

New Ventures
RESEARCH & INNOVATION

ENGIE NEW VENTURES

External presentation

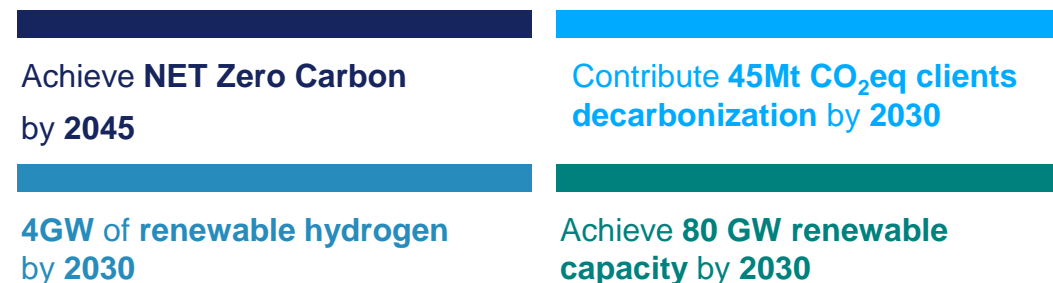


Our purpose: leading the energy transition

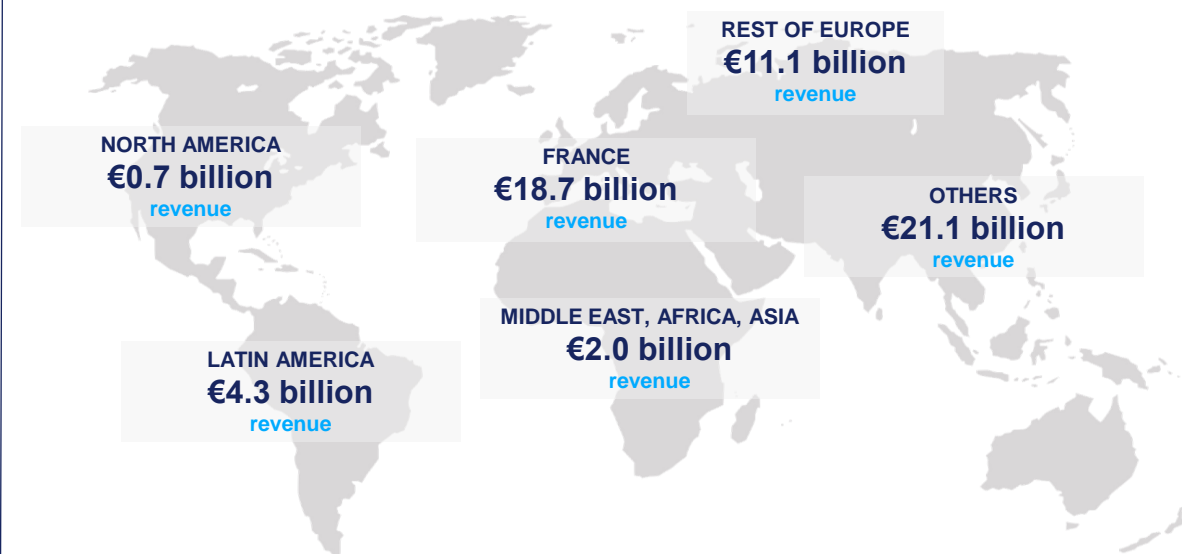
4 Global Business Units



Ambitious decarbonization targets



2021 figures



102,000
employees

57.9 B€
revenues

138 M€
spent on R&D

3 GW
extra installed renewables capacity

100 GW
installed power generation capacity

ENGIE Ventures at a glance

New Ventures
RESEARCH & INNOVATION

€1-5M

Initial ticket size

10+

Team members

23

Active startups in portfolio*

+200M€

Invested since Inception

Fund structure

Separate
Legal entity

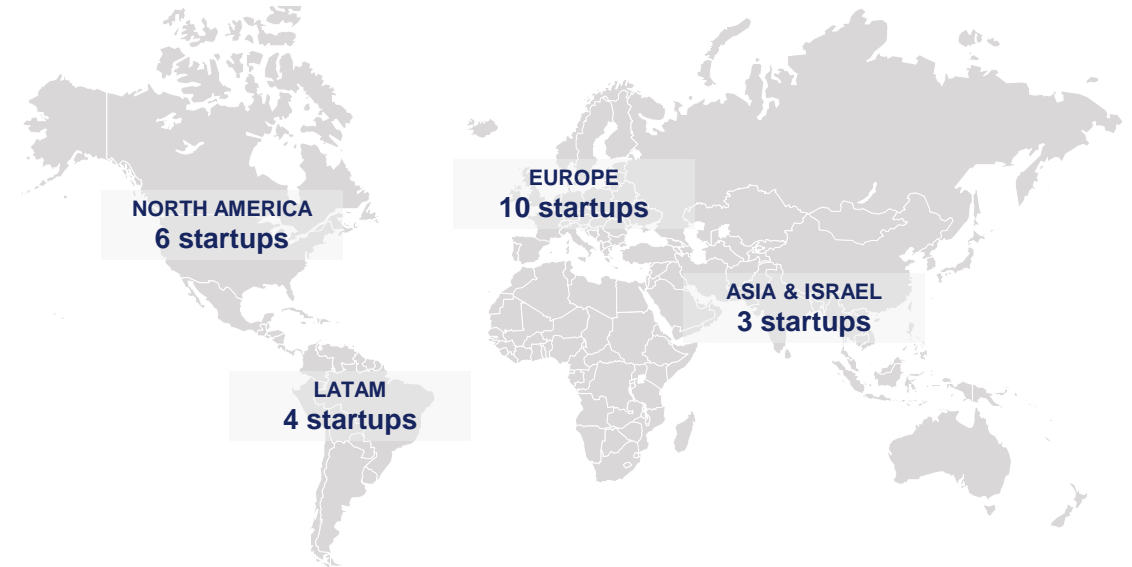
Dedicated
Investment committee

Open
Exit strategy

Own
Board of directors

Quarterly coordination with GBUs to ensure alignment

ENGIE Ventures presence



Our Focus & Value proposition

Main Investment Criteria

Pre-Series A & Series A startups

Strong industrial partnerships

Minority investment with board seat and observer seat

High growth expectations

Our Value Proposition



Access to R&D expertise
600+ researchers



Access to markets



Long term investor



Long term investor

Renewable Energy



- EMS to optimize flexibility and dispatchability of assets
- Technologies to optimize large scale solar bids and O&M
- Optimize offshore and onshore wind energy
- Agri-PV

Network



- Liquefaction technologies for bio & e-methane technologies
- 1G & 2G biomethane technologies
- Competitive e-methane production
