

PRESS RELEASE

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Tenova Received Two Contracts from TenarisDalmine for the Steelmaker's New Investment in Special Steel Production

Castellanza, May 09, 2022 – Tenova, a leading developer and provider of sustainable solutions for the green transition of the metals industry, was awarded two contracts by Tenaris, global manufacturer and supplier of steel pipes and related services, for its mill in Dalmine (Italy). Both contracts are related to the steelmaker's new investment in **special steel production**. The two companies belong to the Techint Group.

The Dalmine project is divided into three phases, two of which will be supplied by Tenova. The first phase consists of a **state-of-the-art melt shop ladle furnace**. The ladle furnace will be used for secondary metallurgical treatment of the liquid steel.

The second project phase will consist of a Tenova's designed and supplied **heat treatment furnace for special steel bars**. This movable hood-type furnace is specifically designed to charge very large bars with a length of 12 meters and is equipped **with thirty-four hydrogen-ready self-recuperative burners**. These environmentally friendly burners will be capable of using up to **100% hydrogen** as a fuel source.

Tenova **self-recuperative burners** provide **energy savings** compared to traditional preheated air burners, playing a significant role in **reducing CO₂ emission levels** in steelmaking plants. In addition to fuel savings, Tenova burner flameless technology produces the **lowest NOx emission level**. Optimal thermal uniformity, extended combustion stability, advanced control technology, low maintenance costs, and continuous product evolution are Tenova regenerative burners main and distinguished features. **Flexibility in fuel combustion** is also another important advantage, as they are already designed and manufactured to be hydrogen-ready.

"The installation of a new furnace 100% H₂ ready is part of Tenaris commitment to reducing the environmental impact of its activity, embracing innovation and technological change" comments **Giuseppe Pandini**, Tenaris Senior Project Manager, *"Beside selecting the best energy saving technology for the burners, we took the opportunity of this project to make a step forward. Working with Tenova's engineering and R&D, we designed a plant ready to start the substitution of natural gas with hydrogen as fuel for our industrial furnaces"*.

"We are particularly proud to be part of this new investment by TenarisDalmine, that confirms Tenova's continuous innovation for higher efficiency and sustainable solutions", said **Marcello Tomolillo**, Customer Service Manager at Tenova Italimpianti.

With this investment, Dalmine will produce **high-grade special steel** resistant to corrosion in carbon dioxide and hydrogen sulphide environments. The special steel product will also be used for renewable energy technologies such as geothermal wells.

Tenova's equipment will start production within the first half of 2022.

About Tenova

Tenova, a Techint Group company, is a worldwide partner for sustainable, innovative and reliable solutions in the metals and – through the well-known TAKRAF and DELKOR brands – in the mining industries. Tenova leverages a workforce of over 2,000 forward-thinking professionals located in 19 countries across 5 continents, who design technologies and develop services that help companies reduce costs, save energy, limit environmental impact and improve working conditions.

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