

FORGING A SUSTAINABLE WORLD



A photograph of several white offshore wind turbines standing in a deep blue sea under a clear sky. The turbines are spaced out across the horizon.

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ACTING FOR THE CLIMATE

VINCI is active in sectors that contribute significantly to climate change: transport and construction are responsible for over 50% of greenhouse gas emissions each year. And these sectors are acutely exposed to the risks arising from climate change. That is why the Group is taking action to limit the future consequences of climate change, by setting an ambitious target to cut its gross emissions and by setting an ambitious target to cut its gross emissions and working towards it throughout its value chain.



OPTIMISING RESOURCES THANKS TO THE CIRCULAR ECONOMY

Given the growing scarcity of natural resources, VINCI intends to limit its impact by moving towards a circular economy. This includes improving our design and production processes, reducing extraction of virgin raw materials, implementing efficient techniques, adopting effective behaviour patterns, and reusing and recycling.

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PRESERVING NATURAL ENVIRONMENTS

As the projects we build affect natural environments, protecting those environments plays a key role in our design, construction and operations processes. Throughout the project life cycle, the Group's entities strive to have as little impact as possible on natural environments, and to develop solutions to conserve fresh water resources and restore ecological balance.

A word before you start...

This document presents VINCI Group's environmental ambition looking to 2030 and explains how we plan to put it into practice. Read it to find out what we are doing every day to improve our environmental footprint, whether you only have a few minutes or you want to know all the details.



Only have a few minutes?

Go straight to page 34 for a brief overview of VINCI's environmental ambitions and actions.



Have a bit more time?

Go to pages 9, 19 and 27, and read about how VINCI is reducing the impact of its activities on the planet.



Want to know more?

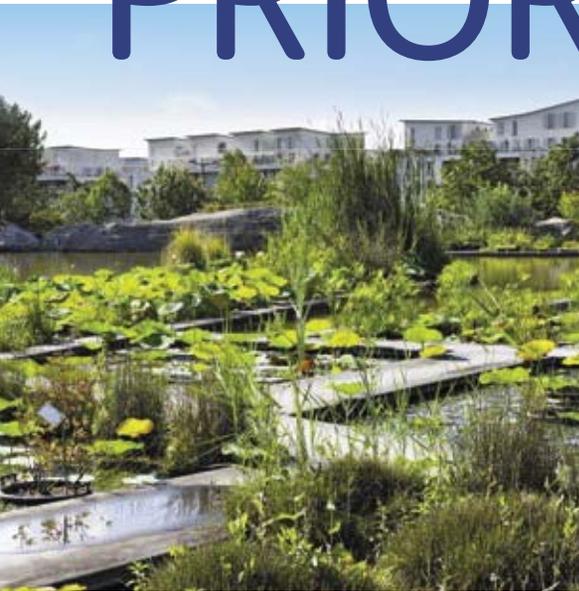
Read the whole document! Learn about our objectives, commitments, actions and achievements and everything we are doing for the environment.

VINCI IN A NUTSHELL

P. 34



THE ENVIRONMENT, A STRATEGIC PRIORITY



Responding to the climate emergency, VINCI is acting faster to reduce its impact, transform its businesses and create innovative solutions. The Group aims to play an active role in the ecological transition of living environments, infrastructure and mobility systems.



Its ambition concerns all levels in the Group and involves employees, clients, users and suppliers. VINCI's integrated design-build-operate approach helps reduce environmental impacts at each stage in a project's life cycle.

Aware of the responsibilities that go with its activities, but also of its capacity to make a positive contribution to this transition, VINCI has set itself a new environmental ambition looking to 2030, focused on three main areas:

- **climate change,**
- **the circular economy,**
- **natural environments.**

To achieve this ambition, VINCI mobilises its teams and innovation potential to accelerate both the transformation of its businesses and the creation of environmental value in the projects it implements for its clients and in the services it proposes to users and partners of its infrastructure.



ACTI FOR CLIM



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LIMITING THE FUTURE CONSEQUENCES OF CLIMATE CHANGE

OUR AMBITION FOR 2050: NET ZERO GREENHOUSE GAS EMISSIONS.

VINCI is active in sectors that contribute significantly to climate change: transport and construction are responsible for over 50% of greenhouse gas emissions each year. And these sectors are acutely exposed to the risks arising from climate change. That is why the Group is setting an ambitious target to cut its gross emissions and working towards it throughout its value chain.

This means optimising our energy consumption, switching to renewable sources on a massive scale, thinking again about the way we design projects, and thereby making our buildings and infrastructure more resilient, carbon-light and energy-efficient. It also means inventing new services and solutions that transform mobility, homes and lifestyles, so that our customers can shrink their carbon footprints too.

In this way, VINCI is contributing to the collective effort to achieve carbon neutrality, which is vital in limiting the rise in global temperatures.

A STRATEGY OF CONTINUOUS IMPROVEMENT



VINCI mobilises its teams and innovation potential to reduce the impact of its own activities as well as the carbon footprint and climate exposure of the projects it undertakes and manages for clients and local authorities.

VINCI is reassessing all its production and operation methods and equipment. The action plans currently being rolled out at Group level and within each business line, together with indicators to measure progress, unite employees, stakeholders and the users of buildings and infrastructure managed by VINCI in reducing both direct and indirect emissions simultaneously.

VINCI is also launching research and development initiatives and scientific and technological partnerships, notably with ParisTech. In addition, it has set up a working group –comprising experts in all its fields and based at Leonard, the innovation and foresight platform– that focuses on progressively factoring climate resilience into its offers, projects, structures and solutions.

