

## PRESS RELEASE

---

Contacts:

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

### Tenova to provide state-of-the-art steel technology for Ternium's new investment in Pesquería

**The recently announced Ternium investment in Pesqueria, Mexico plant will use Tenova's latest technologies.**

**Castellanza, October 16, 2023** - Tenova, a leading company specialized in sustainable solutions for the metals and mining industries, will supply some of its most innovative technologies to the steelmaker Ternium for its new state-of-the-art steel mill in Pesquería, Mexico. The construction of the new plant involves a series of investments totalling 2.2 billion USD. This project has been conceived to integrate Ternium's downstream operations in its Pesquería facility in Mexico, using the latest technologies while complying with USMCA's "melted and poured" rule of origin, as well as advancing the company's 2030 decarbonization commitment.

Tenova's scope of work includes a **Direct Reduction (DR)** plant with integrated **Material Handling System (MH)** complete with **Stockyard/Train Unloading Equipment**, an **Electric Arc Furnace (EAF)** equipped with **Consteel®** and **Electromagnetic Stirrer Consteerrer®**, two **ladle furnaces (LF)**, and a **fume treatment plant** that guarantees a total production capacity of 2.6 million tons of high-quality steel for the automotive sector.

The MH system will be designed to feed the DR plant with the specified flow and quality of iron ore and will also provide handling and storage for DRI production. It will also ensure safe and reliable operations, including advanced dedusting equipment specifically designed to minimize pollution and drastically reduce impact on the environment.

The DR plant, based on the cutting-edge **ENERGIRON®** Direct Reduction technology jointly developed by Tenova and Danieli, will directly charge the Consteel® EAF with the hot DRI, thanks to the well-proven **Hytemp® pneumatic transport system**. This guarantees that the total process is extremely energy efficient. The main feature of the plant is also its charging flexibility: in fact, the EAF can also be fed with scrap in variable percentage, in addition to hot DRI. Additionally, the DR plant includes a **carbon capture technology** and is prepared for **use of hydrogen**, offering the most sustainable solution in steelmaking available on the market.

The EAF is also equipped with the innovative electro-magnetic stirring system **Consteerrer®**, developed through an exclusive global partnership with **ABB**. It will offer lower operating costs, more reliable and safe operations, as well as the production of top-quality steel, essential for the e-mobility development. For leakage detection and prevention of damages, the EAF water cooling circuits are equipped with Tenova's **Safe + technology**.

*"We are delighted to be part of Ternium's largest investment plan to date and to accelerate its path towards decarbonization", said **Roberto Pancaldi**, Tenova CEO. "We share with the company the same ambition to create and blaze new trails for green steelmaking. This project offers the ideal environment for a proficient collaboration in which to combine some of our most sustainable technologies within the most modern facility on the continent".*

**About Tenova**

*Tenova, a Techint Group company, is a worldwide partner for sustainable, innovative and reliable solutions in the metals and – also 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).