- **Decarbonisation pathways**
- **Climate action plans**
- **Energy master planning**

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Urbanomy is a **strategic energy and climate consultancy** with a mission to accelerate the global transition to a decarbonised world.

Working with clients from a wide range of sectors and industries, we shape the **business models, practices, and technologies** needed to create more sustainable organisations, places, and products & services.

What we do

Decarbonisation pathways

(for businesses, asset managers, local authorities & public bodies)

We develop clear, practical pathways and strategies for organisations to achieve their Net Zero goals. We develop comprehensive action plans including investment business cases.

Climate strategies

(for businesses, local authorities & public bodies)

We develop climate action plans across multiple sectors including alignment with regulation, financial disclosures, resilience / adaption to climate, life cycle analysis and biodiversity indicators.

Low & zero-carbon energy master planning

(for property developers & local authorities)

We model and evaluate energy systems and technologies to support the development of low- or zero-carbon districts and communities. We do this for both green and brownfield sites.

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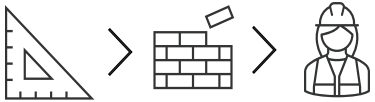
What sets us apart

1. Small, yet connected

Though our team is small, we have access to experts from across EDF Group as well as our strategic partners. This allows us to be light on our feet, while benefiting from the latest technical and operational knowledge and experience.

2. Solution agnostic

Our recommendations are always based on what is best for your project. We never tie implementation to specific providers, products or services.



3. Ability to make it happen

If required, we can act as a ‘one-stop shop’, working with other EDF subsidiaries and partners (such as Breathe, Imtech, EDF Renewables) to implement the recommendations defined in our strategies and actions plans.

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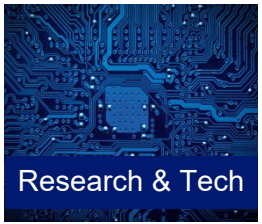
Sectors we work with

We work with public and private organisations across a diverse range of sectors, including:



Sectors we work with

We work with public and private organisations across a diverse range of sectors, including:

Low & zero-carbon energy master planning

Model and evaluate energy systems and technologies to support the development of low- or zero-carbon districts and communities.

Typical clients

- Property developers
- Landowners
- Local authorities

Services

- Energy demand and capacity forecasting
- Energy scenario modelling & evaluation
- Local renewables potential assessment
- Flexibility potential and value assessment (for EVCP, battery & thermal storage)
- Pre-design of local energy systems (RIBA stage 2)
- Project economic analysis and risk management

Low-carbon energy strategy for a new community

Client: **Oxfordshire County Council (OCC)**

Challenge

Salt Cross Garden Village is a new community being developed in Oxfordshire, comprising of 2,200 new homes, a 40Ha science park, two schools, and a health centre

Having already developed an Energy Action Plan and Aread Action Plan, OCC appointed Urbanomy to:

- Ensure the efficient management of local energy demand and generation;
- Ensure that the local mobility plan addressed local residents' and visitors' needs while supporting the energy system and infrastructure;
- Translate the objectives and key outputs identified in the EAP and the AAP into concrete actions that support the village in achieving its overall vision to become a net zero carbon, energy positive development

Deliverables

Urbanomy modeled and simulated three energy scenarios, and identified a system that will reduce the site's peak demand by 7%. We also designed a strategy to achieve 15 kWh/m2/year of building heating requirements in line with the Future Homes Standard (2025 ready). And we proposed a vehicle-to-grid (V2G) EV charging scheme that will cover more than 100% of reseidents' charging costs. As a final deliverable, we provided the Council with priority recommendations and an interactive data dashboard to present and interrogate the results.

Low-carbon energy strategy for a private medical research campus

Client: **Urban&Civic (on behalf of the Wellcome Trust)**

Challenge

Urban&Civic appointed Urbanomy, on behalf of the Wellcome Trust, to guide the development of a low-carbon, local energy system for the Wellcome Genome Campus.

Located near Hinxton, Cambridgeshire, the 314-acre Campus will undergo significant expansion over the next 15 years, adding 150,000 sqm of research and translation floorspace, up to 1,500 new homes for Campus-linked workers, and 22,750 sqm of education, community and leisure uses.

Supporting a plan to make its assets carbon net zero by 2050 at the latest, Wellcome set a requirement for the new Campus to be entirely powered by renewables.

Deliverables

Urbanomy looked at how best to achieve this requirement—quantifying the future energy needs and consumption of all buildings and electric vehicles on-site; assessing the potential for renewables generation, both on-site and nearby; analysing three all-electric local energy systems; and identifying opportunities for flexibility through storage and smart vehicle charging.

Energy analysis for improved energy efficiency

Client: CERN, France & Switzerland

Challenge

The purpose of this study is to identify the baseline energy consumption of tertiary buildings at CERN to help the organisation take action to meet the requirements of ISO50001 and support Décret Tertiaire reporting. Urbanomy is assessing the building energy needs and demand for the Meyrin and Prevessin CERN sites in France and Switzerland, as part of a wider project led by EDF. We are also providing recommendations on the waste heat recovery potential, building on existing studies conducted by CERN.

Deliverables

The objectives of this study are to:

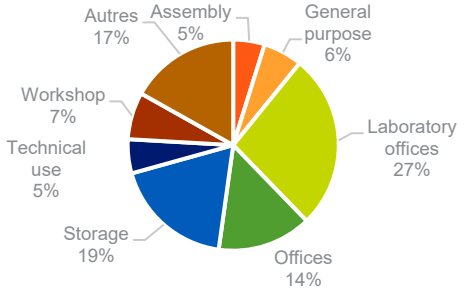
- Provide data on current energy performance of tertiary buildings at both sites
- Providing recommendations on waste heat recovery from data center
- Summary for decisionmakers to inform compliance

298 buildings

ISO50001

Décret tertiaire

-40% en 2030 | -50% en 2040 | -60% en 2050



Example of typologies assessed on the CERN campus

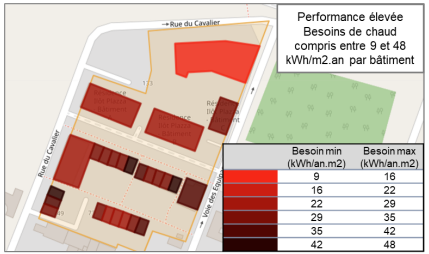
Environmental footprint of an ecodistrict

Client: **Agglomération Hénin-Carvin**

Challenge

Saint Henriette is a 54ha regeneration site located in the northwest of France. Supporting a vision to transform the site from a former industrial site to an eco-district, the objectives of this project were to:

- Evaluate the environmental impact of the existing buildings and provide a quantitative analysis of the low-carbon solutions already implemented
- Define the best solutions for the future buildings to achieve performance beyond compliance thresholds

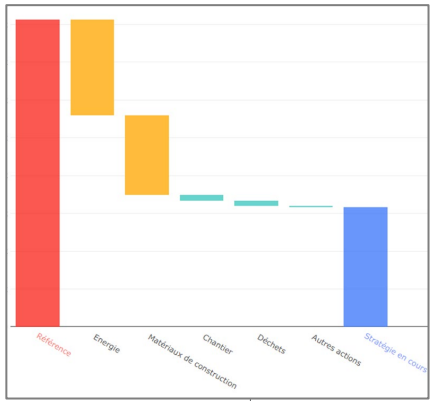


Deliverables

Environmental impacts were calculated in terms of GHG emissions, as well as other indicators such as air quality, water consumption, and biodiversity loss.

Using the Urban Print modelling tool, we performed a Life-Cycle Analysis of the entire district including existing buildings and assumptions for future buildings. This considered environmental impacts resulting from the materials, construction and the use of the buildings over their entire life, as well as their demolition and disposal. We then recommended the best solutions to minimise the carbon impact of new buildings on site, with consideration for: construction materials, energy performance and insulation, energy systems, financial viability and the objectives of the client.

Results of the project will be used as a reference for future projects in the region.



26 Environmental indicators

2 main dimensions for the analysis : per building and per inhabitant

Environmental footprint of an ecodistrict

Client: Giboire, developer of the ZAC de la Croix district

Challenge

The ZAC de la Croix district will provide 720 housing units on 24.4 ha. Within the framework of the Eco Quartier label, the developer's ambition is to build a neighborhood with high environmental and social value for its future inhabitants.

The goal is to have a global vision of the neighborhood's environmental footprint. This will help guide the choices for the development of the neighborhood in terms of building materials, building performance and energy systems.

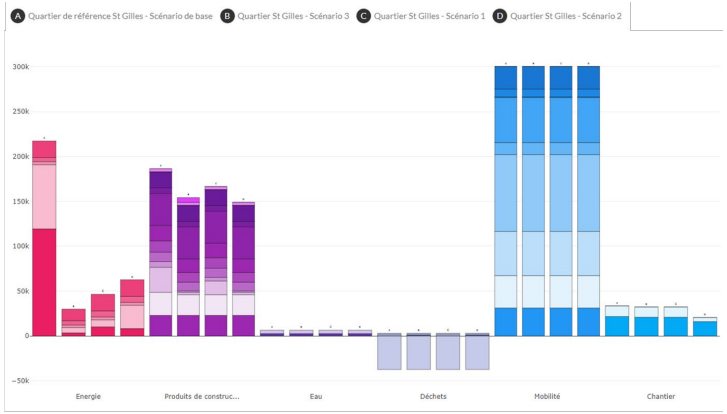
Deliverables

Using the UrbanPrint tool developed by Efficacity, we modelled the first section of the district, which consists of 4 collective buildings and 86 individual houses.

We applied the Life Cycle Assessment methodology to the eco-district, taking into account the production of materials, construction, use and end of life.

After modelling the reference district, 3 scenarios were created to compare the environmental relevance of different levers: heat pumps, district heating network with Biomass, PV panels, biosourced materials for construction, very high insulation performance level.

The environmental footprint was analyzed according to the carbon dimension but also considering other environmental indicators such as water and soil pollution, energy consumption and use of materials.



90 Buildings modelled

3 scenarios To reduce the district's environmental footprint

Territorial study of a building stock

Client: Combined Authorities

Challenge

Our client wanted a diagnosis of the consumption and emissions of the building stock on its territory. The objective of the project is to identify the most energy-intensive buildings in order to target renovation through subsidies mechanisms provided by the local authority.

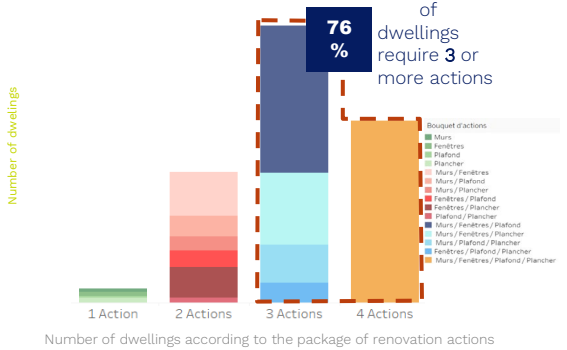
Deliverables

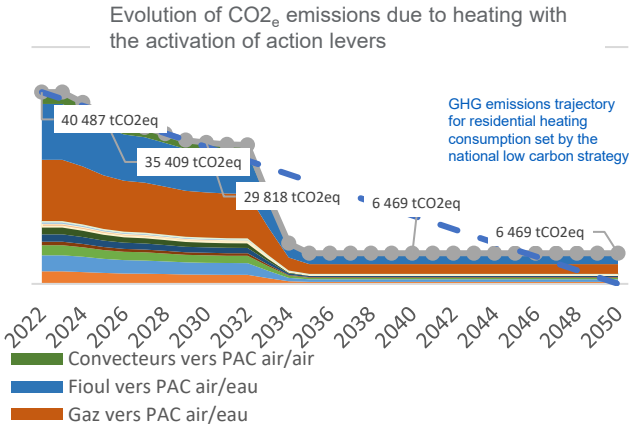
In partnership with the Regional Division of EDF, the building stock has been analysed using statistical analysis tool developed by EDF R&D, which gives a precise picture of the state of the stock and its energy consumption by vector. The analysis is done at the IRIS scale and can then be aggregated at the municipal scale or by typology.
The tool also allows a diagnosis of carbon emissions by energy vector, as well as an analysis of local fuel poverty. A cross-check with the EPC data also makes it possible to give more details on the recommendations and to go down to a finer spatial level.

Finally, we compared this study with the objectives of the SNBC (French National Low-Carbon Strategy) in order to carry out a prospective study and to evaluate the potential energy saving and emission reduction potential according to different scenarios from the SNBC.

Energy
CO_2
Costs
Fuel Poverty

A complete and detailed analysis of these 4 key indicators at the IRIS level





Decarbonisation pathways

Develop clear, practical pathways and strategies for private sector organisations to achieve their net-zero goals.