OUR COMMITMENTS

VINCI's trajectory to reduce greenhouse gas emissions is aligned with the Paris Climate Agreement to limit global warming to less than 2°C by the end of the century.

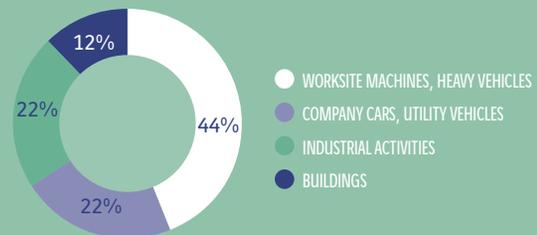
DIRECT EMISSIONS

The Group aims to reduce its direct emissions (Scopes 1 and 2) by 40% by 2030 (against its 2018 baseline). For concessions, the target is a 50% reduction for the same period.

REDUCE
DIRECT 
GREENHOUSE
GAS EMISSIONS BY
40%
BY 2030*

*compared to 2018.

DIRECT GREENHOUSE GAS EMISSIONS BY SOURCE, estimated at a total of 2.2m tCO₂ eq in 2020.



ACTIONS TAKEN



Worksite machines and heavy vehicles

- Replacing the fleet of worksite machines, company cars and utility vehicles with more energy-efficient models, including electric or hybrid, hydrogen- or biogas-powered utility vehicles, and electric cars with lower greenhouse gas emissions.

For example, by running trucks on biofuel, VINCI Energies has cut its emissions by 70% in France, 64% in Portugal and 78% in Sweden.

- Encouraging employees to reduce their own consumption, with carpooling platforms, training in eco-driving and incentives to switch to active travel.
- Teaming up with worksite machine manufacturers and leasing companies to test innovative low-carbon systems in real-life conditions.



Industrial activities

- Optimising energy efficiency and replacing high greenhouse gas emitting energy sources with natural or renewable gas.



Buildings and worksite facilities

- Auditing energy efficiency of buildings and stepping up thermal renovation, temperature regulation, and eco-design.
- Using more worksite facilities meeting high energy efficiency standards.



Renewable energies

- Increasing the use of renewable energies, especially thanks to the installation of photovoltaic power plants for self-consumption.

INDIRECT EMISSIONS

REDUCE OUR INDIRECT EMISSIONS BY TAKING ACTION ACROSS THE ENTIRE VALUE CHAIN



ACTIONS TAKEN



Supply chain

- Embarking on an improvement drive with strategic suppliers and subcontractors.
- Gradually mainstreaming low-carbon concretes at all VINCI Construction worksites.

2030 target for VINCI Construction: 90% low-carbon concrete



Customer solutions

- Applying environmental solutions that help our customers reduce their carbon footprint: sustainable construction, energy efficiency, sustainable mobility.
- Developing products, services and expertise in renewable energies to contribute fully to the energy transition and improve the energy mix of the future.
- Encouraging users to switch to low-carbon options on motorways (expanding electric vehicle charging capacity, carpooling facilities, multimodal hubs, express bus services) and in airports (adjusting airport tax charges based on aircrafts' carbon emissions, contributing to developing sustainable biofuel and hydrogen systems).



Eco-design

- Developing tools to quantify carbon impacts of projects during the bidding phase in order to propose low-carbon alternatives.
- Implementing low-carbon strategies in engineering (e.g. VINCI Construction's Environment in Design approach).

CLIMATE RESILIENT PROJECTS AND STRUCTURES

Global warming and especially extreme climate events are a physical threat to VINCI's structures and projects. Climate resilience is an integral part of our project risk assessment process and ensures that the regions we operate in are better equipped to withstand climate change.

MAKE OUR STRUCTURES AND ACTIVITIES MORE RESILIENT TO CLIMATE CHANGE



ACTIONS AND ACHIEVEMENTS



Low-carbon motorways: concrete measures to reduce CO₂ emissions

In France, motorway travel accounts for 93% of transport-related CO₂ emissions. VINCI Autoroutes' low-carbon motorway project aims to help cut these emissions by working with regional partners to develop infrastructure, equipment and services that encourage vehicle decarbonisation (electric, hydrogen and biogas vehicle charging stations, etc.), shared solutions to discourage solo driving (carpooling car parks, express bus services with reserved lanes, and more) and interconnected transport services (multimodal car parks).

VINCI Autoroutes is transitioning to eco-mobility. In 2021, one-third of its light operating vehicles were already electric and it aims to have an all-electric fleet by 2030.

MORE ELECTRIC CHARGING STATIONS

To help accelerate the shift to eco-mobility and reduce greenhouse gas emissions from road travel, VINCI Autoroutes is leading the rollout of e-vehicle charging infrastructure on motorways. With one hundred service areas equipped with charging stations in summer 2021 (i.e. 55% of service areas), the VINCI Autoroutes network is the most widely equipped in France. All of the network's service areas will be fitted with electric charging stations by 2023.

As well as fitting its network with e-charging stations, VINCI Autoroutes is developing connected services that give travellers "seamless" access to charging units. Its Ulys app allows 4.5 million subscribers to geolocate 33,000 electric vehicle charging stations all over France and, from end-2021, will offer remote payment so they can "fill up" at any type of charging unit.

ENCOURAGING CARPOOLING

VINCI Autoroutes has a special subscription for motorway users – the Ulys carpooling option in partnership with BlaBlaCar – as well as dedicated parking facilities at motorway entrances and exits on its network (37 car parks providing more than 3,000 spaces in service in 2021). As part of the motorway investment plan, another 30 car parks will be created in the next few years, doubling the network's carpool parking capacity. Latest generation infrastructures, like the Longvilliers multimodal car park, located 45 km south-west of Paris, allow users to combine carpooling services with other mobility solutions such as the motorway express bus service. Residents in the regions through which the network passes thereby have access to a full range of decarbonised travel solutions.

