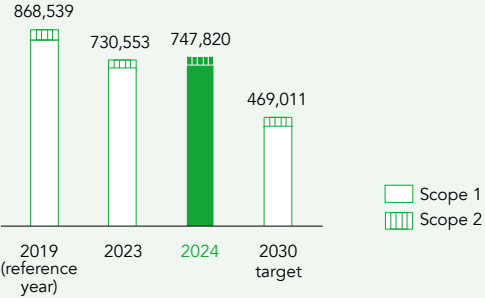
Since 2021, the Group has defined clear decarbonising objectives to reduce greenhouse gas emissions, aimed at being aligned on the 1.5°C trajectory recommended by the Paris Agreement and reaching “net-zero emissions” in the long term. Ecological transition has become a strategic and operational lever in all Eiffage trades. Preserving the climate, biodiversity and resources requires commitment from all our businesses.



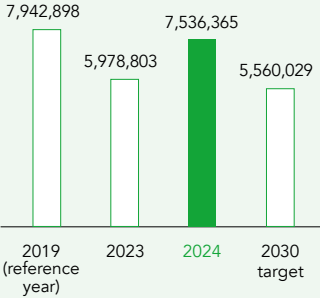
Anne-Valérie Cornuault Goulard
 Director of sustainable development and transverse innovation of the Eiffage group

GROSS GREENHOUSE GAS EMISSIONS (IN TONNES OF CO₂ EQUIVALENT)

Scope 1 and scope 2 using the location-based method



Scope 3



With the Group’s strong growth, every individual must reinforce their own requirements and strive to implement mitigation levers, mobilise the entire value chain to reduce scope 3 and speed up the business model transition. 2024 saw a number of tools being reinforced, with the contribution of the Group’s different trades, starting with a device dedicated to environmental leadership. In a cross-functional manner and on the field, our training offer was expanded to define a “base” scheme around the Climate School, the launch of 2-tonne workshops, the Climate Fresco and the “15-minute environmental talks” on building sites.

We are convinced the field is a major transformation lever, which led us to start the EnviroTours – a series of meet-ups in regions and countries – to exemplify our environmental strategy. As part of these tours, we met 1,400 people across six French regions, Belgium and Luxembourg. The initiative was a success and will be renewed in 2025. As a topic that involves employees as well as all the company’s stakeholders, the ecological transition is a human adventure that holds huge business opportunities. We are determined to make a difference by speeding it up!

Changing the act of purchase

LEADING A HOLISTIC OPERATIONAL APPROACH

The Group’s responsible purchasing strategy is based on two fundamental pillars: training buyers and operational staff, and supplying tools to tackle the decarbonising challenge.

EDUCATING

- To the challenges of ecological transition, from a global scale down to the company scale
- To the measuring methods and standards of environmental impacts
- To the data used to direct purchase decisions towards environmental criteria
- To assisting suppliers in the effort to measure and reduce products’ carbon footprint

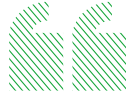
350

buyers trained, i.e. 70% of the network, during a day dedicated to purchase decarbonising at Eiffage

EMPOWERING

The BlueOn market place is a pioneer initiative launch in early 2024 by Eiffage, aimed at engaging Eiffage as well as its suppliers and subcontractors, and in the long run, the entire construction and concession ecosystem, to speed up value chain decarbonising.

BlueOn is more than a digital tool, it is a profound transformation approach for suppliers of the Eiffage group. To be eligible to the platform, every product must have a specific carbon footprint, calculated by the manufacturer in accordance with the standardised life cycle assessment (LCA) methodology. This engaging approach prompts manufacturers to speed up environmental impact management with the production of LCAs. BlueOn currently holds over 40,000 product references from more than 60 committed manufacturers and distributors present on the platform.



I am delighted for Hilti France to be part of the BlueOn project, since it goes beyond corporate issues, it is a society issue.

Thomas Dropsit
 Chairman of Hilti France - Western Europe

The BlueOn scheme offers support and operational implementation for decarbonising, and has already rallied more than 180 suppliers.

40,000

product references already available on BlueOn

Transversal approaches

**ENVIRONMENTAL STRATEGY:
OVERALL STEERING TO ADAPT LOCALLY**

The three pillars of the environmental strategy (low carbon, biodiversity and resources) are structured around well-communicated policies, formalised action plans and measuring indicators in line with the reporting requirements of the CSRD directive.

In 2024, the 2023-2025 biodiversity action plan, which includes 186 business actions monitored by the executive committee biannually, was deployed internationally.

Because they constitute biodiversity habitats and reserves, water and soils received specific attention with the 2024 update of the "Water and aquatic environment charter", which now includes a new commitment dedicated to soil preservation. There are now six environmental charters put forward by the Group to its clients, covering all the Group's businesses.

The three strategies are driven by a network of environmental advisers, who share best practices and monitor the direct impacts of building sites.

To support the Group's growth in Europe and internationally, the sustainable development and transversal innovation division has teamed up with international partners to collaborate in order to gradually structure an ecological transition network. The aim is to ensure cohesive awareness of environmental challenges throughout the territories, while adapting solutions to local specificities.

