

The Energy Start-up Accelerator

EVOLEN'UP by **EVOLEN**
Energies
Hier, Aujourd'hui & Demain

CETIM

GTT

ifp *Energies nouvelles*

SAIPEM

TotalEnergies

T.EN **TECHNIP ENERGIES**

slb

TechnipFMC

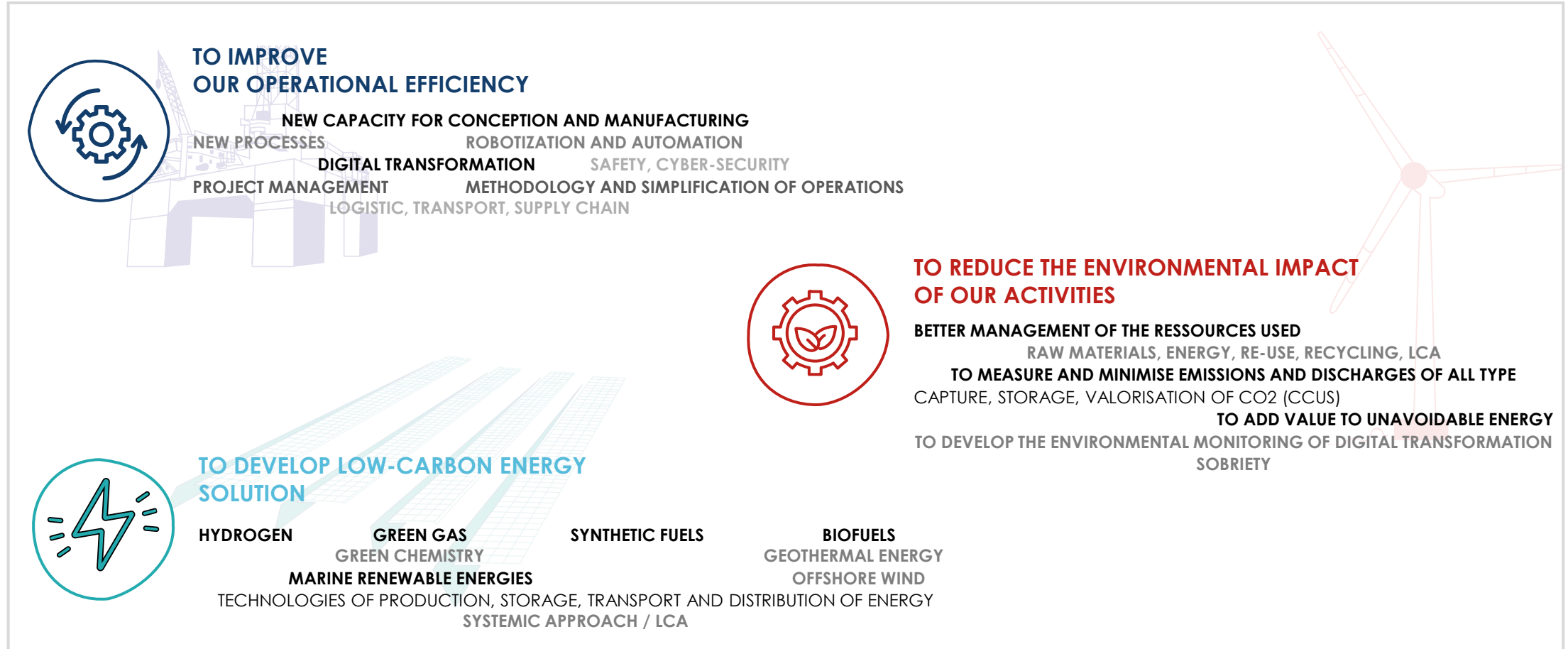
subsea 7

VEOLIA

EVOLEN'UP Accelerate the energy transition

The EVOLEN' UP mission is to open up EVOLEN's industrial ecosystem to all startups with innovative solutions in order to meet the energy challenges of today and tomorrow

3 guiding principles



EVOLEN'UP Our supports



EVOLEN supports companies and professionals in the energy sector to develop sustainable and economically reliable solutions with an easy access to all, in order to achieve in the energy transition towards zero carbon emission in 2050.



+310 companies

The aim of the partnership is to facilitate and represent the energy community in our industry in France and on an international scale.

Our priorities :

- Support our companies in their growth initiatives in France and abroad
- Enhance and promote innovation, support projects and startups
- Contribute to expand scientific, technical and economical knowledge
- Promote expertise, integrate and enhance professional skills



Supporting start-ups in developing their activities, their offerings, and their access to the market.