93%
OF TRANSPORT CO₂
EMISSIONS IN FRANCE
ARE GENERATED
BY MOTORWAY TRAVEL.

37
CARPOOLING
PARKS OR OVER
3,000
SPACES IN SERVICE
IN 2021.

100%
OF SERVICE AREAS
WILL BE FITTED WITH
ELECTRIC CHARGING
STATIONS BY 2023.



AirPact: solutions to decarbonise air travel

VINCI Airports, the first airport operator to commit to the environment, rolled out AirPact in 2015. Through this environmental policy it aims to be exemplary in reducing its own CO₂ emissions and help cut air travel emissions, which accounted for 2.8% of global emissions in 2019. AirPact, consists of a series of tangible, instant solutions that limit the impact of airports, airlines and passengers, and has already helped **reduce** the network's carbon footprint **by 22%** between 2018 and 2020.

- **Powering airports and craft on the ground with renewable energy:** the network's airports produce and consume their own solar power, with 17MWh installed in 2021, and offer airlines decarbonised energy solutions for their aircraft on the ground.
- **Emissions-based landing charges:** in 2021, VINCI Airports became the first airport operator to apply emissions-based landing charges to airlines using its airports in France encouraging them to renew their fleets with lower-emission aircraft.
- **Sustainable biofuels:** in April 2021, VINCI Airports became the first French airport operator to offer users sustainable biofuel at Clermont-Ferrand airport. The emissions-based landing charges will encourage airlines to use these sustainable biofuels.
- **Forest carbon sinks:** at Lyon-Saint Exupéry and Lyon-Bron airports, a local reforestation program is being rolled out to absorb all residual emissions.

- **Green hydrogen:** with the first hydrogen-powered aircraft due in the 2030s, VINCI Airports is preparing to transform its airports into green hydrogen hubs that can meet the needs of the entire ecosystem.

Exemplary airports: VINCI Airports is the first international airport consortium to have all its platforms enter the Airports Council International's voluntary Airport Carbon Accreditation programme to reduce greenhouse gas emissions. Lyon-Saint Exupéry and London Gatwick airports have now both obtained Level 3+ certification for carbon neutrality, while Guanacaste airport in Costa Rica has been recognised as carbon neutral by the non-profit organisation Earth University. In Brazil, Salvador Bahia airport was recognized as "Brazil's most sustainable aerodrome in 2019" by Brazil's National Civil Aviation Agency (ANAC).

Next target: all airports will be carbon neutral by 2030, before aiming for "net zero emissions".

22%

LESS EMISSIONS
BETWEEN 2018
AND 2020 THANKS
TO AIRPACT.



40%

LESS CO₂ EMISSIONS FROM ASPHALT PRODUCTION AT THE SAINTE-SUZANNE-ET-CHAMMES PLANT.

IN THE SUMMER, POWER ROAD® CAPTURES THE SUN'S ENERGY TO HEAT NEARBY INFRASTRUCTURES.

Reducing the carbon footprint of roads, from the production plant to the user

A LOW-CARBON ASPHALT PLANT

Eurovia's (VINCI Construction) asphalt mixing plant at Sainte-Suzanne-et-Chammes, in western France, was completely modernised and equipped with its own solar power plant in 2020. It uses the latest technology to reduce its carbon footprint: energy is saved by drying materials in hangars, more efficient latest generation worksite machines are used, natural gas instead of heavy fuel oil, electrically heated asphalt binder tanks, and more asphalt aggregate (up to 50% instead of 30% in the old plant). As a result it has cut its asphalt production CO₂ emissions by 40%.

POWER ROAD®, A ROAD THAT CAPTURES, STORES AND REDISTRIBUTES ENERGY

Power Road® works like a heat exchanger. Throughout the year, and especially in the summer, the road captures the sun's heat energy. It is either transferred to nearby buildings and infrastructure (e.g. to heat swimming pools or provide hot water for office buildings), or stored in geothermal wells for reuse in the winter to heat buildings or remove snow and ice from roads, thus avoiding the need for huge quantities of salt.

INDUCTIVE ROADS TO RECHARGE ELECTRIC VEHICLES

In Sweden and Germany, Eurovia, VINCI Autoroutes and VINCI Energies are developing the world's first inductive charging roads. The idea is to enable electric vehicles to recharge through a sensor located under the chassis that communicates with an electric coil embedded in the road surface.

Induction enables all vehicles to recharge while moving or stationary, and could therefore significantly boost the growth of electric-powered travel while making electric vehicles suitable for long-distance travel.

OPTIMIZING USERS' ITINERARIES

Addhelix by Axians (VINCI Energies) is a digital solution that helps logistics companies find the best and shortest routes for their deliveries. It enables clients to cut their emissions by 20% on average. For example, thanks to Addhelix, an Austrian client saved 12 million kilometers in one year, and avoided 6 million tonnes of CO₂ emissions.



Sustainable building with a new range of low-carbon concretes

VINCI Construction launched its Exegy low-carbon concrete range in September 2020, It thereby set new industry standards by introducing formulations that reduce CO₂ emissions by up to 70% compared with traditional concretes while displaying equivalent – if not even superior – strength and resistance properties for a similar cost. VINCI Construction intends to work with all industry players to significantly develop the use of these concretes in structures of all kinds, both buildings and infrastructure. It has committed to introducing the widespread use of low-carbon concretes in its own projects over the next decade.

