

The Energy Start-up Accelerator

EVOLEN'UP

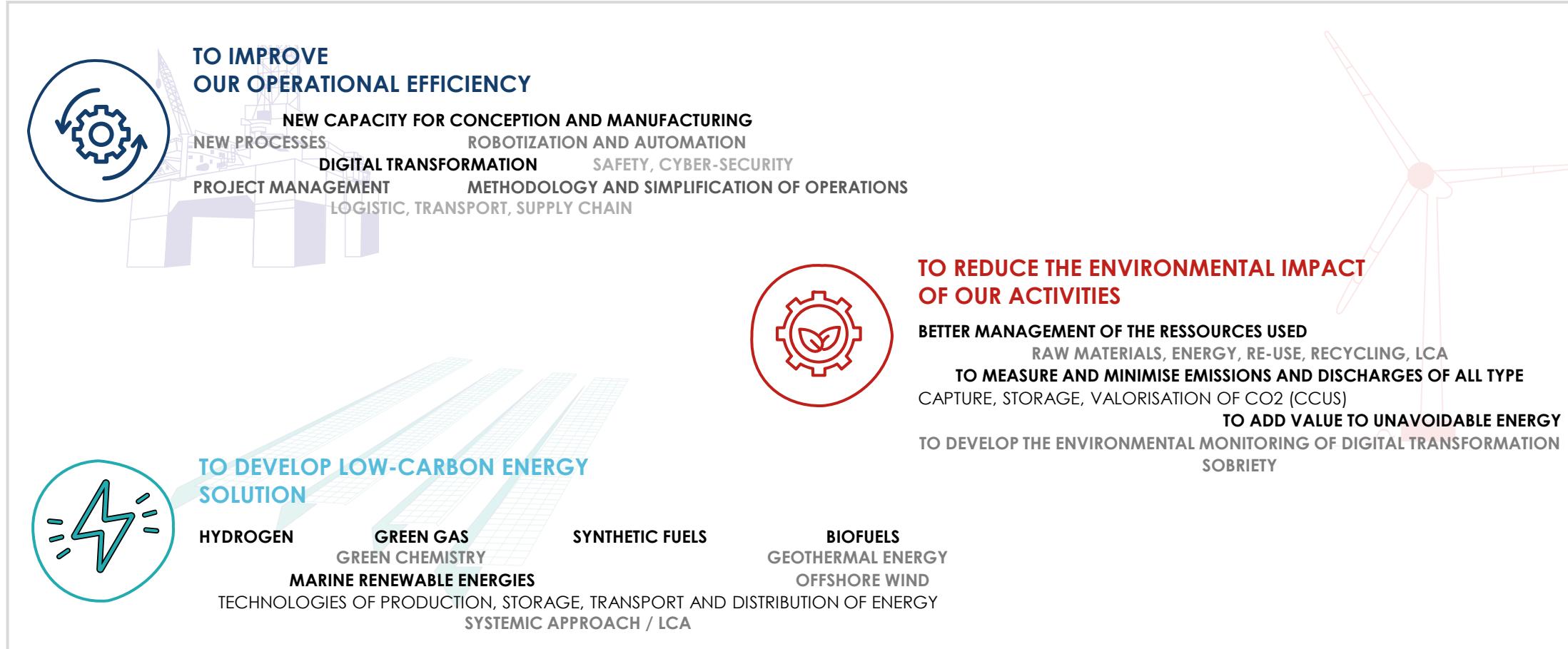
by **EVOLEN**
Energies
Hier, Aujourd'hui & Demain



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.



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.

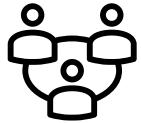


IMPULSE PARTNERS is a strategy consulting firm that works with major industrial companies on strategy, innovation, and performance. IMPULSE helps its partners meet growth challenges, identify opportunities, rethink business models, and review innovation strategies.

EVOLEN' UP Partners



EVOLEN' UP What can we do for startups?



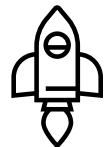
ACCESS TO EVOLEN NETWORK AND BUSINESS NETWORKING

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.



