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OUTOKUMPU SUPPLIES STAINLESS STEEL BILLETS TO TUBACEX A LEADING SEAMLESS TUBE PRODUCER

Outokumpu today announced collaboration with Tubacex, a global leading stainless steel and high nickel alloys tubular solutions supplier. As part of the collaboration, Tubacex has used Outokumpu Therma 253 MA billets as starting material for production of seamless tubes optimized for very high service temperatures. Outokumpu material fulfilled the tough requirements of oxidation and erosion-corrosion resistance up to 1150 °C. The grade also presents excellent mechanical strength at high temperatures.

Tubacex produces hot and cold finished tubes for applications, among others, in the chemical, petrochemical and power generation industries. Production of high temperature seamless tubes is very demanding and the new product development required extensive cooperation between Tubacex and Outokumpu technical teams.

Says **Diego Herrero**, Tubacex Innovation and Technology Corporate Director: "We are very pleased with the cooperation with Outokumpu. Tubes of the for us new grade have been successfully produced and have favourably passed extensive laboratory tests. Our tubes provide excellent cyclic oxidation response at high temperatures as well as very good mechanical and corrosion properties. These characteristics are needed in aggressive environments such as production of carbon black."

Says **Olle Källgren**, Outokumpu Long Products: "Our Therma 253 MA grade can give you a longer product lifecycle compared to other products like 309S/4833 and 310S/4845. MA grades have also significantly higher mechanical strength at high service temperatures. This means you can use thinner gauges, to increase efficiency and savings on material costs, or use the same thickness with higher loads to increase productivity."

Outokumpu Therma 253 MA (1.4835/S30815) is a stainless steel product developed by Outokumpu providing excellent oxidation and creep resistance in cyclic conditions that is best employed in temperatures up to 1150 °C. There is a slight susceptibility to embrittlement during continuous operation at 600–850 °C. The grade is available in coil, sheet, plate, bar, wire rod, semi-finished long products and pipes.

Outokumpu has a century of experience creating efficient, long-lasting, recyclable stainless steels. Its global offering includes quality-critical long products for heavy industries. Outokumpu's Long Products sites are located in the UK, Sweden and the US, and are well known for high quality products, flexibility and world-class delivery performance.

For more information:

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Read more about Outokumpu Long Products offering at outokumpu.com/longproducts.

Outokumpu Group

Outokumpu is a global leader in stainless steel. We create advanced materials that are efficient, long lasting and recyclable – thus building a world that lasts forever. Stainless steel, invented a century ago, is an ideal material to create lasting solutions in demanding applications from cutlery to bridges, energy and medical equipment: it is 100% recyclable, corrosion-resistant, maintenance-free, durable and hygienic. Outokumpu employs more than 12 000 professionals in more than 30 countries, with headquarters in Espoo, Finland and shares listed in Nasdaq Helsinki. www.outokumpu.com