FACTORING THE IMPACTS OF CLIMATE CHANGE FROM THE START

Resalliance is a design office that adapts projects, infrastructures and their uses to climate change. It was founded as part of an intrapreneur scheme at Leonard.



Positive energy buildings: turning problems into opportunities

VINCI Facilities, a subsidiary of VINCI Energies, develops facilities management solutions that optimise building management, boost energy efficiency and improve the working conditions of end users. Facility management also involves providing companies and public institutions with support and advice to help them manage their energy consumption.

A POSITIVE ENERGY SCHOOL

Under a public-private partnership, VINCI Facilities manages operations in the Realschule Poing School in Germany, for which it has designed and deployed high-efficiency energy solutions. Photovoltaic panels, wooden cladding, triple-glazed windows and dual flow ventilation have turned the school into a positive energy building. The facility now produces more renewable energy than it uses. The energy produced and not used by the building is then fed into the public grid, for use by the municipality.

90%

VINCI CONSTRUCTION
COMMITTS TO USING
90% LOW-CARBON
CONCRETES BY 2030.

THE REALSCHULE
POING SCHOOL
BUILDING MANAGED
BY VINCI FACILITIES
IN GERMANY IS NOW
A POSITIVE ENERGY
BUILDING.



60%

LESS CO₂ EMISSIONS ON THE ATHENS-PATRAS MOTORWAY WITH THE NEW LED LIGHTING SYSTEM.

ACTEMIUM WORKS WITH THE PS2E (PARIS-SACLAY EFFICACITÉ ÉNERGÉTIQUE) RESEARCH INSTITUTE.

Improving the energy efficiency of public lighting

According to Ademe, the French Environment and Energy Management Agency, public lighting accounts for 41% of the electricity consumed by local governments. But it is also a true source of savings. Citeos (VINCI Energies) helps over 3,000 municipalities improve their energy performance. For example, in Cergy-Pontoise, just outside Paris, it has committed to reducing the city's energy consumption by 47% over 18 years, by renovating 80% of the existing lighting equipment and installing 7,000 LED lights, which are more energy-efficient. Citeos helped the city of Canberra in Australia cut its energy consumption by about 45%.

RENEWING TUNNEL LIGHTING

In Greece, where VINCI Highways holds the concession for the Athens-Patras motorway (201 km), a new LED lighting system was installed in the tunnels, reducing CO₂ emissions for tunnel operations by 60%. Similar initiatives have been launched across the Group's motorway networks in France and other countries.



Optimising energy consumption in industry

Industrial processes account for two-thirds of the energy consumed by manufacturing plants. To help its clients cut their energy consumption, Actemium (VINCI Energies) has developed a comprehensive energy audit service. Actemium looks at the entire production system – from raw material input to product output – calculates the minimum energy requirement and compares this figure with the actual amount consumed by the site. It then draws up an action plan to cut energy consumption to a minimum. To develop advanced energy audit methodologies, Actemium works with the PS2E (Paris-Saclay Efficacité Énergétique) research institute, which brings together public and private players.

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THANKS
CIRCULAR
NOMY



RETHINKING THE WAY WE CONSUME, PRODUCE AND MANAGE OUR RESOURCES

VINCI IS MOVING TOWARDS A CIRCULAR ECONOMY.

VINCI intends to limit the impact of its activities by moving towards a circular economy. Doing this entails rethinking our supply chain to reduce the extraction of virgin raw materials, consume mainly reused or recycled products and sustainable materials, and significantly reduce the waste we produce.

This means bringing all our suppliers, clients and partners together to find the best ways to reduce the use of virgin raw materials, and reuse the waste we inevitably generate as a resource for our own or other activities – with a focus on encouraging local solutions. For example, we offer clients recycled materials made with waste generated by our own activities.

A STRATEGY OF CONTINUOUS IMPROVEMENT



Committing to a circular economy approach means revising all our current procedures. The key challenge is to limit our footprint by reducing the extraction of virgin raw materials, implementing efficient techniques, adopting effective behaviour patterns, and reusing and recycling.

Focusing on our sourcing means improving our waste management, especially by developing innovative solutions to reduce and recover both our own and our clients' waste.

OUR COMMITMENTS

VINCI's ambition is to apply a circular economy approach to all our activities.

Improve waste sorting and recovery

VINCI is taking action to reduce the amount of waste generated by its construction activities and its concession users and to systematically recover it.

ACTIONS TAKEN



Reducing waste at source

- Implementing plans to manage waste materials at worksites.
- Rolling out programmes to phase out single-use plastic products at some entities in partnership with retail brands.



Recovery

- Improving waste sorting.
- Systematically recovering waste (including targets by geographic area at some entities).

ZERO WASTE TO LANDFILL FROM ALL CONCESSIONS

45%

OF ASPHALT AGGREGATES

WILL BE MADE FROM

RECYCLED MOTORWAY SURFACES*

BY 2030



*On the VINCI Autoroutes network.

Promote construction techniques and materials that economise on natural resources

As raw materials sourcing is a central issue, we use eco-design approaches to projects and give precedence to reused or recycled materials.

ACTIONS TAKEN



Eco-design

- Using smaller amounts of resources in construction by eco-designing projects and reducing waste at source.
- Filing patents on eco-designed products.



Supply chain

- Favouring the use of secondary, recycled or reused materials in each major supply chain (aggregates, steel, inert materials, biomass, etc.).
- Encouraging the use of reusable or recycled materials when serving as programme manager on concessions.