Typical clients

- Businesses (Industrial & Commercial)
- Local authorities
- Public bodies (e.g. NHS Trusts, Gov departments, …)

Services

- Carbon assessment of organisations and their activities (Scopes 1, 2, and 3)
- Decarbonisation vision and target setting (SBTi)
- Decarbonisation strategy and action planning (What? When? Who? How much?)
- Low-carbon purchasing strategy (to reduce Scope 3)
- Life cycle analysis (LCA) of products and services
- Embodied and operational carbon assessment of real estate portfolios

Portfolio decarbonisation strategy

Client: Caisse Des Depots et Consignations (CDC), France

Challenge

CDC is a public sector financial institution overseeing a €10B real estate portfolio and is seeking to become net zero by 2050.

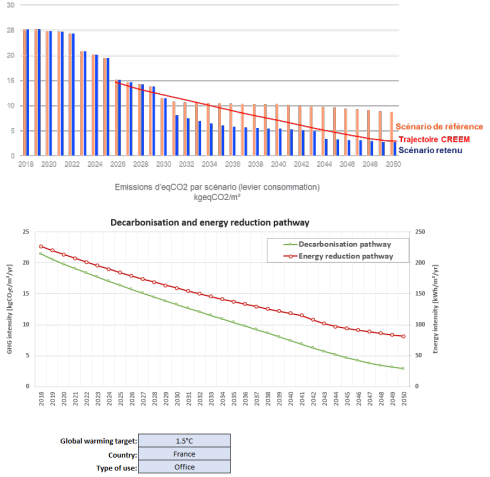
Deliverables

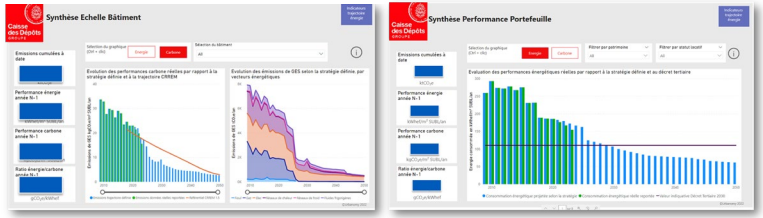
Urbanomy modelled three pathways (business-as-usual, top-of-class ambition, CRREM-compliant) and integrated the impacts of both embodied and emitted carbon on performance.

We then developed a strategy to optimize the cost and carbon reductions:

- CRREM Compliant scenario
- Assessment of the carbon budget allowed (CAPEX and OPEX)
- Limited overcost of 9% compared to reference scenario budget
- 2,9kgCO_2/year/ /m² (CRREM compliant) as opposed to 8,7kgCO_2/year/m² in reference scenario (-66%)
- 2022 – 2050: Implementation and horizon set by the strategy

Finally, we developed dedicated steering dashboard to monitor the action plan.





2.9 **kgCO_2/year/m²** Potential carbon reductions

9% Limited overcost

Assessing the environmental footprint of a property portfolio

Client : Financial institution

Challenge

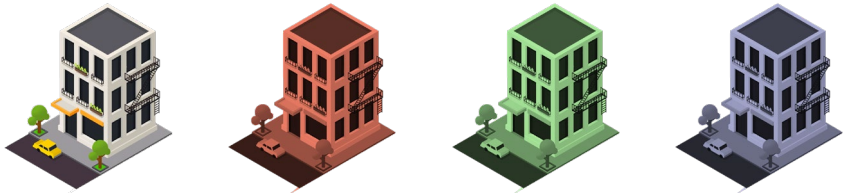
A German financial institution wants to commit to a decarbonisation trajectory and verify its +1.5°C alignment using the X-Degree Compatibility (XDC) analysis method developed by our partner right. based on science.

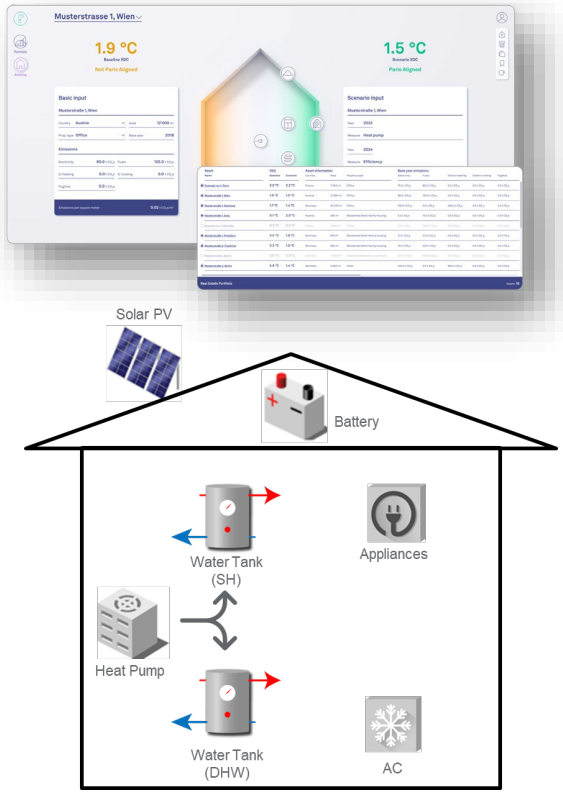
For this analysis, it is necessary to assess the greenhouse gas emissions of its real estate portfolio, composed of more than 280 buildings of different asset classes, located in Germany.

Deliverables

For each building, depending on the type, geographical location, age and use of the property, Urbanomy will complete the missing data and calculate the energy consumption (electricity, heat, cooling) of the properties using its simulation tools.

The equivalent CO_2 emissions will then be calculated for the portfolio studied.





Developing a low-carbon action plan for an international portfolio of holiday homes and villages

