



The SYRIUS Programme SYnergies Régénératives IndUstrielles Sud

(Southern Industrial Regenerative Synergies)

A collective dynamic for the
decarbonisation of industry

Financé par





At the heart of the ecologic transition and the fight against climate change, SYRIUS is a collective dynamic bringing together the main manufacturers, logistics hubs and economic players of the industrial-port area of Marseille-Fos.



Goal:

To accelerate industrial decarbonisation to sustainably reconcile the economy, environmental challenges and quality of life. For SYRIUS stakeholders, industry transformation represents the opportunity to become a pioneering territory for decarbonisation in Europe, while promoting innovation, job creation and economic renewal.



Mission:

SYRIUS mobilises, brings together and supports the major industrial players in the territory to co-create intersectoral decarbonisation roadmaps, identify structuring projects and optimise their implementation.



Objectives:

SYRIUS aims to:

- Accelerate industrial decarbonisation to achieve an 80% reduction in greenhouse gas emissions by 2050
- Promote the emergence of new industrial sectors (CO₂ hub, Hydrogen hub, sustainable fuels, renewable energies, etc.)
- Develop new key infrastructures to support the transformation of the industrial-airport-port area



BETWEEN CHALLENGES & OPPORTUNITIES

Accelerating the ecological and energy transition

The stakeholders involved in SYRIUS aim to reduce their greenhouse gas (GHG) emissions to move toward carbon neutrality by focusing on:

- Optimising material and energy flows
- Pooling studies, solutions and projects
- Integrating innovative practices and projects
- Diversifying the energy mix
- Transforming of processes

A strategic industrial and port territory with very high issues

SYRIUS is implemented in an industrial and port territory which is at the heart of major environmental, economic and societal challenges. The transformation of its industrial port area represents a strong lever for development and appeal that is not only necessary but beneficial for everyone.



80%
reduction
GHG emissions
by 2050



Over 50,000
jobs



Important
Euro-Mediterranean
Hub



18Mt
of CO₂ produced in 2019
by the industrial sector



SYRIUS, A COLLECTIVE DYNAMIC

Acting together to decarbonise the industrial Port Area through a major collective and strategic approach for a sustainable future

SYRIUS is a large-scale initiative born of a collective and intersectoral approach, led by PICTO and its coordination partners: Capenergies, Novachim, the Port of Marseille-Fos, the Aix-Marseille-Provence Metropolis and the Southern Region. This dynamic mobilises the main emitting sectors of the territory (steel, chemical, petrochemical, refining, logistics, aeronautics, cement, waste treatment, etc.).