- Gas usages (hybrid heat pump for collective and tertiary building)
- Methane pyrolysis

Thermal



- CCUS technologies
- Green fuels
- Hybridization of thermal generation – large scale storage solutions
- Water desalination technologies

Energy solutions



- DHC decarbonation solutions
- Data centres, industries and tertiary buildings decarbonation
- Low-carbon mobility (HRS, EV infrastructure)
- On-site utility generation
- Energy efficiency as a business model
- Competitive distributed PV and O&M

Low-Carbon H2



- Low Carbon H2 production (centralized & distributed)
- H2 transport & storage (large scale)

Energy Mgmt & Sales



- Access to Carbon Credits
- Low carbon gases
- Supply power 24/7

Supply



- Local energy communities
- Customer decarbonation (self consumption and flexibility)

EUROPE



Johann Boukhors
(Fund Manager)



Laurent Rambaud



Vincent Pichon



Carlos Chalbaud



Alfonso Sessa



Davide Romeo Nanni



Adama Cisse



NORTH AMERICA



Scott Pinizzotto



Sheeraz Haji

ISRAEL



Anne Baer

Current portfolio composed of 23 active investments

Current portfolio investments



Exited





Solar management platform

Location: Somerville, USA
Founded Year: 2015
Web site: <https://raptormaps.com/>



Raptor Maps

Developer of a lifecycle management platform designed to increase performance, reduce costs and standardize solar photovoltaic assets across a portfolio. The company's platform assists teams to convert drone and asset data into accurate, high-value system analytics.

