

Supply of re-designed and improved EAF floor brick at short notice

RMS seeks to fully understand customer needs and problems and to develop and provide bespoke solutions that exceed expectations.

The Problem

The client, a world leading petrochemical company, did not order brick as it was not planned for from their regular supplier and the EAF was going to stand without brick for the floor.

Client Request

Supply refractory products meeting a minimum specification in the shortest lead time as the OEM supplier lead time was more than 8 weeks and based in China.

Solution

Refractory and Metallurgical Solutions designed a new king brick for the radial floor design and suggested a different quality of brick to utilise available moulds and raw material that was compatible with their process conditions. The rest of the walls and floor brick was produced as per specification. Very narrow tolerances were adhered to on sizing, to ensure minimum grinding. RMS was able to supply the correct quality of brick including manufacturing of mould parts within 8 weeks to execute the repair. The installation of the redesigned floor king brick was executed without any problems and fitted together as designed.

Results

The replacement brick was supplied within 8 weeks and the furnace was repaired with-in the planned downtime. The furnace was recommissioned in November 2018 and is operating at capacity.

Production losses were minimised, with performances exceeding the client's requirements.

An improved furnace hearth was designed and supplied with tight tolerances, replacing the previous precast shape with improved quality fired refractory brick.

As a local supplier, RMS demonstrated that it can assist customers at short notice from design to production, reducing downtime and improving customer revenues.



Exceeding Expectations on Refractory Solutions

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