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DUST SOX AND NOX CONTROL FROM GLASS MELTING FURNACES

ABSTRACT

A powerful technology has emerged over the last few years to control dust SOx and NOx pollutants emitted from the glass melting furnace. The new technology delivers the lowest emissions at a competitive cost from glass furnaces and has recently won the Bluetech Award from the Clean Air Alliance of China. The technology has already been introduced to China and references show the suitability for melting techniques used in here. Indeed the application and performance of the technology has enabled one glass manufacturer to continue in full production during a persistent smog alert when their neighbours have had to curtail or even cease production. This has clear and obvious benefits compared with old pollution control techniques.

The technology is applied to container glass, float lines and glass fibre production and references exist all over the world.

This paper introduces the principles behind the technological breakthrough and assesses the suitability for use in the Chinese Glass market. A brief assessment and comparison of the performance against other technologies and of the capital and operating costs will also be presented to highlight the benefits of the new technology.

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