

PRESS RELEASE

Contacts:

Sara Secomandi, +39 0331 444 111, communications@tenova.com

A New Tenova EAF will be Supplied to Valbruna ASW Inc. in Canada

Castellanza, December 03, 2020 - Tenova, a leading company specialized in innovative solutions for the metals and mining industries, was awarded a contract by **Valbruna ASW Inc.**, for the supply of a new **EAF (Electric Arc Furnace)**. Valbruna ASW Inc. is a premier specialty steel-maker and the EAF will be installed at its facility located in Welland, Ontario (Canada).

The scope of the supply includes **the latest generation of the EAF unit**, which will replace the existing one. Tenova will also provide the associated auxiliary equipment, the material handling system, including bins batteries, hoppers and conveyor belts, for the charging of the ladle and of the EAF and the complete automation system. The complete management of this plant will be fully automatized and integrated in the new the EAF process control system.

The new EAF will guarantee thus an **increase in the plant's hourly melt shop production rate** and the **effectiveness and reliability** in the production of high quality steel and stainless steel.

The new **automation system** brings several advantages, which will considerably enhance the level of **efficiency** of the plant. In particular, it guarantees the correct and effective execution of the working cycle in relation to the production of different steel grades. It also optimizes the working parameters and the storage of production data. In addition, the **safety** of the operators in the plant is significantly improved and the system complies with the most stringent safety standards.

The new EAF will be equipped with Tenova's state-of-the-art **electronic regulation TDRH 4.0** (Tenova Digital Electronic Regulation) system. TDRH 4.0 can provide a significant reduction in the electrical consumption of the EAF itself and ensures excellent arc stability. This updated version has additional features mainly dedicated to self-diagnostic, faults identification and compensation, as well as auto-calibration (self-learning) and adjustment of the regulation parameters. These functions aim to preserve the optimized electrodes regulation performances over the time.

"Our long-lasting relationship with the Valbruna Group is witnessed by several projects in its plants in Italy (Vicenza and Bolzano), where we implemented some of our technologies to increase safety, sustainability and production", stated Marco Longobardo, Digital Products Manager in Tenova. "This is also the aim of this new project in Canada, where the plant will be a technological reference in North America for the production of stainless steel."

About Tenova

Tenova, a Techint Group company, is a worldwide partner for innovative, reliable and sustainable solutions in metals and mining. Tenova, including its TAKRAF affiliates, leverages a workforce of over 2,500 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