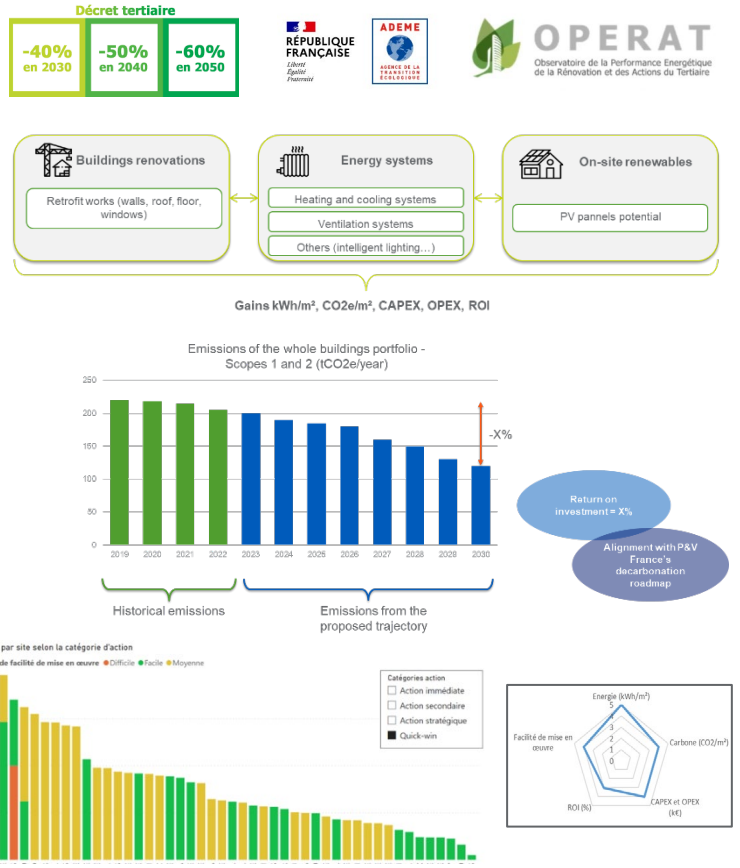
Client: Confidential. A group of holiday homes and villages with over 100 sites in mainland France and French overseas territories, with some subject to Tertiary Decree

Challenge

The Client had defined an ambitious objective of reducing GHG emissions by 46% by 2030 and sought support to identify and prioritise tangible and feasible actions for each site of its portfolio, while considering a complex and varied business model and ownership structure of the assets.
An analysis of the portfolio, supplemented by on-site audits and interviews with site managers, was used to draw up an energy inventory, which was then translated into an action plan with three levers: building renovation, energy systems, renewable energy.
The detailed actions were then prioritised into an action plan, looking at quantified criteria such as energy savings, CO_2e emissions avoided, and return on investment (CAPEX and OPEX). Finally, support was also provided in the communication addressed to the Client's stakeholders, such as assets owners.

Deliverables

Energy and carbon diagnosis of the portfolio of assets, and low carbon trajectory.
Action plans for 2023-2026 and 2027-2030 specifying the annual budget (CAPEX and OPEX) and the payback period, considering the ownership structure of the assets.
Operational reporting for Tertiary Decree, choice of year of reference per asset and action plan to comply with law.
Communicative standardised presentation for workshop campaign with asset owners.



111 sites of which 16 subject to Tertiary Decree (French carbon reduction requirement)

-46% GHG emissions by 2030 compared to 2019

Big H2 BECCS: Sustainability Impact and Carbon Assessment

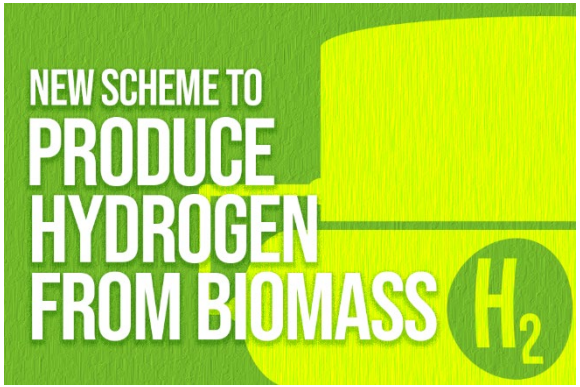
Client: Department for Energy Security and Net Zero (UK)

Urbanomy supported the Hydrogen BECCS Innovation Programme Phase 1 in collaboration with the University of Sheffield, EDF R&D UK Center, and Star Hydrogen. This project was awarded funding from the Department for Energy Security and Net Zero to further BECCS as a method of sequestering emissions and producing low carbon hydrogen, through an innovative demonstrator system proposed.

The demonstrator will utilise a highly selective membrane process with high hydrogen recovery rates which also incorporates a one-step water-gas shift (WGS) reforming process, maximising the amount of hydrogen production by converting the CO in the biomass gasification output stream to additional H2 and CO2. Urbanomy's role was to assess the carbon and sustainability impact of this system, through benchmarking against 5 of the UN's Sustainable Development Goals, exploring short- and long-term social and economic value, as well as evaluating the environmental impact. The greenhouse gas emissions (GHG) were assessed using a methodology inspired by the Bilan Carbone® and the GHG protocol.

Several practical recommendations were then proposed by Urbanomy to create the most value and mitigate carbon emissions.

This funding has been made available from the government's £1 billion Net Zero Innovation Portfolio, which aims to accelerate the commercialisation of innovative clean energy technologies and processes through the 2020s and 2030s. The Hydrogen BECCS Innovation Programme aims to provide funding to support innovation in hydrogen BECCS (bioenergy with carbon capture and storage) technologies.



Low Carbon Action Plan 2023-2030

Client : Club Med

Challenge

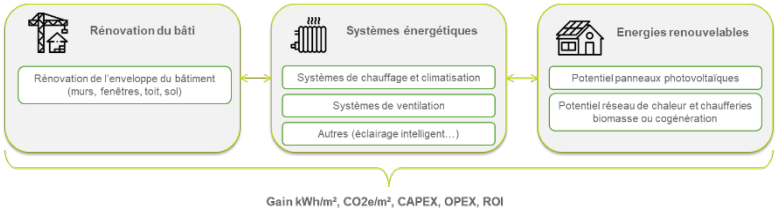
Club Med is the world's leading holiday resort, with 71 high-end destinations in 27 countries on five continents.
Our client is committed to sustainable development and has started to think about its overall strategy for reducing its carbon emissions.

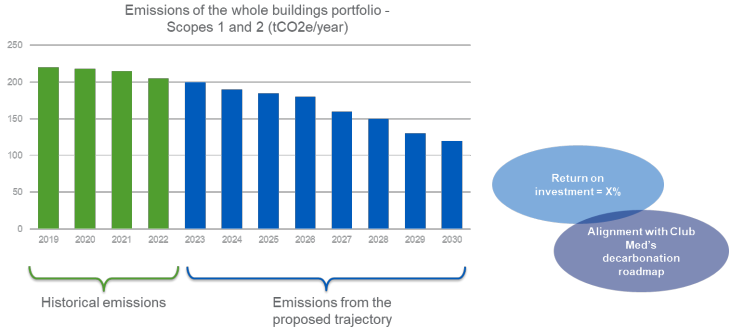
To go further, it will be assisted to develop scenarios to reduce its scope 1 and 2 emissions. The scenarios will be based on tangible and quantified elements such as energy savings, avoided CO2e emissions, return on investment (CAPEX and OPEX) and will be implemented in all of its worldwide resorts.