Expand the offer of recycled materials to limit extraction of virgin materials

Some of our business activities involve producing materials (quarrying, in particular). Their principal goal is to develop more alternatives to raw materials, i.e. offer recycled materials and expand their recycling capacity.

ACTIONS TAKEN



Recycling

- Increasing the number of permanent sites able to take in and process recycled materials.



Promoting

- Promoting our choice of recycled materials.

2030 TARGET FOR EUROVIA (VINCI CONSTRUCTION)

DOUBLE
THE SHARE OF
**RECYCLED**
AGGREGATES
PRODUCED

(TO 20 MILLION METRIC TONNES A YEAR)

ACTIONS AND ACHIEVEMENTS



“Zero waste to landfill” airports

After VINCI Airports took over the concession for Salvador Bahia airport in January 2018, it became the first Brazilian airport to set itself the objective of recovering all its waste. The airport’s large-scale environmental requalification programme included creating a new sorting centre with an optimised waste management system. All the airport’s waste was recovered in 2020, compared with 1% before VINCI Airports became the concession holder. The programme also focused on creating a plant to treat all the airport’s wastewater and recycle it in toilets, green areas and airport airconditioning. Salvador Bahia was recognised as “Brazil’s most sustainable aerodrome” by Brazil’s National Civil Aviation Agency and also received several international awards, including “ACI-LAC Green Airport Recognition”.



Aggregate recycling and recovery with Granulat+

In France, annual aggregate requirements amount to 560 million metric tonnes. With 130 Granulat+ sites across France, Eurovia (VINCI Construction) offers a range of alternative construction materials. The idea is to use fewer quarried materials by recycling inert worksite waste. Eurovia, which combines this activity with its quarry business, has become France’s leader in recycled construction materials with an annual production of 12 million metric tonnes.

100%

OF WASTE RECOVERED
AT SALVADOR BAHIA
AIRPORT.

SALVADOR BAHIA
NAMED BRAZIL’S
MOST SUSTAINABLE
AERODROME
BY NATIONAL CIVIL
AVIATION AGENCY.

12

MILLION METRIC
TONNES OF RECYCLED
CONSTRUCTION
MATERIALS
PRODUCED A YEAR.



Fully recycled roads

Eurovia has developed an innovative very-high-percentage recycled road renovation process using a specific mobile continuous asphalt plant designed in partnership with Marini-Ermont. After completing a 1 km test section of the world's first fully recycled road on the VINCI Autoroutes motorway network in France, Eurovia applied the process to road sections in three French departments (Charente, Charente-Maritime and Vienne). It was able to increase the aggregate recycling rate to 70% by reusing planned material as a new road surface layer directly on-site.



Blastfurnace slag to replace cement

To produce its Exegy low-carbon concrete, VINCI Construction replaces clinker – the main component in traditional cement and largest source of greenhouse gas emissions – with alternative binders made from blastfurnace slag. Ground slag, a by-product from the manufacture of iron, has a small carbon footprint. VINCI Construction also teamed up with specialist Ecocem to develop an innovative solution that activates the ground slag increasing the clinker replacement rate to nearly 100%. Exegy is a way of recycling blastfurnace slag in concrete that still offers

the same technical properties as traditional concrete, and notably the same degree of resistance. It was used, for example, to construct l'archipel, VINCI Group's future head office – the first time it was used for the structural elements of a building in France. At the same time, VINCI Construction is conducting a research and development program into the suitability of other alternative mineral binders.



Digital solutions and optimized worksite waste management

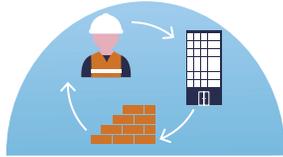
Incubated and accelerated by Leonard, the Group's innovation and foresight platform, Waste Marketplace is a digital solution that facilitates management of waste from worksites, operations and industry, and improves its recycling and traceability at the best possible cost. In four clicks on the application, a works supervisor on site can order a waste removal lorry. The app's algorithm chooses the best solution for each type of waste from among a network of partners, resulting in a recycling rate of more than 80%. The system automatically generates a report at each stage and guarantees absolute traceability. Waste Marketplace has already rolled out its integrated solution to around 100 sites, including some conducted by non-Group companies.

100%

A CLINKER
REPLACEMENT RATE
OF NEARLY 100%.

80%

WASTE MARKETPLACE
ACHIEVES A
RECYCLING RATE
OF MORE THAN 80%.



Reusing worksite materials

The construction sector is moving towards a circular economy with the 3R concept of “reduce, reuse and recycle”. La Ressourcerie du BTP is a concrete example of the circular economy model. The marketplace, which was developed at the Group’s innovation and foresight platform, Leonard, aims to promote the reuse of materials from finishing works and offer employment opportunities to people on integration programmes. The main challenges posed by this process are identifying the potential of objects and materials, and ensuring their recovery and traceability. 2021 target: after the pilot phase, to take it to the next level and roll out the La Ressourcerie offer.

LA RESSOURCERIE IS A MARKETPLACE THAT ENCOURAGES AND FACILITATES THE REUSE OF MATERIALS.