+1000 Startups



+150 Partners



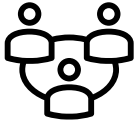
+50 VC investors

IMPULSE PARTNERS is a strategy consulting firm that works with major industrial companies on strategy, innovation, and performance. IMPULSE helps its partners meet growth challenges, identify opportunities, rethink business models, and review innovation strategies.

EVOLEN' UP Partners



EVOLEN'UP What can we do for startups?



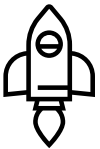
ACCESS TO EVOLEN NETWORK AND BUSINESS NETWORKING

An extensive network of more than 300 qualified professionals, industrials, research centers, etc. to cover the whole energy value chain, a set of meetings dedicated to the energy sector, promotion through media.



PRIVILEGED RELATIONSHIP WITH EVOLEN' UP PARTNERS

Quarter follow-up meetings with EVOLEN' UP partners.



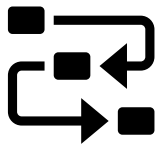
TEST FACILITIES AND INDUSTRIAL SITE FOR EXPERIMENTATION PROJECTS

Co-development if mutual interests, testing on-site, and validation of concrete use cases.



VISIBILITY AND ACCESS TO INVESTORS

Increase visibility and credibility in the market and among investors, get in touch with strategic and targeted investors (e.g. business angels, venture capital, etc.) in the business sectors.



METHODOLOGICAL AND BUSINESS SUPPORT

An exclusive access to experts in the partners network, analysis of the environment (e.g. market, competitors, threats, opportunities, etc.).

EVOLEN'UP Process to integrate the accelerator

STEP 1 | APPLY

Complete an **application form** and the EVOLEN' UP partners will review and select the best applications.

[Apply here!](#)



STEP 2 | PITCH

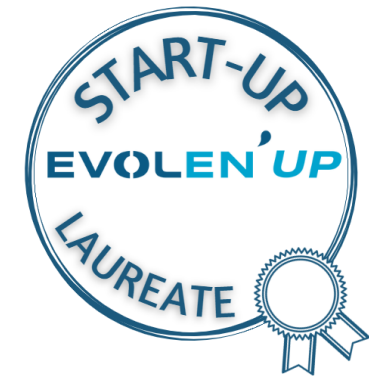
Present project / solution and **detail specific development needs for the startup** to the EVOLEN' UP partners

Criteria assessed by the partners

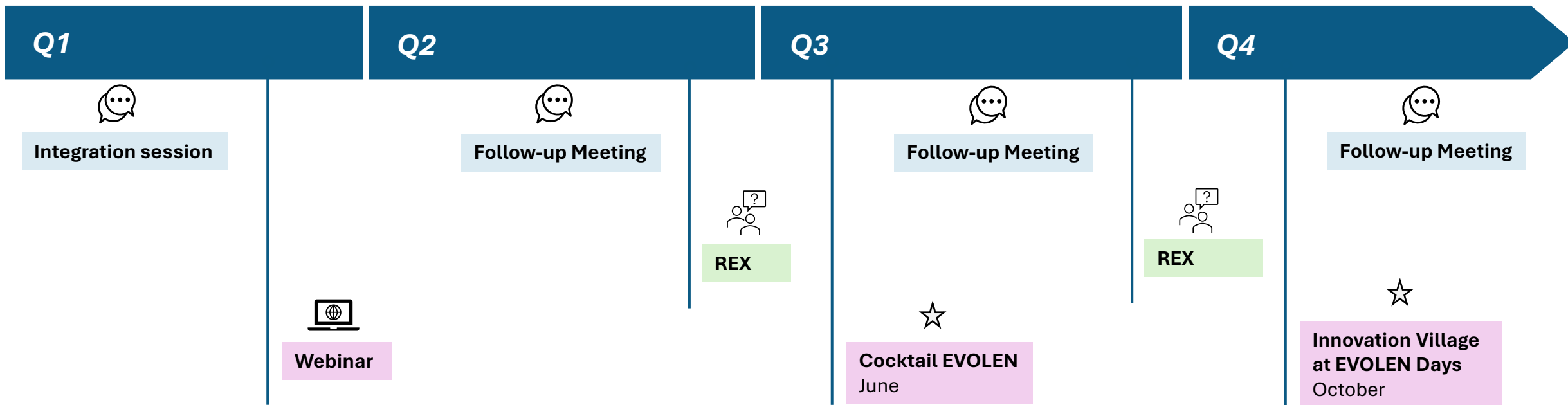
- 1 THE TEAM**
Complementary skills and ability to develop and lead the project
- 2 TEST THE INTEREST**
Startups' vision, capabilities and activities to match EVOLEN' UP partners' interests
- 3 THE OFFER**
Innovative solution and technological differentiation with competitors
- 4 THE MARKET**
Potential application markets

