



Startup Portfolio

2024

EDF PULSE incubation

EDF PULSE INCUBATION is the EDF Group's intrapreneurship programme.

It was created to develop new businesses and accelerate the energy transition, and has enabled the launch of new subsidiaries within the EDF Group.

With EDF Pulse Incubation, the Group invests in those who have the courage to commit themselves to shaping the world of tomorrow.

EDF PULSE ventures

EDF PULSE VENTURES is the EDF Group's corporate venture capital arm.

As a financial and strategic partner of start-ups, its mission is to identify new activities and innovative solutions developed by start-ups, to invest in them and work together to build a carbon neutral future.

With EDF Pulse Ventures, the Group is linking up with the innovation ecosystem to step up the pace in the race against climate change.

Helping customers
**reduce their
carbon footprint**





BEZERO is a **carbon offsets rating agency**. It assesses the quality of carbon credits completely independently using strict, scientific criteria, and publicly communicates its ratings to ensure transparency in the carbon credit market.

BeZero also provides carbon credit risk management tools. In particular, BeZero offers an ex-ante credit quality assessment system.

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Status

Investment by EDF Pulse
Ventures: 2022
Founded: 2020
Employees: < 150

Markets

Companies, carbon buyers and sellers, climate platforms, project developers

Locations

Europe, USA, Asia
Offices in London and New-York

They trust them

Equinor, Total, Engie, EDF Trading, SouthPole, Watershed, Cloverly, Xpansiv, RWE, Petrobras, Vitol, Salesforce...



CARBON8 specialises in **CO2 sequestration based on the recovery of industrial waste**. The British start-up enables the recovery of certain dusts and ashes, and transforms them through the carbonation process into aggregates that can be used in the construction sector.

This solution enables manufacturers to reduce their CO2 emissions while better managing their waste to achieve their zero landfill target. The aggregates produced by the process are intended to be used in a circular economy approach in construction, particularly for sustainable housing.

Status

Investment by EDF Pulse
Ventures: 2022
Founded: 2006
Employees: < 20

Markets

Industrial, in particular cement
and paper mills

Locations

Europe, USA, Asia

Offices in Nottingham

They trust them

VICAT, FLSmith, CRH, Cemex,
AVR, Mannok, Cory Group,
Mineralz, Veolia...

ENERBRAIN is developing a **digital solution for optimising energy efficiency and indoor air quality** in commercial buildings. Using wireless sensors (IoT), it measures energy consumption in real time and remotely controls the heating, ventilation and air conditioning systems. The solution can also control temperature, humidity and CO2 levels. The information collected is processed by a "learning" algorithm (AI) developed by Enerbrain to optimise consumption in real time.

ENERBRAIN's offering includes:

- Temperature, humidity and CO2 measurement,
- Remote control of installations,
- Optimization through AI.

Status

Investment by EDF Pulse
Ventures: 2021
Founded: 2015
Employees: < 50

Markets

Tertiary buildings, schools,
shopping centres

Locations

Europe, UAE

Offices in Turin

They trust them

Edison, Hôpital Sainte-Anne,
Dalkia...

EXAION develops high-performance, innovative and sovereign **digital services**. In line with the Group's *raison d'être*, it supports companies in their digital transformation with a responsible and sustainable approach.

It offers 3 services:

- Exaion Node, for secure and simplified access to blockchain nodes on several protocols;
- Exaion Studio, for hosting virtual work environments for creative professionals and industry;
- Exaion Compute, for decentralised hosting of computing power, HPC and quantum computing.

Status

EDF subsidiary
A product of EDF Pulse
Incubation
Founded: 2020
Employees: > 60

Markets

Large companies, VSEs, SMEs,
start-ups, research centres,
universities

Locations

Europe, North America

Offices in Paris, Lyon, Montreal
and San Francisco

They trust them

EDF, Crédit Agricole CIB, Ora-ïto,
Digital District, Société Générale -
FORGE, CEA, Groupe Casino,
BNP Paribas, Framatome, Meria,
Heverett, Lexistems

HYNAMICS produces and markets low-carbon hydrogen produced from water electrolysis, a technology that does not emit CO2 when the electricity is itself generated by decarbonised production methods.