Deliverables

To support Club Med in its decarbonisation process, Urbanomy:

- Provides a consolidated view of the global portfolio and its energy performance
- Determines the levers that can be used to reduce emissions and prioritises them according to their potential and ease of implementation, considering Club Med's business model
- Break down the levers into an operational action plan specifying the annual budget (CAPEX and OPEX) and the return on investment
- Develops a tool (dashboard for decision-makers) to monitor the action plan put in place





71 Sites **27** Countries **5** Continents

urbanomy EDF GROUP

February 24

Prospective assessment of $CO2_e$ emissions

Client: **Enedis, French DNO**

Challenge

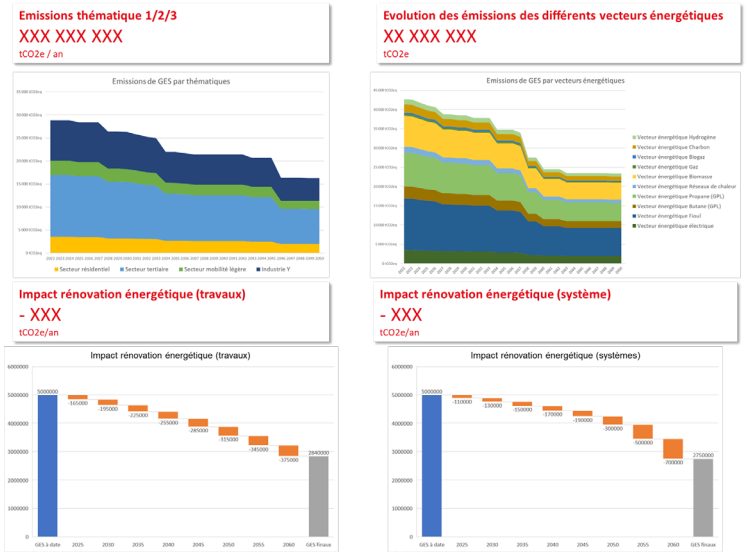
Enedis is an important player in the ecological transition and its role is set to become increasingly important with the electrification of uses through its activities as an electricity distribution network operator

Enedis is carrying out prospective work on the electrification of sectors of the French economy in order to better understand the local effects of the ecological transition and the required changes to the distribution network.

Deliverables

In order to assess the $CO2_e$ emissions associated with Enedis' prospective scenarios, Urbanomy:

- Defines a method for evaluating $CO2_e$ emissions that takes into account the $CO2_e$ emissions of energy carriers as well as the embedded carbon of associated systems
- Builds an evaluation model to convert the energy data provided by Enedis into carbon emissions
- Establishes prospective emission factors based on the evolution of the energy mix and the prospects of decarbonization of economic sectors



Carbon footprint of Multitechnical Services

Client : Dalkia

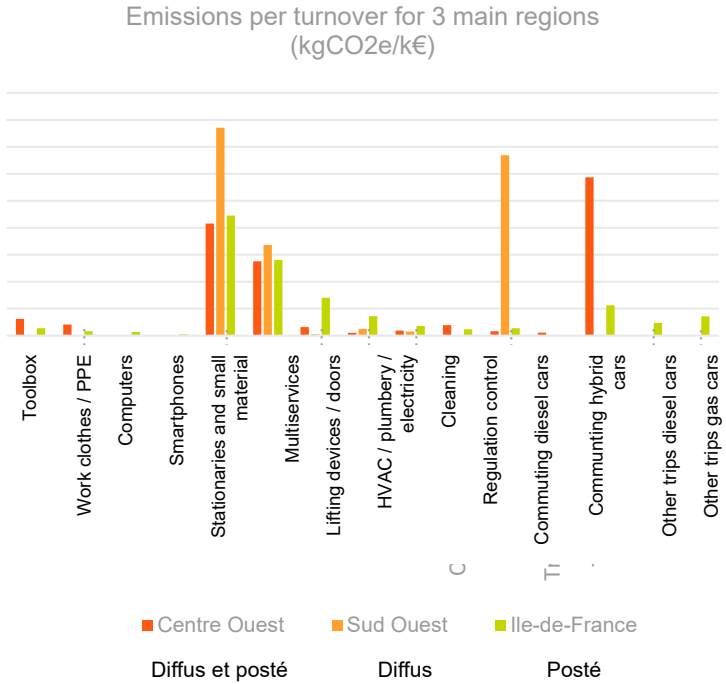
Challenge

Dalkia, as a major player in energy services in France and internationally, was asked by one of its multi-site customers to declare the emissions of their multi-technical services for this customer, as well as the actions to reduce them.
The issues at stake :

- Validate the assumptions on the emission items to be accounted for and the emission factors to be used
- Use relevant ratios to fill in the missing data
- Provide a breakdown according to two categories of services: posted and diffuse

Deliverables

By applying a carbon footprint accounting methodology scopes 1-2-3, and compiling Dalkia's activity data over 6 regions, we have provided an aggregated view of the emissions of multi-technical services, which can be transmitted directly to Dalkia's customer to meet their needs.



4 Main emission items

6 Regions of activity analysed

Carbon Footprint analysis and decarbonation action plan

Client : Metroscope

Challenge

Metroscope offers an impactful solution to they customer. The company wishes to commit itself to a decarbonization approach and to work on its strategy in this area.

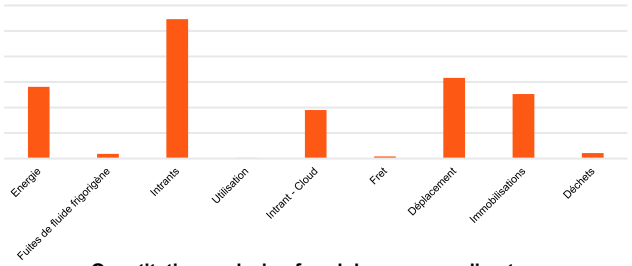
To lay the foundations of its decarbonization strategy, Metroscope is looking to carry out its Carbon Footprint Assessment and have the most accurate estimation of its footprint (scopes 1, 2 and 3) and of the main emission items. Once the Carbon Footprint is completed, Metroscope also wants to be supported in the establishment of its decarbonization roadmap and the definition of the associated action plan to take concrete actions. The goal is to eventually be able to communicate on the approach and the results both internally to strengthen the commitment of its employees and externally to strengthen its image.