STEP 3 | JOIN





Join the **EVOLEN network** as a startup and collaborate with the EVOLEN' UP partners, after reaching out a mutual interest with them



EVOLEN'UP Typical calendar

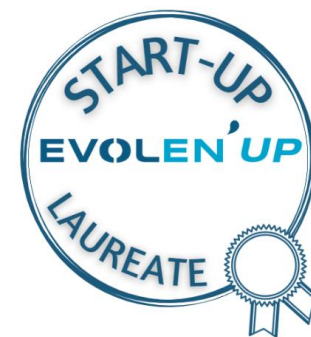


Legend

-  Integration session & Follow-up meetings
-  Feedback survey
-  Webinar
-  Events

[Click here to access all the EVOLEN events along the year](#)

95 awarded startups



Promo 1
2019
Promo 2
2020
Promo 3
2020
Promo 4
2021
Promo 5
2021
Promo 6
2022



#IoT
#3D deformation detection



#magnetic inspection
#buried metal pipes, non-scrappable



#asset monitoring
#maintenance, control, and inventory



#predictive maintenance
#IoT



#synthesis technique
#graphene



#predictive maintenance



#detection, navigation, and surface characterization



#energy storage



#bio-inspired treatment
#biological surface contamination



#material failure
#failure analysis



#video-assistance
#ticketing – technical support



#power-to-gas
#anaerobic digestion
#pyrolysis gasification



#water electrolysis
#hydrogen



#automation
#visual inspection
#data analysis



#photonics and quantum
#monitoring



#ship fleet management



#biomimicry
#propellerless boat engines



#industrial gas exploration
#helium #hydrogen



#chromatography
#on-site
#miniaturization



#electrolysis
#hydrogen
#storage



#ships
#hydrogen



#cold plasma technology
#green hydrogen



#non-destructive testing
#electromagnetism



#LCA
#eco-conception



#liquefaction and storage of biomethane



#carbon capture
#CO2 mineralization



#ORC engine
#electricity from waste heat



#high-pressure volumetric regulators
#gas network transition



#thermochemical battery
#waste heat redistribution



#modular rooftop wind turbine
#solar panels



#nanomaterials
#graphene



#composite
#self-repairing



#recycled concrete
#CO2 storage



#3D model
#digital twin

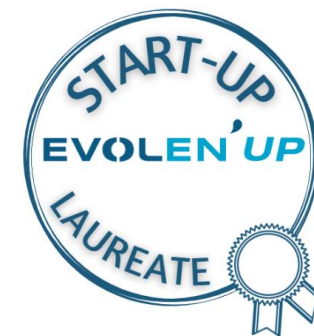


#materials
#low carbon



#carbon footprint measurement platform

95 awarded startups



Promo 7

2022



#hydrogen
#liquefaction



#hydrogen
#waste



#storage
#cooling



#fuel cell
#hydrogen



#hydrogen
compressor



#liquid hydrogen
#storage and
transport



#liquid air storage
#heat and cold
storage



#carbon capture
#climate tech



#energy efficiency
#waste heat



#hydrogen
#marine engines



#sensors #IoT
#waste heat



#water
management
#energy efficiency



#monitoring
#non-destructive
testing

Promo 8

2023



#renewable energy
#water treatment



#NV quantum sensors
#non-destructive
testing



#optimization
#sensor
#wind farm

Promo 9

2023



#green chemistry



#ultrasound
technologies/signal



#CO2 capture



#hydrogen



#waste heat
#refroidissement



#LiDAR



#electrification
#recycling



#hydrogen

Promo 10

2024



Solar & Wind
offshore



Water
Metal
detection



Wind
offshore
Vertical
Turbines



New
material
Resin &
Fiber



Multifunctional solar
panel
Hydrogen
Water purification



Hydrogen



Sound analysis
AI & ML
algorithms



Carbon
Capture

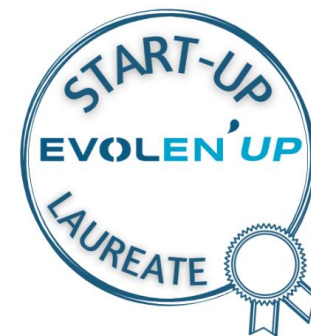


Underwater
autonomous
drones

Promo 11

October 2024

95 awarded startups



Gas detection

VOCsSens
Smart sensing solutions
#Multi-gas sensor

mirSense
#Quantum cascade laser

Weather forecast

MWVI
MARINE WEATHER INTELLIGENCE
#AI #At sea

Carbon Removal

YAMA
#DAC

Energy efficiency

Tinental
#AI #Industrial sites

Energy Storage

STORABELLE
ENERGY STORAGE
#Fossil plant conversion

E-fuel

KHIMOD
#Synthetic molecules

CCUS

Orchestra Sci.
Well-Tempered Tech
#MOF

Plastic recycling

ACBIODE
#Low energy process

Gas separation

UniSieve
#Membrane