As part of a partnership approach, HYNAMICS supports the customer throughout the value chain with a turnkey solution:

- Project design,
- Financing/investment in infrastructure,
- Construction,
- Operation & maintenance.

Status

EDF subsidiary
A product of EDF Pulse
Incubation
Founded: 2019
Employees: < 100

Markets

Industry (refineries, chemicals, metallurgy, etc.), public and professional heavy mobility (trucks, river transport, trains, buses, etc.)

Locations

Europe, United States, Asia

Offices in Paris and Berlin

They trust them

The Auxerre agglomeration,
Heide, Interreg...

MCPHY is a designer, manufacturer and installer of equipment for hydrogen production (electrolysers).

Its activities:

- Supply of industrial materials,
- Recharging of fuel cell electric vehicles,
- Storage and recovery of surplus electricity from renewable sources.

Status

Investment by EDF Pulse
Ventures: 2018
Founded: 2008
Employees: < 200

Markets

Industry, energy and mobility
sectors

Locations

Europe

Offices in La Motte-Fanjas
(France)

They trust them

Audi, Continental, Engie, Grdf,
Total, Hynamics...



MONKEY FACTORY is a **provider of MaaS (Mobility As A Service) solutions**. It designed **MyBus**, France's leading mobile application (in terms of territorial coverage) providing easy access to public transport, soft mobility (bicycles, scooters, etc.) and/or shared transport. This platform is also distributed on a white label basis to local authorities via the **MaaSify** application.

The two platforms provide:

- Real-time passenger information,
- Route calculation,
- Purchase, validation and reservation of multimodal journeys.

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www.mybus.io

Status

Investment by EDF Pulse
Ventures 2019
Founded: 2016
Employees: < 50

Markets

Local authorities (cities, metropolitan areas, departments and regions), transport networks, users

Locations

France
Offices in Puy-en-Velay (France)

They trust them

Epinal, Mulhouse Alsace Agglomération...



NEOT develops **financing solutions** via investment platforms. In particular, the company finances zero-emission mobility solutions for clean, quiet cities via its NEoT Green Mobility vehicle.

The offering includes asset financing, project management and end-of-life recycling or reuse.

Status

Investment by EDF Pulse
Ventures 2017
Founded: 2016
Employees: < 20

Markets

Local authorities, industrial
companies, transport operators
and start-ups

Locations

Europe, Africa, Latin America

Offices in Paris

They trust them

RedBus, RATP Dev, FirstBus,
Transdev, Izivia, Chronopost...

OKLIMA is the EDF Group's subsidiary dedicated to **carbon contribution**. Oklima develops carbon sequestration and greenhouse gas emissions reductions projects (reforestation, agricultural land management...).

In France, these projects are certified by the "Low Carbon Label". Oklima also offers carbon credits from projects outside France, certified by international labels.

Oklima offers its customers the opportunity to finance these projects as part of their decarbonation strategy.

Status

EDF subsidiary
A product of EDF Pulse Incubation
Founded: 2023
Employees : < 10

Markets

Companies of all sizes
Willing to offset their emissions
-
Farmers and forestry partners,

Locations

France

Offices in Paris

They trust them

EDF, Enedis, VivaTech, Sezane,
United B, Mediatransport ...

PERFESCO offers a solution that enables industrial companies to reduce their carbon footprint and energy consumption. To this end, the start-up **finances the energy efficiency projects** of its customers, who thus do not have to finance anything. PERFESCO is then reimbursed from the energy savings achieved and measured.

PERFESCO carries out an audit of the sites and identifies the energy saving areas. The company then finances and carries out the work involved.

PERFESCO works on several areas of expertise: lighting, electric motors and furnace heating. In addition, the start-up finances specific projects in some cases.

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Status

A product of EDF Pulse
Incubation
Investment by EDF Pulse
Ventures 2014
Founded: 2014
Employees: < 30

Markets

Major industrial customers and
large tertiary buildings

Locations

France

Offices in Paris

They trust them

General Electric, Air France,
Toyota, SKF...



PERSEFONI offers a platform that allows companies and institutional investors to **measure, analyse, plan, anticipate and make public their carbon footprint**. Its solution complies with the methods of the Greenhouse Gas Protocol (GHG) and the Partnership for Low Carbon Financial Accounting (PICAF).

