PRESS RELEASE

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Tenova LOI Thermprocess receives the order for the modernization and extension of the existing recycling shop by E-MAX, NL

Essen, January 13, 2021 - **Tenova LOI Thermprocess**, one of the leading suppliers for heat treatment systems as well as for recycling plants of contaminated aluminium scrap, has received a new order from the Belgian E-MAX group. The contract includes engineering, supply, erection and commissioning of a Twin-Chamber Melting Furnace TCF® and a Melting and Casting Furnace MCF for the production upgrade and modernization of the E-MAX Kerkrade plant. The existing plant equipment was supplied and installed by LOI Thermprocess in 1990 and it is still operating with reliable performances.

E-MAX PROFILES delivers sustainable, high-quality aluminium profiles to various sectors of the aluminium market. The Dutch branch E-MAX Billets in Kerkrade was established in 1990 and is the central operation plant in the E-MAX group for the production of extrusion billets. One of the main targets of this project in addition to the increased production is the sustainability of the process, with a minimization of environmental impact.

The new Twin-Chamber Melting Furnace TCF® will have an annual production capacity of 50,000 tons of liquid aluminium based on a scrap charge mix with organic contaminations. The furnace is equipped with LOI's regenerative heat recovery system CCR, an electromagnetic stirrer for metal circulation and an automatic charging machine. A fume treatment plant, transfer launders and other equipment are also included in the scope of supplies.

In addition, the order comprises a tiltable Melting and Casting Furnace MCF with an annual production capacity of 25,000 tons of liquid aluminium and related equipment. As a new technology, this MCF can melt scraps with light contaminations of organics. Special processing ensures less metal loss and reduces overall emissions.

Compared with former installations, the efficiency of the modern TCF® technology allows for the treatment of higher contaminated scraps. At the same time, the consumption of natural gas and the metal loss are reduced by 50%. The plant commissioning is scheduled for beginning of 2022.

"With the development of low carbon X-ECO alloys which are produced with up to 85% scrap charge in the new furnaces, we realize minimization of environmental impact and sustainability of the process" explains **Carlos Kampen,** Project Manager at E-MAX Billets. *"We selected Tenova LOI Thermprocess thanks to their innovative technology and the reliability of the furnaces supplied in 1990. We look forward to starting the operation of the first new furnace in the beginning of 2022."*

"*We are very pleased about this new order which confirms the trust in this leading Tenova technology and underlines our long term strategic partnership with E-MAX*", said **Hartwig Thie**, Sales Manager Light Metals at Tenova LOI Thermprocess. "*The upgraded plant will ensure the highest quality and environmental standards that our customer is aiming for."*

Picture Tenova LOI Thermprocess TCF®

https://sustenovability.tenova.com/Tenova-Twin-Chamber-Melting-Furnace.php

About LOI Thermprocess GmbH

Tenova LOI Thermprocess GmbH is one of the leading companies in supplying industrial furnace systems for the heat treatment of metals. Worldwide clients from the steel, aluminum and automotive industries rely on the experience and technical solution competence of the traditional company representing the entire know-how in the field of material properties and secondary metallurgy. Tenova LOI Thermprocess is a trademark of Tenova, a Techint Group company. www.loi.tenova.com

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