Deliverables

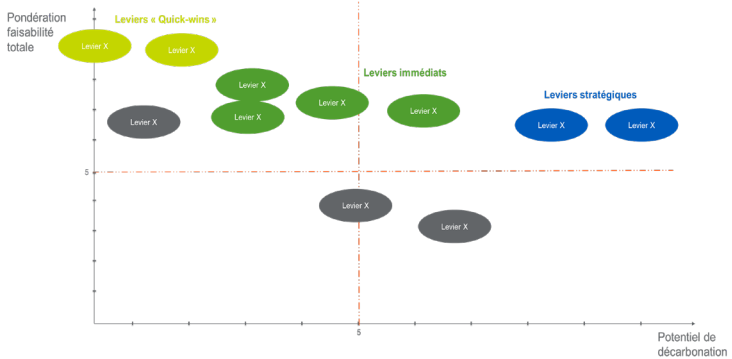
In order to support Metroscope in its decarbonization process, Urbanomy :

- Analyses the Carbon Footprint of all the activities within Metroscope's perimeter and on all the territories (FR, US, DE) on scopes 1,2,3.
- Defines actionable levers to reduce their emissions, prioritizes them according to their potential and ease of implementation, taking into account the specificities of their business model.

GHG emissions breakdown in tCO2e



Quantitative analysis of each levers according to operationnal feasibility and decarbonation potential



Climate strategies

Develop climate action plans across multiple sectors for businesses, local authorities and public bodies to achieve their net zero commitments.

Typical clients

- Businesses (Industrial & Commercial)
- Local authorities
- Public bodies (e.g. NHS Trusts, Gov departments, …)

Services

- CSR Strategies for businesses
- Carbon assessment of councils and public bodies (Scopes 1, 2, and 3)
- Multi-sector decarbonisation strategy and action planning (What? When? How much?)
- Climate Action Plan development
- Fleet decarbonisation
- Certifications and alignment with regulation (SBTi, Taxonomy,…)

Feasibility study for large scale deployment of heat pumps

Client: UK Department for Business, Energy & Industrial Strategy (BEIS)

Department for Energy Security & Net Zero

EDF (R&D UK) EDF (EDF Customers) urbanomy KensaHeatPumps Devon County Council The University Of Sheffield.

Challenge

In collaboration with EDF UK R&D Centre (lead), and Customers, Kensa Heat Pumps, Devon County Council, The University of Sheffield, UCL, and Enzen Global Solutions, Urbanomy participates in the Heat Pump Ready Programme (HPRP), funded by the Department for Business, Energy and Industrial Strategy (BEIS). Through Project GAIA, we are proud to help Britain achieve Net Zero. The Heat Pump Ready Programme supports the development and demonstration of heat pump technologies, and solutions for optimised deployment of heat pumps. Project GAIA aims to address the upfront cost barriers of ground source heat pump installation and increase the accessibility to heat pump technology.

Figure 1: Buckland and Milber Buildings Selection

Deliverables

With Project GAIA, we aim to demonstrate the feasibility and innovation required to take a coordinated approach across the heat pump sector and achieve a high density deployment of heat pumps as as well as an enhanced consumer journey. We will focus on deploying heat pumps as part of an ambient shared loop array. This will lead to higher energy efficiencies and maintain consumer familiarity by following a similar business model to the existing gas network. In the project, Urbanomy will provide the following:

- Assessing and quantifying the energy consumption of 3 residential areas of 3,133 buildings
- Selecting the best zone for heat pump implementation
- Computing the potential flexibility using thermal storage alongside the heat pumps

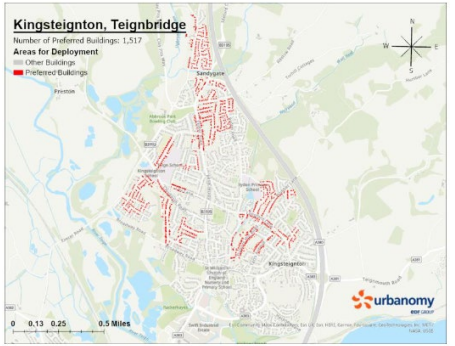


Figure 2: Kingsteignton Buildings Selection

Project GAIA, part of the Heat Pump Ready Programme, is funded by the Department for Business, Energy and Industrial Strategy (BEIS), through the Small Business Research Initiative (SBRI), funded from the £1 billion BEIS Net Zero Innovation Portfolio.

3 areas identified

3, 133 buildings potentially suitable for heat pumps

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Climate plan assessment over 65 local authorities

Client: French regional planning authority SMOYS

Challenge

Our client required a territorial pre-diagnosis allowing to define carbon neutral guidelines, prior to the definition of a 2050 strategy.

The objective of this project was to establish a diagnosis of the territory in terms of energy, mobility, attractivity, community, to identify major features, trends and potential regarding to Net Zero Carbon.

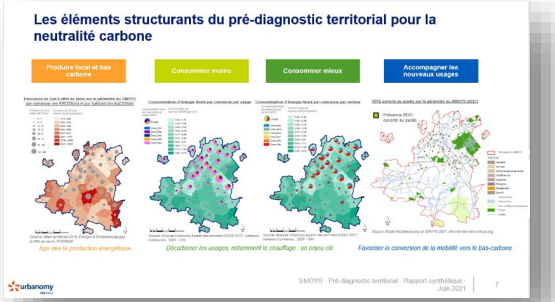
Deliverables

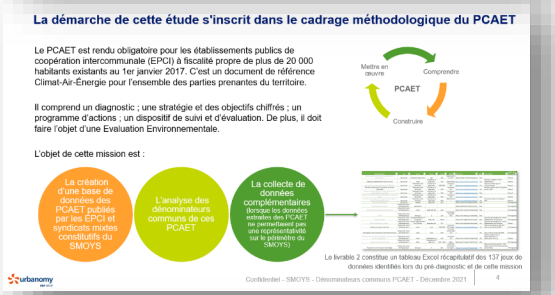
We analysed 65 municipalities and 137 datasets and 153 relevant regulations or initiatives.
We developed an Inventory and analysis of energy, mobility, environment, quality of life, attractivity, and local community engagement. The final results of the first phase of this study consisted of a detailed cartography report on the current situation of the territory, its evolution and dynamics, and the key stakeholders. Additionally, we developed an awareness-raising guide to ease appropriation by politics and engagement towards Net Zero Carbon.