THE PICTO ASSOCIATION COORDINATES THIS PROGRAMME

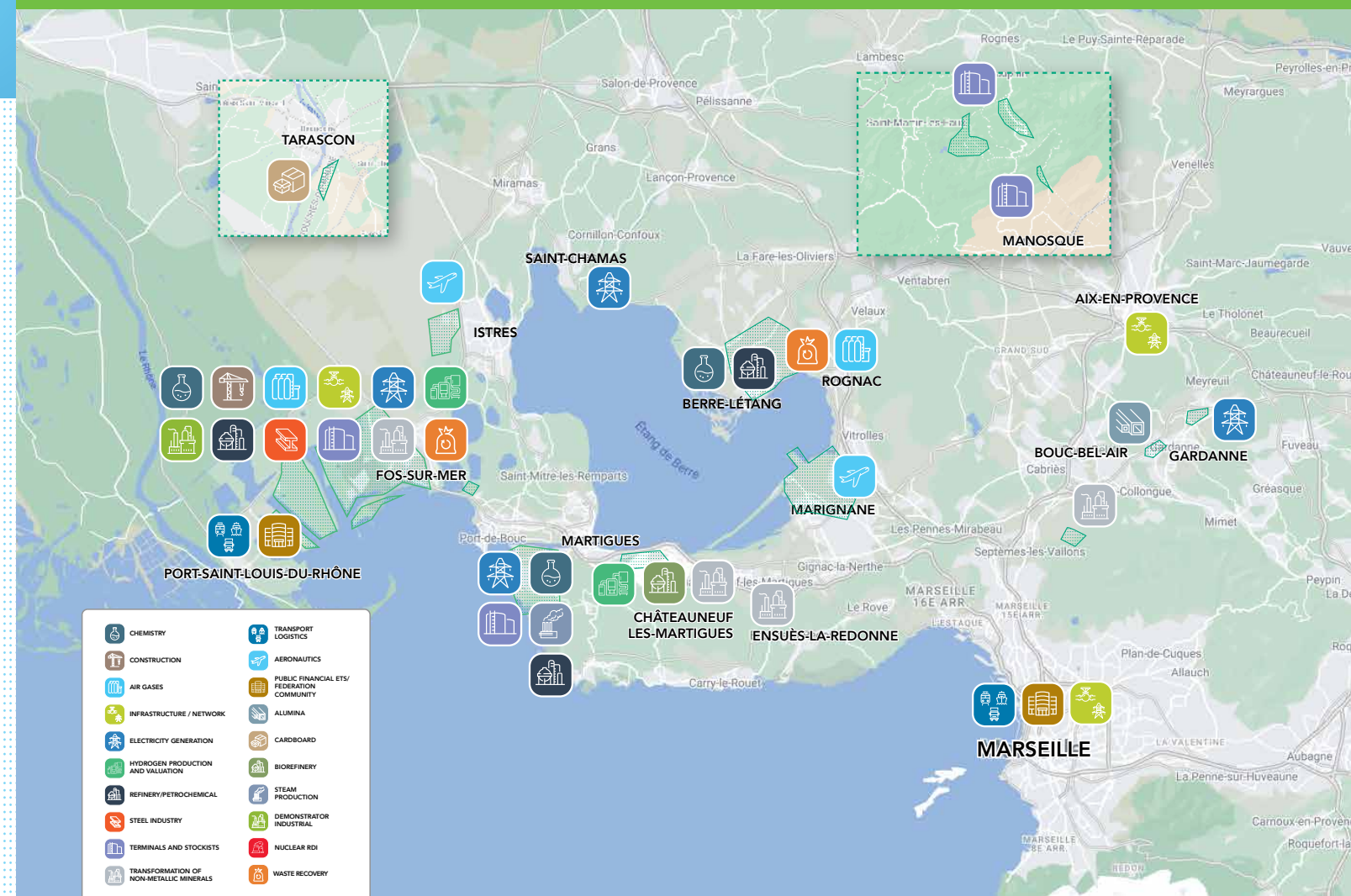
with expert partners



and public authorities



A GLOBAL APPROACH TO ACHIEVE AND TO IMPROVE ATTRACTIVENESS, RESILIENCE AND COMPETITIVENESS



A programme organised on an ambitious schedule...

To collectively create a local low carbon strategy by 2025, essential for combating global warming and adapting to climate change. SYRIUS is:

- A base in charge of defining and managing around thirty engineering and structural feasibility studies around 5 priority issues
- Over 50 mobilised stakeholders (manufacturers, logisticians, planners, local authorities, academics, etc.)
- A budget of €9M, co-financed 50% by Ademe and 50% by private actors (manufacturers, logisticians, etc.)

.... Subscribing to a long-term dynamic

From 2025, the second phase of the SYRIUS Programme will aim to support the operational implementation of decarbonisation through practical synergies between manufacturers in the territory, the positioning of appropriate financing windows, undertaking additional studies and scheduling major investments.

Our mission: to achieve the objectives collectively defined through the intersectoral decarbonisation roadmaps.

...Based on 5 main topics

SYRIUS is covering five priority issues in its short and ambitious first two-year phase (2023 – 2025):



- **Decarbonisation trajectories and Industrial Ecology (IE)**
Optimising resources by recovering and optimising material and energy flows, reducing and recovering industrial co-products in circular economy loops



- **Energy vectors**
Developing the energy mix (renewable energies, hydrogen, biogas, biomass, electrification of industrial sites, etc.), maintaining and adapting storage and transport infrastructures



- **Carbon capture, utilisation or storage (CCUS):**
Developing new uses to significantly enhance and store CO₂ emissions from industries and logistics



- **Optimisation and decarbonisation of logistics:**
Developing sustainable fuel production sectors in the port area, promoting modal shift, pooling infrastructures and promoting short supply circuits



- **Local development and appeal**
Promoting and characterising territorial resilience, adapting to climate change, acceptability, appeal, creation of new jobs and training

Our stakeholders involved in the programme:



More information

Highlights, actors & partners, progress of the project - follow our news.



www.piicto.fr/ProgrammeSYRIUS



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