Encouraging motorists in Lima, Peru to recycle their plastic waste

Pex, the Peruvian automatic toll collection subsidiary of VINCI Highways, enables its users to pay for toll and parking services in Lima by recycling plastic bottles. Lima’s drivers can deposit plastic bottles in a recycling robot which, thanks to artificial intelligence, evaluates the value of the materials deposited and automatically assigns “green credits” for each bottle deposited. The amount

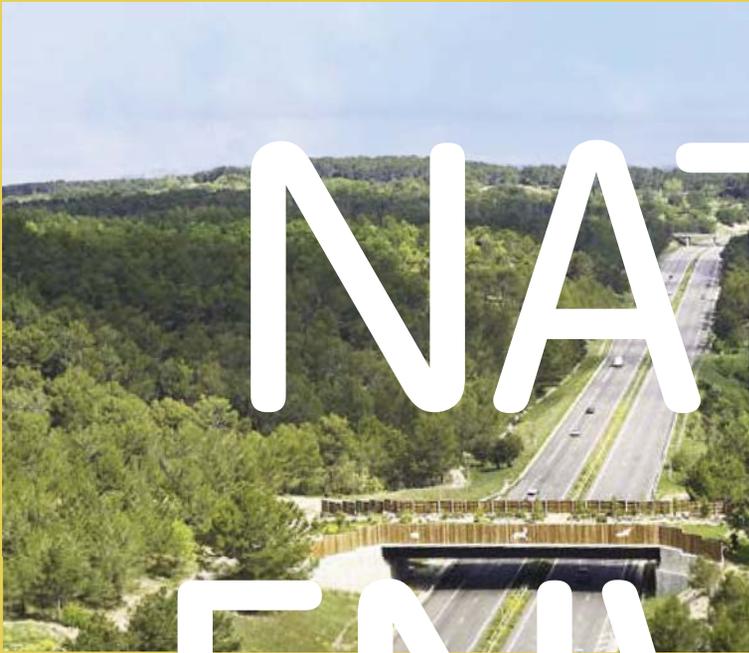
can be consulted directly on the mobile application and can then be used as a means of payment for the various services offered by the VINCI Highways subsidiary in Peru, such as subscriptions to Lima’s expressways or parking in the Real Plaza parking lots in the Peruvian capital.



Smart waste management

Optimised waste management involves streamlining waste transport. Axians (VINC Energies) helps its clients optimise waste collection. In the Netherlands, for example, sensors placed in the containers alert waste managers when they are full so they can optimize vehicle sizes and collection routes.

PRESER



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ADAPTING OUR ACTIVITIES TO CURRENT AND FUTURE ECOLOGICAL CHALLENGES

PROTECTING NATURAL ENVIRONMENTS PLAYS A KEY ROLE IN OUR DESIGN, CONSTRUCTION AND OPERATIONS PROCESSES.

As VINCI's activities have a direct or indirect influence on natural environments, protecting these environments plays a key role in our design, construction and operations processes. Throughout the project life cycles, we strive to have as little impact as possible on natural environments. This means our activities must be exemplary and provide and implement solutions that avoid, minimise and, where necessary, offset our impacts.

VINCI innovates, develops and rolls out solutions that address environmental challenges, such as water management (water treatment plants and processes) and ecological restoration and transparency (reconfiguring stream and river channels, wildlife crossings, etc.). We are very aware of how important these issues are and work with meticulous external local experts to offer appropriate and effective solutions on our projects. We are determined to expand these solutions and develop the expertise of our teams across the design, construction and operations phases, so we can offer ever-more targeted and robust solutions.

A STRATEGY OF CONTINUOUS IMPROVEMENT



VINCI aims to reduce its impact on natural environments by aligning its businesses on long-term ecological challenges.

The Group is accelerating the rollout of its ecological engineering expertise across all its businesses to ensure they take into account biodiversity and natural environments in all their operations and for projects of any size. To protect water resources, VINCI addresses needs at the local level and promotes innovative hydraulic infrastructure and water treatment processes. Governance, the sharing of best practices, and partnerships with ecological institutions and organisations are being improved to contribute to the Group's progress. As part of some projects undertaken for their clients, its companies are also developing comprehensive ecological engineering solutions and alternative versions that are better for natural environments.

OUR COMMITMENTS

VINCI is committed to preserving water resources and aiming to achieve no net loss of biodiversity.

Prevent pollution and incidents by systematically implementing an environmental management plan in all our business lines

Rolling out local environmental management plans means defining environmental management indicators, setting up environmental governance and designating persons in charge of environmental management to assess and limit the impact of our activities on the flora and fauna of the region concerned.

We also develop business-specific awareness and training tools.

Optimise water consumption, especially in areas of water stress

VINCI's businesses need water and can have direct or indirect impacts on natural environments. Beyond preventing water pollution, we need to optimise consumption.

ACTIONS TAKEN



Monitoring

• We collect reliable data to measure water purchased and extracted.



Guidelines

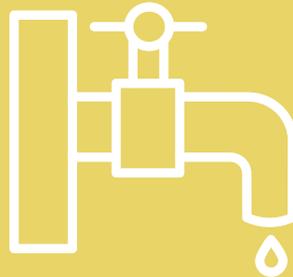
• We share best practices in each business.



Recycling

• We promote water reuse and other solutions to reduce consumption.

2030 TARGET FOR VINCI CONCESSIONS:



HALVE
THE QUANTITY OF
WATER
CONSUMED
PER UNIT OF TRAFFIC

Aiming to achieve no net loss of biodiversity

Initiatives are adapted to local environmental issues and the duration of the project on both worksites and long-term sites operated and managed by our companies.

VINCI is also one of the first companies to join the act4nature international alliance which aims to integrate the issue of biodiversity in all activities and at every level. It is committed to improving knowledge and disseminating best practices regarding the protection of biodiversity, to training and raising awareness among employees, to developing new solutions and to strengthening partnerships.

ACTIONS TAKEN



Zero use of phytosanitary products

- Employing alternatives to phytosanitary products, such as mechanical and thermal weed control and grazing animals.



