

# EVOLEN'UP

Startup accelerator in the energy sector  
initiated in 2019 by **EVOLEN**

Energies  
Aujourd'hui & Demain

## Corporate partners:



Powered by:  **IMPULSE PARTNERS**  
Strategy | Innovation | Performance

# EVOLEN' UP – ACCELERATE THE ENERGY TRANSITION

Our mission: Search and support new solutions to meet the energy challenges of today and tomorrow

## 3 guiding principles



### TO IMPROVE OUR OPERATIONAL EFFICIENCY

NEW CAPACITY FOR CONCEPTION AND MANUFACTURING  
NEW PROCESSES, ROBOTIZATION AND AUTOMATION  
DIGITAL TRANSFORMATION SAFETY, CYBER-SECURITY  
PROJECT MANAGEMENT METHODOLOGY AND SIMPLIFICATION OF OPERATIONS  
LOGISTIC, TRANSPORT, SUPPLY CHAIN



### TO REDUCE THE ENVIRONMENTAL IMPACT OF OUR ACTIVITIES

BETTER MANAGEMENT OF THE RESSOURCES USED  
RAW MATERIALS, ENERGY, RE-USE, RECYCLING, LCA  
TO MEASURE AND MINIMISE EMISSIONS AND DISCHARGES OF ALL TYPE  
CAPTURE, STORAGE, VALORISATION OF CO2 (CCUS)  
TO ADD VALUE TO UNAVOIDABLE ENERGY  
TO DEVELOP THE ENVIRONMENTAL MONITORING OF DIGITAL TRANSFORMATION

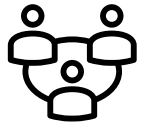


### TO DEVELOP LOW-CARBON ENERGY SOLUTION

HYDROGEN GREEN GAS SYNTHETIC FUELS BIOFUELS  
GREEN CHEMISTRY GEOTHERMAL ENERGY  
MARINE RENEWABLE ENERGIES OFFSHORE WIND  
TECHNOLOGIES OF PRODUCTION, STORAGE, TRANSPORT AND DISTRIBUTION OF ENERGY  
SYSTEMIC APPROACH / LCA

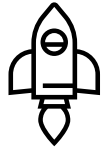
# EVOLEN' UP – WHAT WE DO FOR STARTUPS ?

Unique access to decision-makers and industry experts



## ACCESS TO EVOLEN NETWORK AND BUSINESS NETWORKING

*The winning startups have access to the vast EVOLEN network with more than 250 companies whose expertise covers the entire field of hydrocarbons and new energies.*



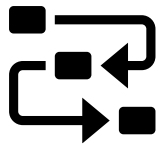
## TEST FACILITIES AND INDUSTRIAL SITE FOR EXPERIMENTATION PROJECT

*When selected, startups have the opportunity to test their solutions on-site at corporates partners. This support in carrying out field tests is a key step in the startup cycle in order to validate concrete use cases.*



## CREATING AND DEVELOPING INVESTOR-STARTUP RELATIONS

*Once integrated, the winners can benefit from assistance in setting up an investment plan and from contact with targeted investors in the business sectors of EVOLEN' UP.*



## METHODOLOGICAL AND BUSINESS SUPPORT

*Access to specialists and partners' business expertise is part of the EVOLEN' UP promise. Startups benefit from an individualized action plan and are guided towards understanding the partners' markets.*

# EVOLEN' UP – PROCESS TO INTEGRATE THE ACCELERATOR

Startups will benefit from a customized support for 6 months

## STEP 1 | APPLY

Complete your **application form**, our team will take care of the analysis and selection process

[Apply here !](#)



## STEP 2 | PITCH

Present your project and **express your development needs** in front 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**  
Verification that the startup fits the activity, philosophy and vision of EVOLEN' UP partners.
- 3 THE OFFER**  
Innovative aspect and distinctiveness of the technology compared to competitors
- 4 THE MARKET**  
Potential application markets

## STEP 3 | JOIN

Once the mutual interest between you and the partners has been demonstrated, **join the EVOLEN network** and collaborate with EVOLEN' UP partners.



