GRAVITHY, A PIONEER IN THE LOW-CARBON IRON MARKET, PROVIDES AN UPDATE ON THE STUDIES RELATED TO ITS FUTURE PLANT IN FOS-SUR-MER

Supported by EIT InnoEnergy, Engie New Ventures, FORVIA, GROUPE IDEC, Plug, and Primetals Technologies, GravitHy has been committed since September 2022 to building its first low-carbon DRI/HBI plant in France, located in Fos-sur-Mer (13). The total investment for this first plant will amount to €2.2 billion and will create more than 3,000 new jobs.

The first phase of engineering studies has just been completed.

The innovative and experienced GravitHy team works daily with its leading local and international partners to make this plant a success.

The first phase of engineering studies is coming to an end. The economic, technical, environmental, and regulatory feasibility of the industrial project has been definitively confirmed. This initial study phase involved more than €3 million and over 50 experienced engineers over the past three months. GravitHy now has a reliable project schedule and a finalized site plan. The next phases will prepare the overall project timeline and launch the first calls for tenders.

In addition, environmental studies have been initiated and are ongoing; the National Commission for Public Debate is expected to be consulted in the coming weeks.

The State services, under the authority of the Prefect of Bouches-du-Rhône and the Sub-Prefect of Istres, France 2030 coordinator, are doing a remarkable job of providing support.

GravitHy, pioneer in the low-carbon sustainable iron market

GravitHy is an industrial start-up whose goal is to accelerate the decarbonization of the steel industry. Starting in 2028, GravitHy will produce low-carbon metallic iron in the form of DRI pellets (DRI stands for Direct Reduced Iron in English).

The DRI pellets produced by GravitHy will be marketed worldwide after on-site transformation of the DRI into Hot Briquetted Iron (HBI). These low-carbon pellets and briquettes will supply the rapidly growing market for decarbonized steel, driven both by steelmakers seeking to produce low-carbon steel and by end customers—steel users—looking to reduce their carbon footprint in industries such as automotive, wind energy, or construction.

"In addition to integrating into a local ecosystem, GravitHy will play a strategic role in the reindustrialization and decarbonization of France—and even Europe. Our low-carbon DRI/HBI produced in strategic port areas such as Fos-sur-Mer will optimize the steel production value chain. GravitHy is the missing link in the steel industry and the partner of choice for European steelmakers to accelerate their transition toward sustainable production.
It is an immense challenge, but one that is both possible and necessary to tackle, because steel is everywhere and accounts for 25% of CO_2 emissions from French industry. By reducing the environmental impact of steel, GravitHy contributes to lowering the carbon footprint of numerous sectors."

José NOLDIN, CEO of GravitHy

GravitHy in Fos-sur-Mer will be fully integrated into the local industrial ecosystem.

The GravitHy plant in Fos-sur-Mer will fully participate in the revitalization of the local ecosystem and the sustainability of industrial jobs:

- Increase in solid bulk traffic (around 3 Mt/year of imported iron ore and exports of decarbonized HBI by sea)
- Industrial activity aligned with existing industries at the Grand Port Maritime of Marseille and all utilities produced in the area (heat requirements, hydrogen production, synergies with steelmakers, etc.)
- Creation of more than 3,000 new direct and indirect jobs over time
- Partnerships with schools, universities, and training centers to develop new initial and continuing education programs for students and employees undergoing retraining.

After construction, cold commissioning will start in 2027 and testing will take place. The plant will be operational from 2028.

« The GravitHy project represents a major investment, a port revitalization with significant imports and exports, job creation, and the emergence of new professions! Above all, what matters most to me is the nature of the GravitHy project, which will substantially reduce steel industry emissions by around 4 Mt per year!

GravitHy is part of a global dynamic that, in the coming years, will make the Fos industrial-port zone the world model for industrial decarbonization and the fight against climate change.»

René RAIMONDI, Mayor of Fos-sur-Mer

The future leader of the French industry abroad

Steel is the strategic foundation of industry and energy transition. Beyond steel, it is all the tools and technologies (vehicles, wind turbines, buildings, steel structures...) that will be decarbonized thanks to GravitHy.
The Gravithy plant in Fos-sur-Mer will embody the future of primary steel on the Mediterranean façade. For GravitHy, this factory will be the first of a long series. Already, given the demand for decarbonized steel, it is known that GravitHy will develop new production units of low-carbon DRI/HBI in Europe and worldwide. **The decarbonization of the steel industry is underway and France has the opportunity to be the reference in the field.**

GravitHy

2,2b€
investment

1t
OF DRI = APPROX. 2T OF CO2 AVOIDED

120kt
LOW CARBON HYDROGEN /Year

3000
Direct & Inderect Jobs Created

2Mt
DRI/HBI /YEAR

4Mt
CO2 AVOIDED EACH YEAR

What is the DRI?
GravitHy will produce decarbonated DRI (Direct Reduced Iron) by reducing iron ore, thanks to hydrogen produced on site. The DRI can be used by nearby steelmakers or processed into hot briquetted iron (HBI) to be transported to steelworks across Europe and thus decarbonize their production.

www.gravithy.eu

ABOUT PREGNANCY

Launched in July 2022, GravitHy is a sustainable steel company whose first factory will be located in Fos-sur-Mer, in the PACA region. GravitHy will serve the growing market for green and decarbonised steel. Its objective: reduce emissions from the sector by producing and using green and low-carbon hydrogen to produce DRI. This DRI will be used on site as a raw material for the manufacture of green steel or marketed globally in the form of HBI.

The company's shareholders are EIT InnoEnergy, the innovation engine for sustainable energy led by the European Institute of Innovation and Technology, a body of the European Union (EU), Engie New Ventures, FORVIA, GROUPE IDEC, Plug and Primetals Technologies.

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