



## **Tenaris, Saipem and Siad sign a MoU for the study of a CO<sub>2</sub> capture and utilization project in Dalmine, Italy**

*Bergamo - San Donato Milanese (Italy), January 27, 2022* - Tenaris, Saipem and SIAD have signed a Memorandum of Understanding (MoU) to start the design phase of a carbon dioxide capture and utilization (CCU) plant, to be built at the Tenaris plant in Dalmine, northern Italy.

The project covers the capture of 30 tons of CO<sub>2</sub> per day produced by the thermoelectric power plant installed at the TenarisDalmine plant. The CO<sub>2</sub> captured through Saipem CO<sub>2</sub> Solutions proprietary technology will be subsequently used by SIAD, specifically in the food and beverage industry, for crops, in water treatment, in metal processing and as a refrigerant gas with a reduced environmental impact.

Saipem CO<sub>2</sub> Solutions technology, which is based on an innovative enzymatic process used for CO<sub>2</sub> capture, allows for the use of waste heat whilst avoiding the use of toxic substances used in other processes.

The agreement among the three companies is structured in various phases, the first of which will be a feasibility study.

Michele Della Briotta, President of Tenaris Europe and CEO TenarisDalmine, says *"This project is part of Tenaris's goal to reduce by 30% its CO<sub>2</sub> emissions by 2030. In Italy we are actively working towards this goal through investments and projects to reduce air pollution, to promote energy efficiency and to reduce raw material consumption as well as to increase the content of recycled material in our products, along with the valorization and reuse of our by-products"*.

Francesco Caio, CEO and General Manager of Saipem, commented: *"The agreement with Tenaris and Siad confirms Saipem's role in offering cutting-edge technological solutions for reducing environmental impact. The participation in this project consolidates our strategy of decarbonization in industrial sectors and confirms the role of Saipem as the ideal partner for Net Zero"*.

Bernardo Sestini, CEO of SIAD explains: *"SIAD participates in this project because we are convinced that innovation, which has always been one of our values, is the basis for the development of environmental sustainability. The CO<sub>2</sub> can be used by our customers for innovative applications in the environmental and food sectors, such as the production of micronutrients from algae or low-impact hydroponic farming. The recovery and use of CO<sub>2</sub> enables the development of an increasingly circular and sustainable economy"*.



## Tenaris

*Tenaris is one of the largest global manufacturers and suppliers of steel pipes and services to the global energy industry and other industrial applications. Tenaris also supplies tubes and tubular components for low-carbon energy applications such as geothermal wells, waste-to-energy (bioenergy) plants, hydrogen storage and refueling stations, solar and wind farms.*

*Listed on the Milan, New York and Mexico City stock exchanges, Tenaris has an integrated network of manufacturing units, research laboratories, finishing centers and services, with industrial operations in the Americas, Europe, the Middle East, Asia and Africa.*

*TenarisDalmine - Tenaris operational headquarters in Italy - has 6 production plants, a steel mill and a 120 MW self-production power plant which, like all TenarisDalmine production sites, is ISO EN 14001, ISO45001, ISO50001 certified.*

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## Saipem

*Saipem is an advanced technological and engineering platform for the design, construction and operation of safe and sustainable complex infrastructure and plants. Saipem has always been oriented towards technological innovation and is currently committed, alongside its clients, on the frontline of energy transition with increasingly digitalised tools, technologies and processes that were devised from the outset with environmental sustainability in mind. It is listed on the Milan stock exchange and operates in over 60 countries around the world with 32 thousand employees from 130 different nationalities.*

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## SIAD

*SIAD S.p.A, one of the leading players in the economic growth of Italy since it was founded in Bergamo in 1927, is a model of industrial excellence. The SIAD Group, chaired by Roberto Sestini and administered by Bernardo Sestini is a leading industrial group, has a 2020 turnover of 700 million euros, 70 thousand customers worldwide and 2,000 employees.*

*SIAD operates in the production and sale of the full range of industrial, special and medical gases and associated services, with a wide range of activities which extend to sectors such as Healthcare (homecare and hospital). Through its subsidiary Istrabenz Plini, the SIAD Group is also present in the LPG and natural gas markets. In the Engineering sector, with SIAD Macchine Impianti, Tecno Project Industriale and ESA, SIAD*



*has developed the business throughout the world, with the design, manufacture and installation of plants for air separation, conversion of biogas into biomethane and carbon dioxide purification plants, process and PET compressors and industrial combustion plants.*

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*Area of the TenarisDalmine plant where (on the left) the thermoelectric plant is located*

**CO<sub>2</sub>**  
SOLUTIONS  
by SAIPEM



*CO2 Capture Plant of 30 tons per day operating on a commercial scale at Saint-Felicien, Quebec, Canada*



*The Osio Sopra (Italy) plant, the main SIAD production center, is the largest and most comprehensive national facility in the industrial gas sector*