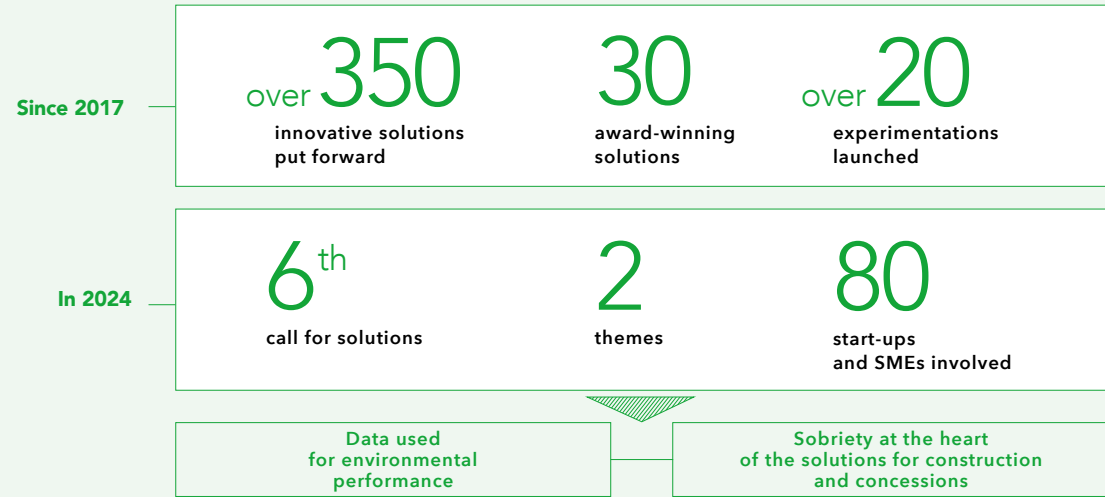
**TRANSVERSAL INNOVATION TO SPEED UP
THE ECOLOGICAL TRANSITION**

The Group's transverse innovation approach has supported the environmental strategy since 2017. It aims at promoting project sharing and cross-functionality between trades, in France and internationally. It relies on a cross-branch innovation network created in 2024.

For instance, Eiffage has been working with the Low-tech collective led by Paris&Co since 2022, and their guidebook published in 2024, "Towards low-tech cities" is a reference in the ecosystem of city designers and builders.

To accompany this approach, a number of schemes have been in place for several years to stimulate innovation. For instance, internally, innovation support funds E-Face and Seed'Innov support sustainable innovative solutions. Externally, industrial club Sekoya, an Eiffage initiative, has been launching a yearly call for solutions to speed up the implementation of virtuous solutions. Eiffage and its subsidiaries have also partnered with specialised players in the sector, particularly academic players, such as the Gustave Eiffel University or the Cerema with Eiffage Route. These also include international players such as Aachen University in Germany and its CCR (Center Construction Robotics) consortium. The Group also draws on the expertise of the Biomimetics Study and Expertise Centre (Ceebios) to apply solutions from the living world to its businesses.

Sekoya data



The transversal innovation scheme led by the Group provides technical and financial support for sustainable projects in all the Group's trades.



Urban fresh islands, a solution to adapt to global warming

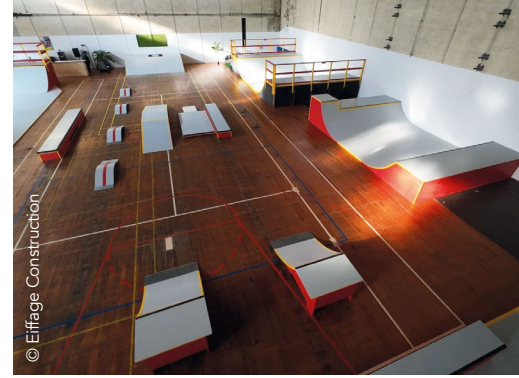
In 2024, ÉcOasis® was experimented in Belleville-en-Beaujolais. This innovative offer, which was developed by Eiffage Route in 2021, provides a holistic solution to reduce the urban heat island phenomenon, and aims to decrease temperatures by around 5°C. This project includes the Bioklair® plant-based draining surfacing for pavements, which couples a light binding agent made with biosourced raw materials with light aggregates, and the low-carbon CarbonLight® asphalt for the road. It also integrates an infiltration system for road and roof runoff water as well as suitable vegetation. With strong backing from the town of Belleville-en-Beaujolais, this operation marks a major step towards the bioclimatic city of the future.

Integrating changing uses and reinventing living spaces: the new challenges of construction

In Bordeaux, Eiffage Immobilier and Eiffage Construction are combining rehabilitation and a new conversion programme for the fire station in the Benauges district. In particular, this project includes a transitory occupation phase beginning in 2024, before the start of:

- the works: the teams of Eiffage Immobilier and Eiffage Construction have settled in the offices of the old fire station;
- 20 solidarity housings have been made available by a social landlord, along with a shelter for homeless people in collaboration with the Diaconat charitable organisation;
- the gymnasium has been opened for local organisations and includes a "pop-up" skatepark;
- the large fire station garage and the yard have been temporarily converted into a lively living space, with a pop-up restaurant-bar and an open stage offer.

This temporary occupation phase is to last two years, while administrative authorisations and commercial licenses are under way.



Towards new energy management and optimisation tools

Eiffage Énergie Systèmes in Nouvelle-Aquitaine has developed a smart energy management solution for buildings (BEMS Building Energy Management System). The BEMS provides smart energy management by integrating photovoltaic production, a stationary storage battery and IRVE stations (Charging Infrastructures for Electric Vehicles and Plug-in Hybrids). The aim is to optimise equipment operation to reduce subscription and kWh costs, by maximising self-consumption and making the most of price flexibility. Optimisation relies on artificial intelligence models predicting photovoltaic production

and consumption according to the uses. This structuring project, funded by the branch's Seed'Innov fund in 2024, relies on WE-GO and Énergie Suite, two in-house developed software solutions. The first demonstrator is being deployed at the headquarters of Eiffage Énergie Systèmes's regional office in Pessac and will be followed by three further sites in the branch before being marketed. Eiffage Énergie Systèmes is positioning itself in the microgrid market, which is currently booming, in a context of energy shortage, higher electricity prices and the search for electrical network stability.



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