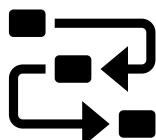
TEST FACILITIES AND INDUSTRIAL SITE FOR EXPERIMENTATION PROJECTS

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

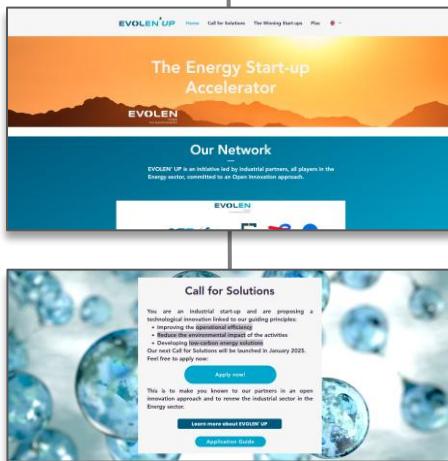
An exclusive access to experts in the partners network, analysis of the environment (e.g. market, competitors, threats, opportunities, etc.).

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

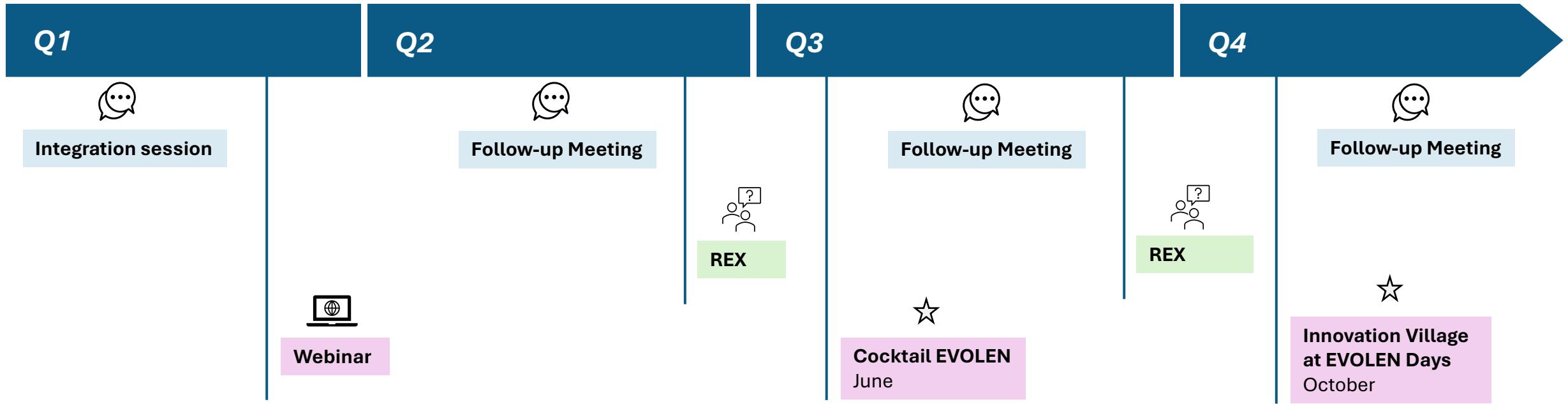
- 1 **THE TEAM**
Complementary skills and ability to develop and lead the project
- 2 **TEST THE INTEREST**
Startups' vision, capabilities and activities to match EVOLEN' UP partners' interests
- 3 **THE OFFER**
Innovative solution and technological differentiation with competitors
- 4 **THE MARKET**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

Promo 1



MORPHOSENSE
 #IoT
 #3D deformation detection

SKIPPER_{NDT}

#magnetic inspection
 #buried metal pipes, non-scrapable

hiboo

#asset monitoring
 #maintenance, control, and inventory



Predikta
 #predictive maintenance
 #IoT

BLACKLEAF

#synthesis technique
 #graphene

Promo 2



ECO-ADAPT
 #predictive maintenance



#detection, navigation, and surface characterization

FREELTech[®]

