

PRESS RELEASE

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Start-up of the new Tenova Consteel® EAF at Arvedi Plant, Cremona, Italy

Castellanza, September 30, 2020 – Tenova, a leading company specialized in innovative solutions for the metals and mining industries, started up the most productive Electric Arc Furnace in history, a Tenova Consteel® EAF, at **Acciaieria Arvedi**, Cremona (Italy) on September 18 this year.

This record-breaking melting unit replaces the existing Consteel® furnace, originally installed in 2008. The furnace has a tapping size of 300 metric tons and is designed to reach a power-ON time of 37 minutes with a charge mix including up to 30% HBI or other scrap substitutes.

The outstanding productivity performance of the new Consteel® EAF has been designed with the aim to meet the increased demand of the recently revamped continuous casting and rolling mill line of the steel plant. This output has never been achieved before by a single EAF worldwide, and it is made possible thanks to the proprietary Consteel® continuous charging and melting technology of Tenova, complemented by Consteerr®[®], an innovative electro-magnetic stirring system, jointly developed with ABB.

*“Thanks to the cooperation between the Tenova project team and the plant personnel of Acciaieria Arvedi, we were able to witness a seamless startup of such an impressive machine”, said **Silvio Reali**, Tenova Senior Vice President. “We are currently proceeding, also on the basis of the recent reconstruction of the cooling towers, with a very quick ramp-up phase. After just a few days from the start-up, the furnace is already operating on three shifts achieving high production rate and performances.”*

The furnace has a 9,1m diameter shell and is continuously fed by a 4m wide Consteel® slip-stick conveyor. The furnace is also equipped with a state-of-the art level 1 and level 2 automation package.

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.

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