

## PRESS RELEASE

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Contacts:

Sara Secomandi, +39 0331 444 111, [communications@tenova.com](mailto:communications@tenova.com)

### Tenova Successfully Starts up two New Walking Beam Furnaces at Ternium Pesqueria

**Castellanza, August 04, 2021** – Tenova, a company specialized in sustainable solutions for the green transition of the metals industry, successfully started up two 400 t/h **walking beam furnaces (WBF)** at the new **Ternium hot strip mill facility**, located in **Pesqueria (Mexico)**. Ternium is a leading company in the Americas that manufactures and processes a wide range of high quality steel products.

The advanced features of the two state-of-the-art technology WBFs provide **reduced emissions and energy savings**. The furnaces are designed to heat steel slabs (up to 39 t) at 1,250°C, with a specific consumption of 1.16 MJ/Kg, while keeping NOx emissions lower than 60 ppm. This emissions level is well below the required limit, like no other solutions available on the market.

The furnaces features include the novel **SmartBurner Monitoring System (SBMS)**, which enables the monitoring and optimizing of the burner's performance, operation and maintenance. The SBMS is a network of embedded sensors connected to the **Tenova Digital Infrastructure**, through secure connection protocols and intrinsic system reliability. The collected data is post-processed locally on an edge computing unit as well as remotely on the Tenova Cloud. By constantly monitoring the status of the burner, the SBMS offers **breakthrough approaches to inspection, maintenance and tuning**, as well as **reducing safety risks** related to on-site operations.

*"The Ternium Industrial Center started its first phase in 2013 focused on downstream products as cold rolled and galvanized for the industrial market. Now, we have started up the main production line of the 2nd phase, a new hot rolling mill with a capacity of 4.4 million tons", said **Paulo Lopez**, Pesquería Plant Director at Ternium. "The two new WBFs are part of the plant's new lines and will produce coils to be used in the automotive market in the USMCA area, granting Ternium an increased access in this sector".*

*"This new Tenova equipment joins the previous walking beam furnaces built for Ternium at its plants in San Nicolas, Argentina and in Monterrey, Mexico, confirming the fruitful collaboration between the two companies of the Techint Group for this type of application. This represents an important new reference for Tenova in the reheating furnaces market", stated **Nicola Cavero**, Senior Vice President Tenova Italmimpianti.*

#### 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 2,300 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.

For more information, visit [www.tenova.com](http://www.tenova.com)