Promo 12

April 2025

CCUS

carboneo
#CO₂ electrolysis

CCUS

ExerGo
#CO₂ thermal network

Gas detection

eLICHENS
#NDIR

Gas sensing

NanoChronia
#Nanosensor systems

Gas sensing

m
#Fibre optic

Plastic recycling

earth wake
ENTREPRISE
#Pyrolysis

Climate risk assesment

callendar
#Data analysis

Promo 13

October 2025

Safety & Security

VNEXIA
#hardware/software solution
#AI

URBAN CIRCUS
#AI-powered safety vests
#climate-adaptive PPE

Digital transformation

LithoSight
#subsurface analysis
#AI

New processes

NEXT
engineering
#reactive fluids

Resource management

altrove
#alternative to critical materials
#AI

ENTALPIC
#new materials
#AI

tozero
#lithium-ion battery recycling

Hydrogen

N A W A H
#3D structured nanocarbon

Energy efficiency

Heatlift
#heat pump

EVOLEN'UP Testimonials

Startup testimonials



“
Pure Carbon Capture has engaged, thanks to EVOLEN' UP, with recognized players in the sector and is currently discussing collaborations for its future development and testing new use cases.
”



“
CLHYNN has benefited from the support of EVOLEN' UP and its partners, through high visibility and its network of partners, and may eventually benefit from assistance in raising €10 million in Series A funding by the end of 2025.
”



“
Storabelle has met, via EVOLEN' UP, key customers actively engaged in finding concrete solutions to replace their fossil fuel boilers and move towards their decarbonization goals.
”

Partner testimonials



“
Thanks to EVOLEN' UP, we connect with dynamic startups that are fueling innovation in the energy sector. This collaborative environment helps us evaluate new ideas more rapidly and offers continuous opportunities to engage with forward-thinking minds, both within our organization and throughout the wider energy ecosystem.
”

EVOLEN'UP 14th call for solutions

THEME N°1 DECARBONIZATION

- Decarbonization of industrial energy operations
- Industrial performance, operational excellence
- Process improvement, asset management, aging asset management
- Energy efficiency, reduction and optimization of energy consumption
- Reuse and energy synergies
- Energy recovery from various sources: solar, light, electromagnetic, radio frequency, heat, movement, vibration, etc.
- Carbon capture, use, and storage (CCUS)
- Reduction of greenhouse gas emissions (e.g., CO₂, CH₄)
- Gas separation and treatment
- Integration of renewable energies into oil/gas operations
- Electrification of operations/processes
- Use of low-carbon fuels in operations
- Circular economic practices
- Life Cycle Analysis (LCA)

 To learn more about the call for solutions, [click here!](#)

EVOLEN'UP 14th call for solutions

THEME N°2 AI AND ENERGIES

- Optimization of smart energy networks
- Forecasting, modeling, and dynamic management of energy demand
- Predictive maintenance of energy equipment (power plants, sensors, batteries, etc.)
- Integration of AI into the management and optimization of renewable energies
- AI platforms for managing energy flexibility (storage, load shedding, etc.)
- AI-assisted design of smart energy products (batteries, solar panels, IoT, etc.)
- Use of AI to discover and optimize innovative materials for energy (storage, conversion, insulation, etc.)
- Eco-design and life cycle analysis for AI-automated energy components and systems
- Data Centers including their own energy and thermal management systems
- Impact of AI development on Energy

 To learn more about the call for solutions, [click here!](#)

EVOLEN'UP 14th call for solutions

OR

OTHER TOPIC IN THE ENERGIES LINKED TO OUR GUIDING PRINCIPLES

3 guiding principles

