GravitHy selects Danieli for its 2 million tonnes Direct Reduction Plant in Fos-sur-Mer

A key technology package supporting the development of one of Europe's largest low-carbon iron production projects.

Paris and Fos-sur-Mer, France – August 4, 2026

GravitHy, the future producer of low-carbon iron for the European steel industry, announced the strategic signing of a contract with **Danieli** for the Direct Reduction Plant (DRP) of its flagship project in Fos-sur-Mer, France.

Under the agreement, Danieli will provide the process plant and the technological design for a state-of-the-art direct reduction plant using Energiron technology, jointly developed by Danieli and Tenova. This plant is designed to produce up to 2 million tonnes per year of high-quality hot briquetted iron (HBI), a premium form of Direct Reduced Iron (DRI), with easy storage and logistic for use in low-carbon electric steelmaking. The facility is being designed to operate with **100% hydrogen as reducing gas**, supporting GravitHy's ambition to deliver low-carbon iron to steelmakers across Europe.

This contract represents **a major milestone in the GravitHy project**, securing one of the plant's core process units. This unique cooperation for a DRI plant in Europe sets a high standard for the European green steel industry. It will also enable the progress of GravitHy’s FEED (Front End Engineering Design) studies which is a key piece to derisk the project before Final Investment Decision (FID) planned for 2027.

A technological cornerstone of GravitHy's industrial plant

The Direct Reduction Plant will form the heart of GravitHy's industrial process, transforming iron ore into Direct Reduced Iron using hydrogen instead of conventional coal-based reduction methods. Designed around hydrogen-based ironmaking, the DRP will play a critical role in reducing carbon emissions associated with steel production, by -90% on the overall value chain compared to traditional blast furnace steelmaking, while supporting the emergence of a competitive, resilient and sovereign European low-carbon steel value chain.

Maximizing value across the entire production chain

Beyond its standalone performance, the Energiron technology has been selected for its ability to generate synergies across the broader GravitHy industrial ecosystem. The process design enables the optimization of energy use, utilities management and plant-wide operational efficiency, while ensuring seamless integration with hydrogen production, water treatment and downstream logistics

assets. This holistic approach is intended to deliver operational safety, world-class product quality, operational reliability and competitive low-carbon iron production for European steelmakers.

The plant is designed to produce high-quality HBI suitable for electric steelmaking applications, combining high metallization rates and optimized carbon content to meet the performance requirements of modern low-carbon steel production routes.

Strengthening project delivery

The selection of Danieli reflects GravitHy's commitment to partnering with leading industrial technology providers capable of delivering on time high-performance, reliable and future-ready solutions.

Beyond supplying key process equipment, the design of the direct reduction plant will maximize synergies with other parts of the GravitHy facility, supporting operational efficiency, energy optimization and the production of world-class low-carbon iron products for European customers. Located in the industrial and port ecosystem of Fos-sur-Mer, the project will contribute to the emergence of a major European hub for low-carbon iron and steel production, supporting industrial sovereignty, competitiveness and decarbonization objectives.

José Noldin, CEO of GravitHy, said:

" Transforming the steel industry requires collaboration with key players. The selection of Danieli and their Energiron DRP technology marks an important step in the development of GravitHy. By securing a critical technology package for our future facility, we are reinforcing our ability to deliver low-carbon iron at industrial scale and contribute to the industrial resilience, energy transition and decarbonization of the European steel value chain."

Giacomo Mareschi Danieli, CEO of Danieli, said:

"We are proud to support GravitHy in the development of this landmark project and to contribute our expertise in direct reduction technologies to one of Europe's most ambitious low-carbon industrial initiatives."

About GravitHy

Recognized as a **Major National Interest Project** by French government decree in 2024, GravitHy is a French industrial company producing low-carbon iron using low-carbon hydrogen and electricity. Its mission is to enable steelmakers to reduce their CO_2 emissions by more than 90% compared with traditional blast furnace processes, while strengthening Europe's industrial sovereignty and strategic value chains. www.gravithy.eu

About Danieli

Danieli is a global leader in the design, manufacturing, and installation of metal production plants and equipment. The company provides comprehensive solutions, offering both turnkey projects and individual units, all powered by its proprietary technology. Danieli's expertise covers the entire production cycle— from ore and scrap processing to finished products, including flat, long, tubular, and extruded products, for both ferrous and non-ferrous metals. Danieli plants are run by "Danieli Automation" systems for process control, power, and instrumentation, complemented by DigiMet smart manufacturing solutions that embrace Industry 4.0. www.danieli.com

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