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Alunorf orders twin-chamber melting furnace (TCF) from Tenova LOI Italimpianti

Essen, August 2008. Alunorf GmbH, Neuss, the world's largest aluminium rolling mill, is investing in highly advanced plant technology for aluminium recycling. As a key component of its plant, Alunorf has selected LOI Thermprocess recycling technology.

LOI Thermprocess, a Tenova LOI Italimpianti company, has been awarded a contract to supply a twin-chamber melting furnace (TCF). The recycling system will be designed for a capacity of 150 tons of molten metal per day, produced entirely from aluminium scrap.

Various types of aluminium scrap are to be melted and the molten metal will be used to produce new rolling ingots.

LOI Thermprocess equipment was chosen for the project because of its outstanding performance and its environmentally compatible, energy-efficient operation.

Contaminated scrap does not require pre-treatment. The integrated waste gas treatment system ensures that pollutants are reliably and effectively combusted. The recycling furnace is equipped with a regenerator system ensuring a high level of waste heat recovery from the waste gas. The cooler, reduced waste gas flow reduces the capital expenditure for the filter system. In addition, the LOI regenerator system rapidly cools the waste gas, improving the environmental compatibility of the plant.

The recycling plant is due to be commissioned in the autumn of 2009.



LOI Thermprocess TCF furnaces are used throughout the world for aluminium recycling and currently produce about 1,500 tons of molten metal per day.

Tenova LOI Italimpianti is a leading supplier of industrial furnaces and services for the metal industry. Tenova designs and supplies advanced technologies, products and services for the metal and mining industries. Tenova operates close to its customers through a network of 30 companies based on the 5 continents. For more information visit our website at www.tenovagroup.com