



PRESS RELEASE

ANDRITZ to supply heat treatment plant for SIJ Metal Ravne, Slovenia

GRAZ, FEBRUARY 27, 2020. International technology group ANDRITZ has received an order from SIJ Metal Ravne, Slovenia, for supply of a complete heat treatment plant, including two ANDRITZ MAERZ® double-chamber furnaces, a charging machine and high-volume quenching tanks, as well as an automation system. Commissioning is scheduled for the second quarter of 2021.

With this investment, SIJ Metal Ravne will receive a special furnace for the most demanding heat treatment of products used in the energy sector, the aircraft industry and other special applications for which the company plans growth in the coming years in line with its business strategy.

Each ANDRITZ MAERZ® double-chamber furnace consists of a high-temperature furnace (650 to 1,220°C) with recuperative burners and a low-temperature furnace (200 to 830°C) with forced circulation. Both furnace types meet the qualifications for AMS 2750 E classification 2, which requires very high precision in the thermal process (+/- 6°C).

The charging machine is designed as a portal-type unit for handling charging material up to 25 tons. The high-volume quenching tanks using polymer and water also comprise the complete water treatment plant and four cooling towers located outside the production hall. ANDRITZ engineers will optimize the cooling medium flow structures within the quenching tanks by using computational fluid dynamics (CFD), including conjugated heat transfer.

The SIJ Group is the biggest vertically integrated Slovenian steel producer and one of the largest producers of stainless and special steels in Europe. SIJ Metal Ravne from the SIJ Group is the third largest tool steel producer in the European Union. The company produces a broad range of more than 200 steel grades in different dimensional shapes, from carbon and alloyed structural steels to tool and special steels in the form of rolled and forged products.

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Example of furnaces with basins and charging machine

PRESS RELEASE AND PHOTO AVAILABLE FOR DOWNLOAD

Press release and photo are available for download at andritz.com/news. The photo may be published free of charge if the source is stated: "Photo: ANDRITZ".

FOR FURTHER INFORMATION, PLEASE CONTACT

Dr. Michael Buchbauer
Head of Corporate Communications
michael.buchbauer@andritz.com
andritz.com



ANDRITZ GROUP

ANDRITZ is an international technology group providing plants, systems, equipment, and services for various industries. The company is one of the technology and global market leaders in the hydropower business, the pulp and paper industry, the metal working and steel industries, and in solid/liquid separation in the municipal and industrial segments. Other important fields of business are animal feed and biomass pelleting, as well as automation, where ANDRITZ offers a wide range of innovative products and services in the IIoT (Industrial Internet of Things) sector under the brand name of Metris. In addition, the company is active in power generation (steam boiler plants, biomass power plants, recovery boilers, and gasification plants) and environmental technology (flue gas and exhaust gas cleaning plants) and offers equipment for the production of nonwovens, dissolving pulp, and panelboard, as well as recycling plants.

ANDRITZ stands for passion, partnership, perspectives and versatility – core values to which the company is committed. The listed Group is headquartered in Graz, Austria. With almost 170 years of experience, 29,700 employees, and more than 280 locations in over 40 countries worldwide, ANDRITZ is a reliable and competent partner and helps its customers to achieve their corporate and sustainability goals.

ANDRITZ METALS

ANDRITZ Metals is the technology and global market leader in forming equipment through the Schuler Group, in which ANDRITZ has a stake of more than 95 percent. Schuler offers presses, automation solutions, dies, process know-how, and services for the entire metal forming industry. Its customers include car manufacturers and their suppliers, as well as companies in the forging, household appliance, packaging, energy, and electrical industries. Schuler is also the market leader in minting technology and offers system solutions for various high-tech segments.

In addition, ANDRITZ Metals is one of the leading global suppliers of complete lines for the production and processing of cold-rolled strip made of carbon steel, stainless steel, aluminum, and other non-ferrous metals. The lines comprise equipment for pickling, cold rolling, annealing and heat treatment, surface finishing, strip coating and finishing, punching and deep drawing, and regeneration of pickling acids. The business area also supplies turnkey furnace systems for the steel, copper, and aluminum industries, burners and refractory products, welding systems, as well as comprehensive services for the metal working industry.