



Poster 1

Minimising particulate emissions of sinter plant operations



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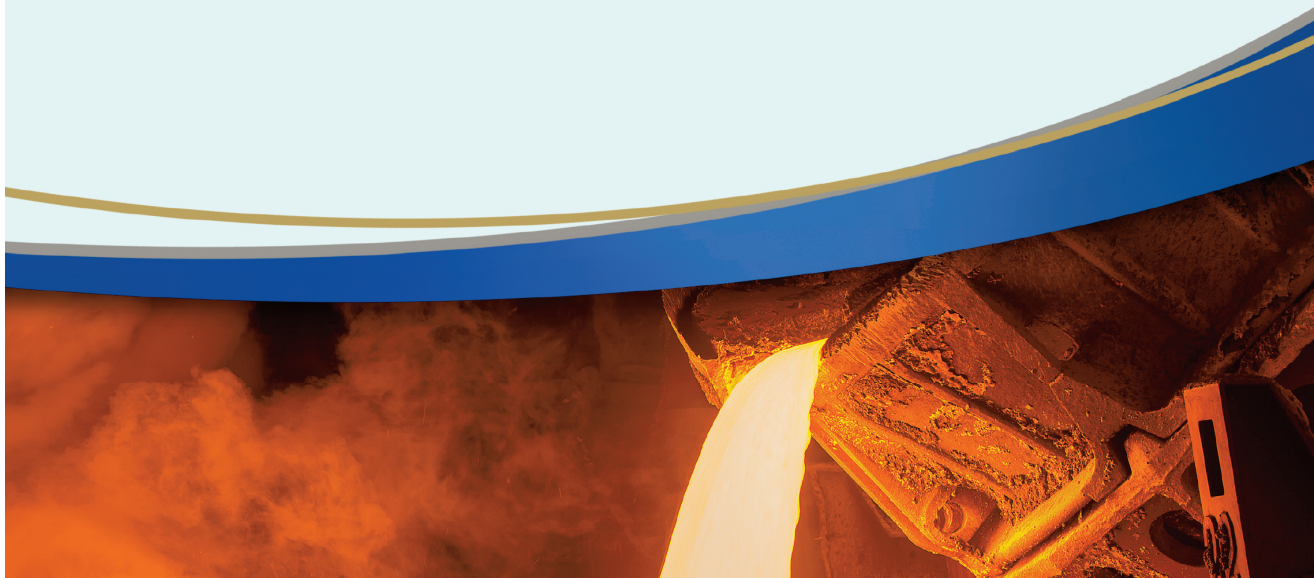
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ABSTRACT:

The principal for the long-term future of the Tata Steel integrated steel plant in Port Talbot is reliant on efficient and stable operations. However, increased production levels and stringent environmental demands have pushed the sinter plant main stack to its limits with respect to particulate emissions.

Sinter is a critical feedstock for the blast furnaces to aid the production of liquid iron for the conversion to steel. The objective is to understand the effects of chemistry of the sinter blend upon performance, product output and environment emissions. Laboratory simulation with current and modified blends with the aim to optimise accelerants and raw materials will be analysed. Full scale plant trials that results in minimised particulate emissions to comply with the new emission limit value of 40mg/Nm3 will determine if this project is successful.

POSTER EXPOSITION



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