

# DEDUSTING AND DEPURATION PLANTS



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**For each ton of tapped steel produced, average figures from 10 to 30 kilograms of dust are produced.**

*(source: "Production of Iron and Steel" – IPPC European Commission, February 2008).*

These numbers are strictly linked to the around conditions, such as EAF technical characteristics, quality characteristics of the scrap and of the secondary metallurgy processes.

These are very high values and for this reason meltshops need dedusting and filtration systems purposely studied to obtain the reduction of these pollution substances. On the contrary, these substances would be scattered in the atmosphere with heavy consequences on the environment and on the health of the population and of the staff.

Our mission is to **help our Customers** to reduce the environmental consequences and protect people's health at an attractive cost. This cost includes energy, maintenance operations and obviously the first investment.

The most important goals are to **respect the environmental thresholds**, to obtain high reliability, to guarantee low maintenance and low energy consumption and, of course, to respect the furnace and secondary metallurgy technical requirements.

The easiest way to obtain this is through a close collaboration with the Customer.

**PERTECO** designs and supplies **dedusting treatment plants** for steel meltshops with primary and secondary metallurgy.

The main activities that **PERTECO** is able to provide are:

- *Engineering (Process, Mechanical, Electrical and Automation)*
- *Project Management*
- *Supply of Equipments*
- *Supply of "Turn-key" Plants*
- *Services (supervision to erection, commissioning and start-up)*
- *Revamping of existing plants*