Persefoni covers the various emission scopes, including scope 3, by recovering emissions from suppliers, whatever their maturity on the subject. The platform also enables users to manage ESG reporting (CSRD, CDP, etc.).

Finally, a freemium version of the platform is available, with an interface designed for non-expert users, making the product accessible free of charge to SMEs

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Status

Investment by EDF Pulse
Ventures 2021
Founded: 2020
Employees: < 200

Markets

Financial institutions, companies
of all sizes

Locations

Europe, United States, Asia

Offices in Tempe (USA),
London (UK) and Tokyo (JP)

They trust them

Bain & Company, SMBC, Workato,
Douglas Elliman, CGI, Apollo,
Xerox, TPG, Hitachi, CITI...



URBANOMY is a Group's subsidiary specialising in **energy and climate strategy consulting**. In concrete terms, the company offers its clients the opportunity to develop ambitious decarbonisation strategies with concrete action plans to help them reduce their greenhouse gas emissions as much as possible. It also provides energy masterplanning for local developments and building portfolio.

The company is involved in all aspects of decarbonisation:

- upstream: raw materials, their environmental impact, transport, etc.
- production processes and energy efficiency: consuming less
- and better downstream: distribution, transport, waste management, etc.

Status

EDF subsidiary
A product of EDF Pulse
Incubation
Founded: 2020
Employees: < 20

Markets

Local authorities, large groups,
ETIs, tertiary, industry

Locations

Europe, international

Offices in Paris and London

They trust them

Caisse des dépôts, Vivatech,
SMOYS, Pierre&Vacances,
Oxfordshire County Council,
Club Med, Poste Immo,
Urban&Civic, BEIS...

Producing
**low-carbon
electricity**

EKOSCAN INTEGRITY is a French company specialized in industrial equipment inspection using innovative techniques of **non destructive testing by ultrasound** that they design and produce.

Status

Investment by EDF Pulse
Ventures: 2022
Founded: 2010
Employees: < 50

Markets

Industries specializing in energy,
chemistry, infrastructure,
aeronautics and transport

Locations

Europe, USA, Canada, Middle
East, Asia

Offices in Saint Rémy & Crécy La
Chapelle (France), Canada
and USA

They trust them

CEA, SNCF, Airbus, Air Liquide,
Schlumberger, EDF...

METROSCOPE provides **SaaS software capable of reliably and automatically diagnosing anomalies on an industrial process**. This enables it to optimise the maintenance of installations, improve the operational performance of the business and its environmental footprint.

Its offering is based on:

- The creation of a digital model of the thermodynamic process to reveal anomalies in installations in real time,
- The use of artificial intelligence (AI) to diagnose the causes of anomalies and rank them in order of importance.

Status

EDF subsidiary
A product of EDF Pulse
Incubation
Founded: 2018
Employees: < 50

Markets

Nuclear and thermal energy plants, industrial heat/cold production, diesel engines, data centres

Locations

Europe, United States

Offices in Paris, Berlin and Washington

They trust them

Microsoft, French nuclear fleet, Electrabel...



SPOTR has developed a **B2B SaaS platform for automated building inspection**: measurements of roofs, façades, windows, identification of damage, characteristics and energy efficiency data.

The start-up collects and aggregates data of various types (satellite imagery, aeroplanes, 3D models, text) and from many sources (open data, private, local). It uses artificial intelligence and machine learning models to deliver a precise analysis of buildings to its customers.

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www.spotr.ai

Status

Investment by EDF Pulse
Ventures: 2023
Founded: 2015, pivoted in 2021
Employees: < 20

Markets

Insurance, energy companies,
housing associations, banks

Locations

Europe

Headquarters in The Hague
(Netherlands)

They trust them

Woonplus Schiedam, de Alliantie,
Brabant Wonen, Kleurrijk Wonen,
Trivire





SWEETCH ENERGY is building a carbon-neutral future by harnessing a natural and widely available resource, particularly in estuaries: **osmotic energy**.

SWEETCH ENERGY uses the salinity difference between salt water and fresh water to create energy.