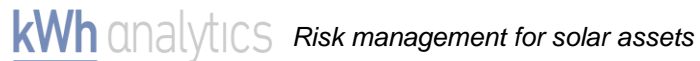


Location: Fos-sur-Mer, France
Founded Year: 2022
Web site: <https://gravithy.eu/>



GravitHy

GravitHy is a sustainable iron and steel company, with its first plant located in Fos-sur-Mer. GravitHy will address the growing demand for green iron and steel. It will support in easing emissions from the steel industry by generating and using green and low-carbon hydrogen to produce DRI

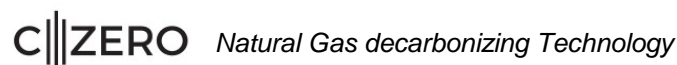


Location: San Francisco, USA
Founded Year: 2012
Web site: <https://www.kwhanalytics.com/>



kWh analytics

The company's platform helps solar investors to deploy more capital intelligently by providing data integration, analytics and performance benchmarking for their solar investments, enabling them to minimize risk and increase equity returns.

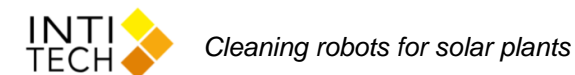


Location: Santa Barbara, USA
Founded Year: 2020
Web site: <https://www.czero.energy/>



C-ZERO

C-zero is developing an industrial scale and competitive, methane pyrolysis technology that splits methane into hydrogen (turquoise hydrogen) and solid carbon by moving it through a mixture of molten salts.



Location: Santiago, Chile
Founded Year: 2016
Web site: <https://www.inti-tech.com/>



Inti Tech

The company's technology maximizes the generation of solar panels in high radiation areas by dry smart cleaning in real plants through robots, enabling clients to generate energy easily and efficiently.



Location: Karlsruhe, DE
Founded Year: 2014
Web site: <https://ineratec.de/en/home>



Ineratec

INERATEC is a leading provider of innovative chemical reactor technologies for Power-to-X and Gas-to-Liquid solutions. Its technology allows the production of several products (e-fuels, syngas, e-chemicals) synthesized from low-carbon H2 and CO2.



Energy storage and heating management

Location: Grenoble, FR
Founded Year: 2020
Web site: [https:// www.lancey.fr/](https://www.lancey.fr/)



Lancey Energy Storage

Lancey's core product, The Lancey Capella, is a universal energy management solution composed of an electric radiator embedding a battery. The system, Plug & Play, uses electricity from the grid and from any local renewables.



Industrial facilities energy optimization

Location: North Carolina, USA
Founded Year: 2011
Web site: <https://ndustrial.io/>



Ndustrial

Ndustrial solution is comprised of Contxt, a scalable data management platform that serves as code data engine and insight, a data integration and insights application.



Cloud meter data management

Location: Houten, NL
Founded Year: 2012
Web site: <http://www.energyworx.com>



Energyworx

The company's platform leverages technology to ingest and manage huge volumes of smart meter data, IoT data, and data from any kind of data source and upon ingestion. The technology is enabling clients to accelerate the world's transition to clean energy.



Modular gas analyser

Location: Grenoble, France
Founded Year: 2014
Web site: <https://apixanalytics.com/>



Apix

APIX Analytics develops highly miniaturized multigas analyzers for traditional analytical chains: sampling, injection of gases, separation of complex gas mixtures. Apix's products enhance specificity, detection, identification and quantification of each mixture compound.