# EVOLEN' UP – INTEGRATED STARTUPS

23 startups already integrated since 2019



#IoT  
#3D deformation  
detection



#magnetic surface  
inspection  
#non-scrappable  
underground metal pipes



#asset monitoring  
#maintenance,  
control and inventory



#predictive maintenance  
#IoT  
#energy signature of  
equipment



#graphene synthesis  
technique



#predictive maintenance  
#analysis of electrical signals



#electromagnetic  
detection and  
navigation solutions



#energy storage



#bio-inspired treatment  
#surface contamination  
of biological origin



#rupture of materials  
#failure analysis



#video assistance  
#ticketing – technical  
support



#power-to-gas  
#methanation  
#pyrogasification



#water electrolysis  
#hydrogen



#visual inspection  
#data analysis



#photonic and  
quantum solutions  
#predictive  
maintenance



#management of  
offshore maritime  
fleets



#biomimicry  
#engine without propeller



#exploration of industrial gases  
#helium  
#hydrogen



#chromatography  
#on site  
#miniaturization



#electrolysis  
#hydrogen



#ships  
#hydrogen



#cold plasma techniques  
#hydrogen



#non-destructive testing  
#electromagnetism

# EVOLEN' UP – PREVIOUS SELECTION EVENT

The event took place on April 2, 2021

H2

## THEME 1

### The role of hydrogen in the energy transition

- **Production of renewable (green) hydrogen** by electrolysis of water from electricity supplied by renewable energies in order to **decarbonize industrial processes** ;
  - **Production of blue hydrogen** from "low-carbon" sources ;
  - Valorisation of hydrogen in the gas sector either **by direct injection into gas networks for combustion or by production of synthetic methane - Transformation of gas networks** ;
  - **Production of electricity** from hydrogen using **fuel cells** ;
  - **Transformation of hydrogen** into **another fuel**
- New uses of hydrogen: industrial infrastructures, port hubs, application to heavy and light land and sea mobility ;*
- **Production of natural hydrogen (white hydrogen)** or **storage of hydrogen** in underground cavities.

*This theme is developed in partnership with the EVOLEN Committee "Hydrogen and Industry".*

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## THEME 2 Environmental monitoring

- The diagnosis and monitoring to assess **the quality of resources** ;
- **The quantification of organic pollutants or rare metals (lithium)** in different matrices (water, sediments, air, liquid or gaseous effluents) ;
- **The capture and quantification of greenhouse gases** (CH<sub>4</sub>, CO<sub>2</sub>, etc.) ;
- The development and improvement of processes **for the treatment of liquid or gaseous effluents** ;
- **The management of resources** on an industrial site (energy, water, pollutant flows, raw materials, products) ;
- The management and control of **the polluting risk** ;
- The study and implementation of **resource recycling** (re-use);
- The modelling and associated digitalisation.

# THE EVOLEN' UP TEAM



**Alain Marion**  
EVOLEN' UP  
Orientation Council Chairperson



**Sylvaine Le Roy-Delage**  
EVOLEN' UP Director



**Marion Desnost**  
Consultant at Impulse Partners



**Jérôme Pasquier**  
Manager at Impulse Partners





In a multi-energy world, support Oil, Gas and New Energies actors in developing responsible, sustainable and economical solutions to promote access to energy for all and accelerate the energy transition.

+250 companies

EVOLEN's mission is to lead and represent a community of industrial actors in France and abroad.

**Its priorities:**

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

**IMPULSE PARTNERS**  
Strategy | Innovation | Performance

Supporting startups in the development of their activities, their offers, and their access to the market.

+600 Startups

+100 Partners

+50 VCs Investors

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

IMPULSE PARTNERS also develops startup platforms in close collaboration with industrial decision-makers, local authorities and specialized investors. The IMPULSE teams detect the most innovative and promising startups and put them in touch with industry leaders in order to accelerate their development.

**Integrated startups:**



FOR MORE INFORMATION:



**Corporates partners:**



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