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Status

Investment by EDF Pulse
Ventures: 2023
Founded: 2015
Employees: < 50

Markets

Local authorities, companies,
energy suppliers...

Locations

France
Headquarters in Rennes (France)

They trust them

CNR, EDF Hydro, Demeter, Crédit
Mutuel



Adapting
to a constantly
changing world



CHEMDOC WATER TECHNOLOGIES is a French SME that **designs and assembles containerized systems for the filtration, purification and demineralization of water** from surface water and wastewater recycling.

With its membrane filtration modules, the company is able to supply water of different qualities: demined, ultrapure, process and ingredient.

The solution is mainly used by energy, food and pharmaceutical manufacturers, as well as by local authorities, to reduce their withdrawals from surface water reserves (aquifers and rivers).

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Status

Investment by EDF Pulse
Ventures: 2024
Founded: 1998
Employees: >30

Markets

Industries and local authorities

Locations

France
Offices in Clermont L'Hérault

They trust them

Eau de Paris, Engie, Equiom,
KemOne, McCain, Michelin, Nestlé
Waters, Orano, Suez, Veolia...



TEEPTRAK offers a solution for **monitoring industrial performance in real time**, enabling the acquisition of data relating to the performance of production resources (rate of production, operating time and downtime, TRS) and to analyse them in order to improve their productivity and output. Its highly competitive plug&play solution is compatible with all types of machines.

Its service includes:

- Data capture module,
- Control tablet,
- Web supervision and monitoring platform (sold as an Saas subscription).

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www.teeptrak.com

Status

Investment by EDF Pulse
Ventures: 2020
Founded: 2014
Employees: < 30

Markets

Companies of all sizes (SME, mid-caps, large groups)

Locations

Europe, United States, Asia

Offices in Paris

They trust them

PSA, Hutchinson, Savencia, Electrolux, Alstom...



YXIR offers an artificial intelligence solution to improve the quality of industrial products and services by accelerating the processing and analysis of non-conformities.

Yxir's solution is based on 4 pillars:

- Smart troubleshooting
- Tracking trends and recurrences
- Multi-correlation analysis
- Automating KPIs

Status

EDF subsidiary
A product of EDF Pulse
Incubation
Founded: 2022
Employees: < 20

Markets

Manufacturing

Locations

Europe

Offices in Paris

They trust them

Bernard Controls, Lisi Aerospace,
EDF...

ARCHIPELS certifies documents, data and information about individuals or companies on the **blockchain** to verify their authenticity. It is developing the standard for decentralised, secure and verified identity in compliance with European standards.

It offers 3 services:

- Document verification,
- Document security,
- Document certification.

Status

Investment by EDF Pulse
Ventures: 2020
Founded: 2020
Employees: < 10

Markets

Banks, insurance companies,
mutuals, public authorities

Locations

Europe

Offices in Paris

They trust them

Docaposte, Vialink, Itesoft...

SECURKEYS offers two types of service:

- **Securkeys:** a secure and anonymous service for the **safekeeping and delivery of duplicate keys** anywhere in France within an hour,
- **Securclés:** a secure digital service for **reproducing keys and badges** from a photo, for a fee of between €10 and €40 per key depending on the model.

Status

Investment by EDF Pulse
Ventures: 2020
Founded: 2017
Employees: < 10

Markets

B2C, insurance companies,
mutuals, real estate, automotive,
etc.

Locations

France

Offices in Rouen and Paris

They trust them

Castorama, tobacconists, EDF,
MAIF, Matmut, Bouygues...



ZENPARK is a leader in “**Parking as a Service**”. Its platform offers motorists and motorcyclists a practical and economical hourly and monthly parking service, allowing them to park in private parking spaces left vacant (hotels, office buildings, etc.).

Zenpark enables:

- Reservation of a parking space,
- Secure access to car parks,
- Deployment of new services in parking spaces (e.g. recharging of electric vehicles).

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Status

Investment by EDF Pulse
Ventures: 2018
Founded: 2011
Employees: < 50

Markets

Local authorities, urban planners
and developers of large real
estate projects

Locations

France, Belgium

Offices in Paris

They trust them

RATP, INDIGO...