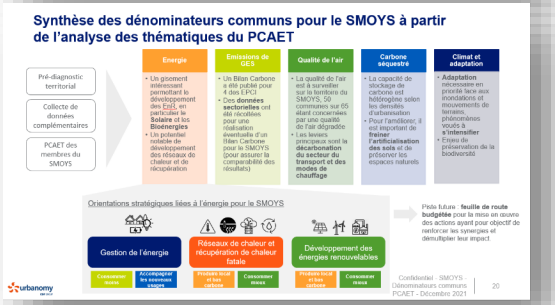
65 municipalities

5 data analysis focus areas (including energy, mobility, environment, quality of life, attractivity, and local community engagement)

1 detailed mapping report







Support for the updating of the Climate Strategy

Client: CSR department of Enedis, major French Distribution Network Operator

Challenge

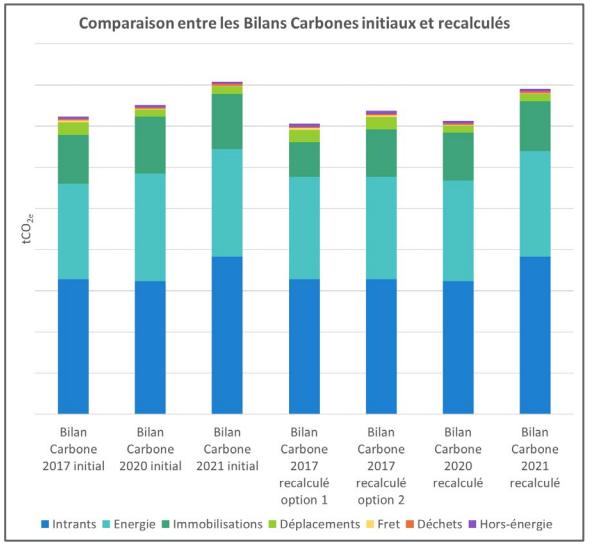
Enedis has a Low Carbon Strategy, created in 2020, based on its 2017 carbon footprint exercise. This strategy plans to cut carbon emissions by 20% by 2025 and to implement carbon offsetting by 2030.

The framework in which the pathway was originally defined (SDA 2°C and AEC<2°C) has evolved over time. The benchmark target is now 1.5°C with carbon pathway scenarios based on energy mix assumptions that have evolved.

Deliverables

To support our client in his Low Carbon Strategy, Urbanomy:

- Realised an update of the Enedis Low Carbon Strategy for GHG reduction, through an update of the 2017 Carbon Footprint and the Decarbonisation Roadmap, decarbonisation tools and action plan.
- Defined the methodology and evaluation of avoided GHG emissions, especially by integrating them into the Low Carbon Strategy.
- Carried out a scoping exercise for the GHG Offset Strategy by providing scenarios on offsetting including a financial analysis and robust communication elements.
- Updated the decarbonisation strategy and qualifies the deviations from the path defined in the Low Carbon Strategy 2025 and recommends adjustments if necessary



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Carbon assessment for manufacturing start-ups

Client: EIT Manufacturing

Challenge

The European Institute of Innovation and Technology (EIT) supports the launch, development and growth of new products, services, processes, and integrated solutions to face the future challenges of manufacturing.

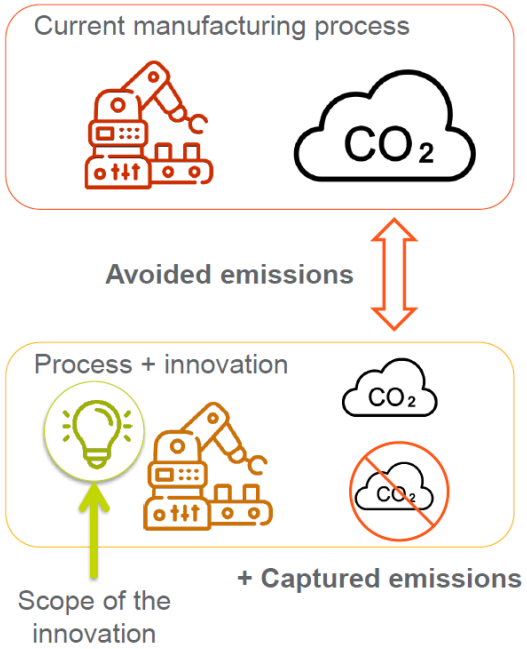
EIT engaged Urbanomy to develop a carbon and sustainability assessment methodology for technology start-ups. The assessment covers the following areas:

- Sustainability aims and impact
- Environmental sustainability
- Social sustainability

EIT needed a tool based on a questionnaire which would allow avoided and removed carbon emissions to be quantified.

Deliverables

- Questionnaire to collect relevant information about avoided/ captured carbon emissions
- Tools and training to calculate avoided and captured carbon, and identify highest impact start-ups
- A reporting methodology and template for start-ups to report progress against pre-set targets
- Monitoring and review of the methodology



Carbon and environmental assessment of V2G

Client: **UK Department for Business, Energy & Industrial Strategy (BEIS)**

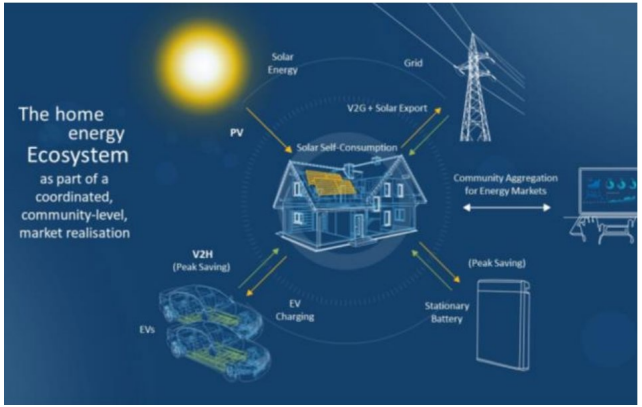
Department for Energy Security & Net Zero

Challenge

An innovative project exploring the role for bi-directional charging of electric vehicles is being undertaken by a collaborative team as part of the Innovate-UK managed V2X Innovation Programme. Funded by the Net Zero Innovation Portfolio (NZIP) through the UK Department for Business, Energy and Industrial Strategy (BEIS) and led by British smart-tech company SMPnet, the 'VEhiCle TO eneRgy communitieS' (VECTORS) project brings together world class partners EDF Energy R&D Centre, Loughborough University, Oxfordshire County Council, Urbanomy UK and dcbel. Project partners will use their expertise to propose cost-effective alternatives to contribute to the UK's zeroemission target through the potential offered by Electric Vehicles (EVs).

