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Dry Blast Furnace Gas Cleaning: Technology and Operational Experiences

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Dry blast furnace gas cleaning technology offers great economic advantages when compared to traditional wet gas cleaning owing to its improved energy efficiency, lower cost, reduced plot space, and practically eliminated water consumption. The Danieli Corus solution is based upon proven technology that has been applied numerous times for cleaning aluminum smelter gases and anode baking fumes. The system consists of a gas conditioning tower, reagent injection system and (pressurized) filter modules with low pressure pulse cleaning.

This article presents the advantages of the proven technology as well as operational experiences from systems commissioned for greenfield blast furnaces in India.

Primary authors: Ms BAKKER-PAEZ, Gina (Danieli Corus); Mr KLUT, Peter (Danieli Corus)

Co-authors: ADMIRAAL, Bas (Danieli Corus); ENGEL, Edo (Danieli Corus BV); Mr DE WEERDT, Jan (Danieli Corus)

Presenter: ADMIRAAL, Bas (Danieli Corus)

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