

## PRESS RELEASE

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# MEGASA GROUP chooses SMS group reheating technology for its Portuguesa bar mill

New walking beam furnace with ZeroFlame, DigiMod  
and SMSPrometheus systems



Since 1997, SMS group has installed 90 reheating furnaces for billets, blooms, slabs and pipes.

SMS group has been chosen by MEGASA GROUP for the supply of a new walking beam furnace to be installed in the existing bar mill of SN Seixal Siderurgia Nacional S.A. in Aldeia de Paio Pires, Portugal. The new furnace, rated at 160 tons per hour cold charged

and 210 tons per hour hot charged, will include latest technological packages developed by SMS group. Start-up is scheduled for the end of summer 2020.

In particular, MEGASA banks on the SMS Prometheus Level 2 system, the SMS DigiMod combustion management system and SMS ZeroFlame burners. The combination of these three features installed on the sturdy and reliable structure of the SMS furnace will ensure outstanding performance in terms of reductions in fuel consumption, scale formation and pollutant emissions. ZeroFlame, DigiMod and SMS Prometheus will provide reduced NOx emissions down to 90 mg/Nm<sup>3</sup>, less scale formation down to 0.4 percent, and a decrease in fuel consumption down to less than 27 Nm<sup>3</sup> per ton. With this investment, MEGASA will consolidate its leading position in the market of construction steel.

SMS group's sales and technical teams have found the right technical solution for the wide product range and the requirements of the customer. The furnace will be able to reheat billets starting from as slender as 120 millimeters up to 160 millimeters in various lengths up to 14.5 meters. SMS group will supply the furnace on a turn-key basis, including erection and supervision to commissioning.

*SMS group is a group of companies internationally active in plant construction and mechanical engineering for the steel and nonferrous metals industry. It has some 14,000 employees who generate worldwide sales of about EUR 3 billion. The sole owner of the holding company SMS GmbH is the Familie Weiss Foundation.*