The year-long project which began in September 2022 is part of the V2X Innovation Programme, funded by the UK Department for Business, Energy and Industrial Strategy (BEIS) and delivered by Innovate-UK. V2X is part of the up to £65m Flexibility Innovation Programme, funded from the £1 billion BEIS Net Zero Innovation Portfolio.

Urbanomy is conducting an environmental analysis to assess the benefits of V2X services in terms of carbon emissions and contribution to the road to net zero.



Deliverables

Through our analysis, we provide an environmental report on the carbon emissions of the V2X solution, listing and quantifying the benefit of this technology to the overall system and how it can contribute to the UK's Net Zero ambition.

CSR path for the 2024-2026 medium-term plan, based on 3 key dimensions: low carbon, biodiversity, artificialisation

Client : Citallios, urban planner in the Île-de-France region

Challenge

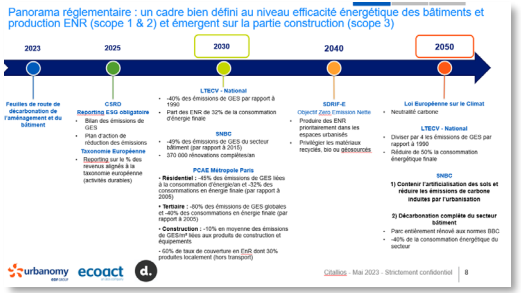
Our client is committed to a CSR approach and has cited as its *raison d'être*, or long-term company purpose, its aim to transform cities and territories in a sustainable manner.

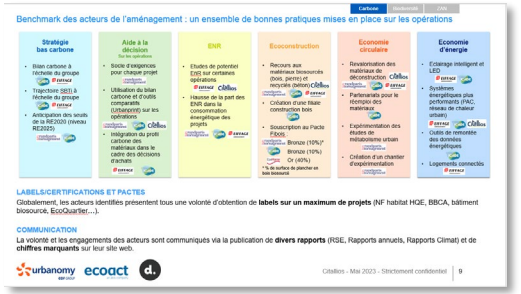
As part of its medium-term plan for 2024-2026, Citallios wishes to adopt a forward-looking approach to extra-financial issues, affirming a CSR trajectory with quantified objectives based on 3 key dimensions of its business (Low Carbon, Soil Artificialisation, Biodiversity).

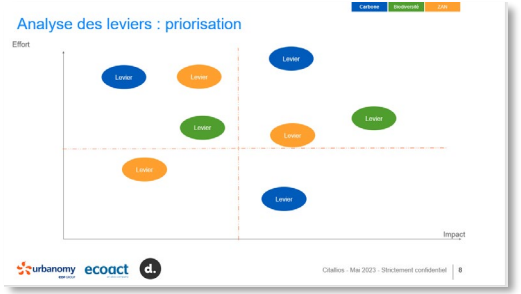
Deliverables

In partnership with the consulting firms EcoAct and dixit.net for their expertise on biodiversity and soil artificialization, we:

- Identified the regulatory goals set at national&regional levels regarding the group's activities
- Carried out a benchmark of best practices and the levers put in place by Citallios' competitors
- Conducted an inventory, following a workshop and a seminar with internal stakeholders, in order to assess actual practices and define realistic ambitions
- Defined a low carbon trajectory for 2024-2026 following the identification of ambitious and realistic levers and their potential impacts







3 Main items: low carbon, biodiversity, Net Zero Artificialisation

xxx

Assistance in defining the energy strategy for a tourist facility

Client : A major player in the tourism industry in France

Challenge

Our client had already undertaken various projects on its site, which combines touristic attractions, hotels and offices.

In a context of climate regulation reinforcement, particularly regarding energy consumption (French "Tertiary Decree", French Environmental Regulation "RE 2020"...), it wished to equip itself with an energy strategy adapted to its specific context. The strategy had to integrate both the energy and carbon viewpoints, but also focus strongly on customer acceptability which is central to its business model.

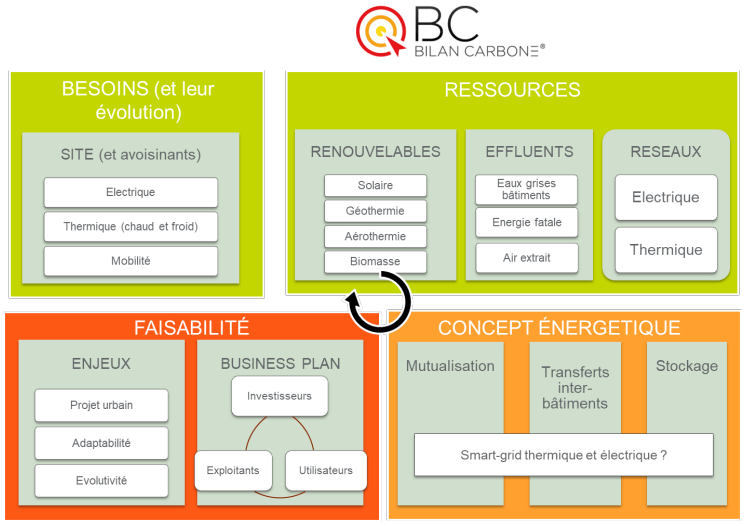
Deliverables

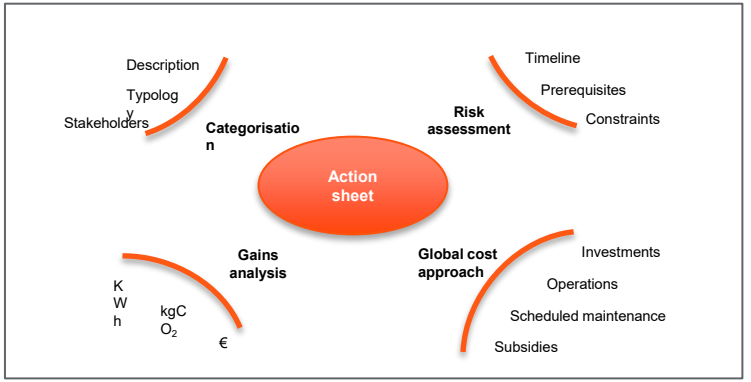
Starting with the updating of the Carbon Footprint Analysis for the site and an analysis of the projects already implemented, we extracted the basis to create the long-term strategy.

Step #2 consisted in defining detailed action sheets integrating a big-picture view which were then completed for each action applicable to the site.

This portfolio of actions is then consolidated into different strategic scenarios, co-created with the client, to reach the objectives set for 2030, 2040 and 2050.

Lastly, Urbanomy provided all the structuring documents necessary to implement the strategy: timeline, dashboard and reporting indicators.





Thank you.

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