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Technological solutions for pollutants abatement in Steel Meltshop fumes

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The latest pollutants emission limits imposed by various governments are forcing some important changes in the world of fumes treatment, also in the iron and steel industry.

New technologies, already applied in other sectors, could now find their way also into this industry to comply with those regulations.

With particular focus to the treatment of the fumes from the Meltshop, Danieli is now able to propose different solutions, specifically customized according to the pollutants to be reduced and the emission targets to be achieved.

The pollutants of major concern in recent times are in particular NO_x, SO₂ and Particulate Matter (PM): indeed, Danieli has in its portfolio a variety of low impact solutions, that can ensure low to negligible emissions for all of them.

In this paper the different technological solutions proposed by Danieli are presented, together with their application in a case study.

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