Action plans, tools and measures

- Rolling out the biodiversity roadmap associated with the commitments to act4nature international.
- Employing an in-house strategy and tools to factor in biodiversity at the Group's worksites and infrastructure.



Offsets and green works

- Developing nature-based solutions to fight climate change or flood risk, especially through ecological engineering.
- Voluntary or regulatory offsetting projects: based on the context, methods for measuring biodiversity losses and gains, and indicators to monitor change over time.

2030 TARGET
ZERO
USE
OF PHYTOSANITARY PRODUCTS
AT EVERY SITE

(EXCEPT WHERE REQUIRED UNDER CONTRACTS OR REGULATIONS)



ACTIONS AND ACHIEVEMENTS



Infrastructures that preserve natural environments

THE “AVOID, MINIMIZE, OFFSET” APPROACH ESTABLISHES THE PRINCIPLE OF “NO NET LOSS” OF BIODIVERSITY.

130

CROSSINGS WILL ENABLE WILDLIFE TO CROSS AN INFRASTRUCTURE IN USE NEAR STRASBOURG.

PROTECTING BIODIVERSITY ON THE WESTERN STRASBOURG BYPASS

The western Strasbourg bypass project (24 km) includes a biodiversity and natural habitat conservation programme of unprecedented scope, itself the result of three years of preparatory research. The motorway encourages ecological transparency with 130 structures, or the equivalent of about one wildlife crossing every 200 metres. Many of the crossings are traditional structures, such as the green bridges, viaducts and cut-and-cover tunnels. But others are more innovative, including the overpasses designed specifically for the European hamster, equipped with anti-predator systems, and the “bioducts” (crossings for small wildlife in the ledge along the gutter of road restoration works). The project also includes a breeding programme in conditions of partial freedom that will reintroduce 1,030 European hamsters into their natural habitat by 2023. The project itself involves a land area of 278 hectares, but the unprecedented ecological compensation measures cover 1,315 hectares, including 1,000 hectares where vegetation will be planted to create a favourable habitat for the European hamster. The land was earmarked for these measures before the works started and the measures will be implemented gradually as the works advance.

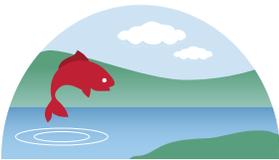
RESTORING THE NATURAL ENVIRONMENT ALONG THE LGV SEA HIGH-SPEED RAILWAY LINE

The LISEA Biodiversity Foundation, created by the concession company of the South Europe Atlantic high-speed rail line (LGV SEA), provides long-term support to species conservation and restoration projects to protect natural habitats along the rail line in the French departments it passes through. Its actions supplement LISEA’s contractual commitments regarding environmental protection and come in addition to the regulatory compensation measures for 350 sites representing a total of 3,800 hectares. For example LISEA Biodiversity supports a programme by the French Bird Protection League (LPO) designed to save the European mink – the Charente basin is home to one of the continent’s last wild populations.



Timber construction

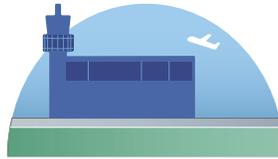
Arbonis (VINCI Construction), which specializes in timber constructions – using wood with a positive carbon footprint sourced from sustainably managed forests – helps meet environmental performance objectives. The company designs and constructs all types of timber buildings and facilities, applying the latest technologies and methods. It is most notably taking part in the Treed It sustainable city demonstrator in Marne-la-Vallée, east of Paris, which includes the construction of an 11-floor, 37-metre-high tower with a wooden framework. It has also developed the modular ARBO 3D process, which boasts prefabricated elements, rapid on-site installation, great architectural flexibility and cost control, and is well-suited to the construction of buildings like schools and student accommodation.



Restoring ecological connectivity

VINCI Construction applies its ecological engineering expertise to build structures designed to maintain or restore ecological connectivity, renaturalise natural habitats, and use and manage plant species. Equo Vivo, for example, is responsible for the hydromorpho-

logical restoration of the Yvette River in the Haute Vallée de Chevreuse Regional Natural Park. It is giving the river a more natural profile with new structures that also help hold back flood water.



Virtuous airports

VINCI Airports reduced the use of pesticides by 70% between 2018 and 2020 and is well on the way to eliminating the use of phytosanitary products in all its airports. It has also teamed up with the French national beekeepers' association (Unaf) to protect and monitor pollinators.

It also formed several other partnerships to protect biodiversity across its network. They most notably include ANA's work in Portugal with CERVAS (Centre for Ecology, Recovery and Monitoring of Wildlife) and RIAS (Wildlife Rehabilitation and Research Centre of Ria Formosa) or in Gatwick (Gatwick Greenspace Partnership and Sussex Biodiversity Records Centre) whose management of biodiversity was recognised by the Wildlife Trust's Biodiversity Benchmark Award.

More recently, Grenoble Alpes Isère airport signed an agreement with the French Bird Protection League (LPO) so it could identify and highlight biodiversity issues related to its operations by regularly monitoring the bird species in its area.

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A 37-METRE-HIGH TOWER WITH A WOODEN FRAMEWORK IN MARNE-LA-VALLÉE.

90%

OF TIMBER USED BY WOOD CONSTRUCTION SUBSIDIARIES WAS FROM PEFC- OR FSC-CERTIFIED SUSTAINABLE FORESTS IN 2020.



IN UGANDA,
SOGEA-SATOM
PLANTED 18,000 TREES
IN 2019 ON A PLOT
BELONGING TO
UGANDA'S WATER
AUTHORITIES.