#energy storage

Structurys_{TM}

#bio-inspired treatment
 #biological surface contamination



#material failure
 #failure analysis



#video-assistance
 #ticketing – technical support

Promo 3



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



#water electrolysis
 #hydrogen

M-CADOR

#automation
 #visual inspection
 #data analysis

MIRAE

#photonics and quantum
 #monitoring

Opsealog

#ship fleet management



#biomimicry
 #propellerless boat engines

Promo 4



45-8 energy
 #industrial gas exploration
 #helium #hydrogen



#chromatography
 #on-site
 #miniaturization

enosis

#electrolysis
 #hydrogen
 #storage

NepTech
 Intelligent sea mobility

#ships
 #hydrogen



#cold plasma technology
 #green hydrogen



#non-destructive testing
 #electromagnetism

Promo 5



Altermaker
 #LCA
 #eco-conception



#liquefaction and storage of biomethane

Cambridge Carbon Capture

#carbon capture
 #CO2 mineralization

ENTENT
 L'énergie durable à portée de main

#ORC engine
 #electricity from waste heat

SARUS

#high-pressure volumetric regulators
 #gas network transition



#thermochemical battery
 #waste heat redistribution

WIND my ROOF

#modular rooftop wind turbine
 #solar panels

Promo 6



Carbon Waters
 ENDLESS HORIZON OF MATERIALS

#nanomaterials
 #graphene

COMPPAIR

#composite
 #self-repairing

neustark[®]

#recycled concrete
 #CO2 storage

SAMP

#3D model
 #digital twin

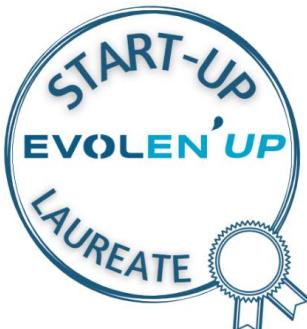
TECHOCARBON
 BUILDING THE FUTURE

#materials
 #low carbon

TRACE

#carbon footprint measurement platform

95 awarded startups



95 awarded startups

Promo 7



#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



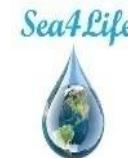
#energy efficiency
#waste heat



#hydrogen
#marine engines



#sensors #IoT
#waste heat



#water
management
#energy efficiency



#monitoring
#non-destructive
testing



#renewable energy
#water treatment



#NV quantum sensors
#non-destructive
testing



#optimization
#sensor
#wind farm



#green chemistry



#ultrasound
technologies/signal



#CO2 capture



#hydrogen



#waste heat
#refroidissement



#LiDAR



#electrification
#recycling



#hydrogen

Promo 8



#renewable energy
#water treatment



#NV quantum sensors
#non-destructive
testing



#optimization
#sensor
#wind farm



#green chemistry



#ultrasound
technologies/signal



#CO2 capture



#hydrogen



#waste heat
#refroidissement



#LiDAR



#electrification
#recycling



#hydrogen

Promo 9



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 10



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



95 awarded startups

Promo 11

October 2024

Gas detection


VOCsens
Smart sensing solutions
#Multi-gas sensor


mirSense
#Quantum cascade laser

Weather forecast


MWI
MARINE WEATHER INTELLIGENCE
#AI #At sea

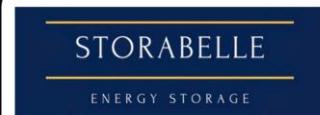
Carbon Removal


YAMA
#DAC

Energy efficiency


Tinental
#AI #Industrial sites

Energy Storage


STORABELLE
ENERGY STORAGE
#Fossil plant conversion

E-fuel


KHIMOD
ALCEN
#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


earthwake
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

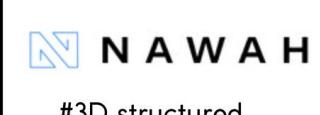
Resource management


altrove
#alternative to critical materials
#AI


ENTALPIC
#new materials
#AI

Hydrogen


tozero
#lithium-ion battery recycling


NAWAH
#3D structured nanocarbon

Energy efficiency


LithoSight
#subsurface analysis
#AI


NEXT engineering
#reactive fluids


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