Field work management software

Location: Santiago, Chile
Founded Year: 2017
Web site: <https://tutenlabs.com/>



TutenLabs

The company's software digitize, optimize and standardize services, providing visibility and transparency, standardizes the work and gives traceability, enabling businesses to accelerate the reaction and response speed of the entire operational chain.



On-site hydrogen production

Location: Derio, Spain
Founded Year: 2019
Web site: <https://www.h2site.eu/fr/>



H2Site

H2Site's mission is to produce the most cost efficient, on site, renewable H2 for industry and mobility using feedstock versatile membrane reactors, enabling clients to have a on-site technology for production, transportation and storage of hydrogen.

gogoro *Electric scooters and battery swapping*

Location: Taoyuan, TW
Founded Year: 2011
Web site: <https://www.gogoro.com/>



Gogoro

The company offers electric scooters that utilize rechargeable smart batteries, along with a dedicated application that shows where customers can exchange and recharge their batteries and also operates charging stations, enabling people to commute in a cleaner way and reduce pollution.

REDAPTIVE *Efficiency-as-a-service for building*

Location: San Francisco, USA
Founded Year: 2014
Web site: <https://redaptive.com/>



Redaptive

Redaptive manages the building upgrade, covers all costs, and bills the customer for the actual metered saving after the project completion. Redaptive's offering leverages data to unlock cash flows, and the company focuses on enterprise customers with large portfolios of sites.

Heliatek *Organic solar films* The future is light

Location: Dresden, DE
Founded Year: 2006
Web site: <https://www.heliatek.com/de/>



Heliatek

With a patented technology and unique roll-to-roll production process, Heliatek is the world's first series producer of organic solar films, which open up new possibilities for generating clean electricity, enabling a world of independent energy-supplied buildings.

unabiz *IoT solutions*

Location: Singapore
Founded Year: 2016
Web site: <https://www.unabiz.com/>



Unabiz

UnaBiz manages two IoT-dedicated networks in Singapore and Taiwan and offers energy-efficient, highly scalable, and simple to deploy solutions. Today, it provides a diversified range of expertise from product design to manufacturing.

HOME BIOGAS *Household Biogas digester system*

Location: Beit Yanai, Israel
Founded Year: 2012
Web site: <https://www.homebiogas.com/>



Homebiogas

Homebiogas Ltd is the world leader in developing groundbreaking and simple to use biogas systems, enabling people around the globe to turn their organic waste into self-made clean energy.

sigfox *IoT solutions*

Location: Labège, FR
Founded Year: 2009
Web site: <https://www.sigfox.com/en>



Sigfox

The company's software-based communications technology offers a platform where all the network and computing complexity is managed in the cloud, enabling clients to avail the lowest energy-consumption device-to-cloud connectivity.



Energy management services

Location: Santiago, Chile
Founded Year: 2016
Web site: <https://wenuwork.cl/>



WenuWork

The company's services utilize the internet of things and a private web platform to provide easy-to-understand information regarding the energy efficiency project, real-time information regarding energy consumption and diagnostic report on energy consumption.



Online sustainable store

Location: Santiago, Chile
Founded Year: 2016
Web site: <https://denda.cl/>



Denda

The company's platform offer innovative and useful products for recycling and composting and a wide range of energy saving services aiming to reduce the carbon footprint providing a sustainable life and also provides online payment system and with home delivery or retirement options.



Second life EV batteries

Location: New Castle, UK
Founded Year: 2014
Web site: <http://www.c-e-int.com/>



Connected Energy

The company's technology provides the same performance as equivalent first life batteries but at a lower cost and in an environmentally friendly manner and it is designed for industrial and commercial behind the meter applications.



Smart video notes

Location: London, UK
Founded Year: 2013
Web site: <https://vyntelligence.com/>



Vyntelligence

Vyntelligence business focus on data capture through smart video. Vyn smart video technology is deployed to help industrial companies gain visibility and insights over the assets and operations, by empowering field worker to create smart videos reports directly on site.

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