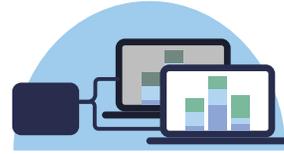
A PARTNERSHIP
BETWEEN EUROVIA
AND PATRINAT
TO PRESERVE
BIODIVERSITY.



Partnership between Eurovia (VINCI Construction) and the Natural Heritage Department

Founded in 2012, the partnership between Eurovia and the Natural Heritage Department (NHD) – a collaborative research and education entity focusing on natural heritage under the aegis of three organisations (France’s Natural History Museum, the CNRS and the French Office for Biodiversity) – is pioneering for the industry and has helped expand scientific knowledge of biodiversity. It has:

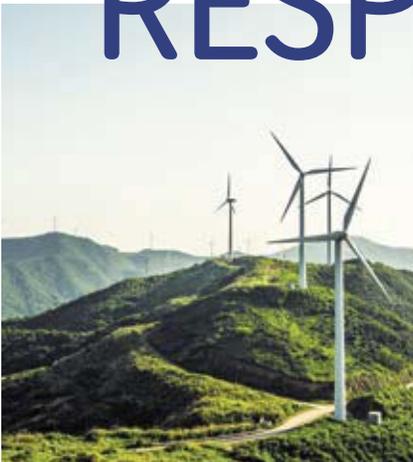
- developed scientific solutions and methods to assess the impacts of the company’s activities on biodiversity, such as the Ecological Quality Indicator (IQE) and a toolbox for assessing biodiversity around linear infrastructure (OEIL) used by planners and quarry operators;
- centralised and analysed Eurovia’s existing data on flora and fauna to populate national databases;
- implemented action plans to reduce the environmental footprint of quarries.



Reducing client water use

Axians (VINCI Energies) offers smart irrigation solutions. Using temperature and ground humidity sensors, as well as weather forecasts, Axians, helped the city of Florence in Italy reduce its water use by 30%.

**WE BELIEVE THAT
THE ENVIRONMENT IS
EVERYONE'S
RESPONSIBILITY**





We believe that the environment is everyone's responsibility, and will achieve VINCI's environmental ambition, which is an integral part of our commitment to **all-round performance**, by fostering an environmental culture among our employees, collaborating closely with our subcontractors and suppliers, and developing environmental solutions for our customers.

To encourage our employees to get involved and play an active role in our environmental ambition, we organise the VINCI Environment Day every year. This event brings together employees in all our business lines and all the countries where we operate.

With the same objective in mind, in 2021 we launched the Environment Awards, a Group-wide contest open to all our employees. The award highlights real-life initiatives and best environmental practices applied by our teams on the ground, and helps to spread them across all our entities.

We have also stepped up training efforts, with an e-learning programme about the Group's environmental challenges and commitments, which is supplemented with the dedicated environment modules included in our entities' training programmes.

Since environmental issues permeate all the Group's activities, the Finance department successfully issued its first ever green bond in 2020.

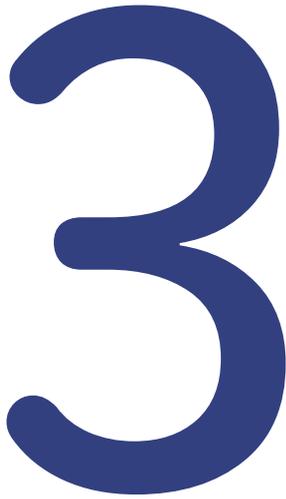
And because our approach to protecting the planet is by its nature a collaborative one, we were the first company in France to give our shareholders a "say on climate" vote: 98.14% of voters approved VINCI's environmental strategy at our annual general meeting on April 8, 2021.



IN A NUTSHELL

Aware of the responsibilities its activities confer on it, VINCI has set itself a new environmental ambition looking to 2030 with a two-pronged approach:

- Significantly reduce the direct impact of its activities.
- Help its clients and partners reduce their own environmental footprint.



MAIN FOCUS AREAS

Acting for the climate

The Group is taking action to limit the consequences of climate change, by setting ambitious targets:

- Reduce direct greenhouse gas emissions (Scopes 1 and 2) by 40% by 2030, compared with 2018 levels.
- Reduce its indirect emissions by taking action across the entire value chain.
- Adapt structures and activities to improve their climate change resilience.

Optimising resources thanks to the circular economy

VINCI intends to limit its impact by moving towards a circular economy. Above all, this means improving our design and production processes, reducing extraction of virgin raw materials, reusing and recycling.

- Promote construction techniques and materials that uses fewer natural resources.
- Improve waste sorting to ensure systematic waste recovery.
- Limit the extraction of primary raw materials in favour of recycled materials.

Preserving natural environments

Throughout the project life cycle, the Group's entities must have as little impact as possible on natural environments, and must develop solutions to conserve fresh water resources and restore ecological balance.

- Prevent pollution and incidents by systematically implementing an environmental management plan in all our business lines.
- Optimise water consumption, especially in areas of water stress.
- Aim to achieve no net loss of biodiversity.



About VINCI

VINCI is a global player in concessions, construction and energy businesses, employing more than 217,000 people in some 100 countries. We design, finance, build and operate infrastructure and facilities that help improve daily life and mobility for all. Because we believe in all-round performance, we are committed to operating in an environmentally, socially responsible and ethical manner. And because our projects are in the public interest, we consider that reaching out to all our stakeholders and engaging in dialogue with them is essential in the conduct of our business activities. Based on that approach, VINCI's ambition is to create long-term value for its customers, shareholders, employees, partners and society in general.

www.vinci.com

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