EDF

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.

eDF

Helping customers
**reduce their
carbon footprint**

eDF

BeZero

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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www.bezerocarbon.com

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…

EDF

carbon8
a circular impact company

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.

pauld@carbon8.co.uk
www.c8s.co.uk

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…

eDF

enerbrain®
For an intelligent use of energy

ERNERBRAIN 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 CO_2 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 CO_2 measurement,
- Remote control of installations,
- Optimization through AI.

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www.enerbrain.com

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…

eDF

EXAION is 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.

contact@exaion.com
www.exaion.edf.fr

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
GROUPE eDF

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.

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www.hynamics.com

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...

eDF

![McPhy logo - Driving clean energy forward]

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.

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www.mcphy.com

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…

EDF

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.

fpacotte@monkeyfactory.fr
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.

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www.neotcapital.com

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.

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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

VOTRE DÉCARBONATION, **DU FINANCEMENT À L'ACTION**

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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x

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…

eDF

PERSEFONI

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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www.persefoni.com

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…

eDF

urbanomy
GROUPE eDF

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 betterdownstream: distribution, transport, waste management, etc.

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www.urbanomy.io

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…
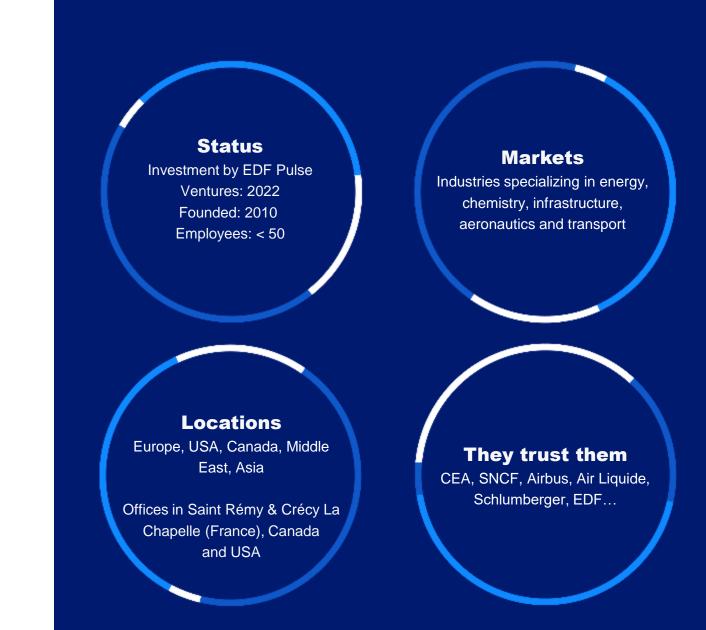
eDF

Producing
**low-carbon
electricity**

EDF

ekoscan INTEGRITY

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.

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www.ekoscanintegrity.com

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…

eDF

metroscope

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.

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www.metroscope.tech

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...

EDF

SPOTR

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

eDF

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.

nh@sweetch.energy
www.sweetch.energy

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

EDF

Adapting
to a constantly
changing world

eDF

NatureMetrics is a start-up specializing in biodiversity monitoring using environmental DNA (eDNA) technology. NatureMetrics uses DNA traces left by organisms in water, soil and air to identify the species present in a given area.
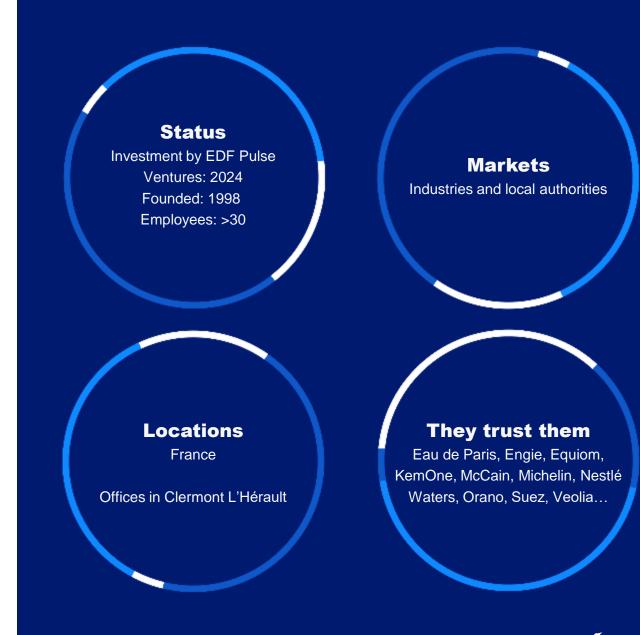
dimple.patel@naturemetrics.co.uk
www.naturemetrics.com

Status
Investment by EDF Pulse
Ventures: 2024
Created in 2014
Employees: 114

Markets
Infrastructures and transport
Renewable energies
Consommer goods
Traditionnal energies

Locations
Europe, North and South
America, Asia, Africa, Oceania

Offices in United Kingdom

They trust them
EDF Renewable, WWF, Forestry
England, Deutsche Bank, Tesco…

CHEMDOC Water Technologies

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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www.chemdocwater.com

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…

eDF

teeptrak

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).
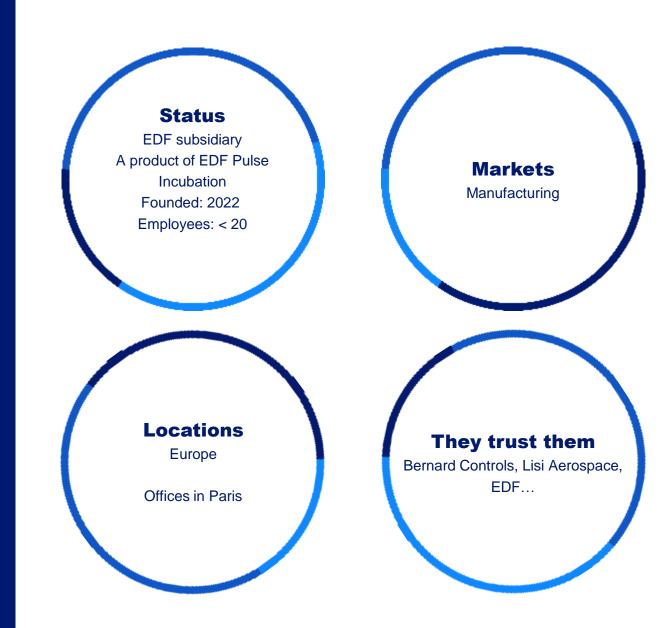
fc@teeptrak.com
www.teeptrak.com

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…

eDF

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

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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

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.

herve@achipels.io
www.archipels.io

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…

eDF

securkeys

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.

pmetivier@securkeys.com
www.securkeys.com

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...

eDF

zenpark

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…

EDF