For more than 10 years, Maguin has been working in the field of industrial flue gas cleaning. Maguin has developed its know-how in the dry 'high temperature' treatment of the main atmospheric pollutants; particles, acid gases and nitrogen oxides and, for particular applications, the capture of heavy metals and the elimination of dioxins and furans.

Maguin offers a **complete range** of air pollution control solutions complying with the most stringent regulations and emission standards.

In particular, Maguin offers the CerCat filter, equipped with catalytic ceramic fiber media allowing simultaneous treatments: dedusting + DeSOx + DeNOx in the same unit.

Lately, the CERCAT® technology **has been chosen by major players and is operating successfully** in different fields of application such as incineration, glass industry...

**HOW TO TURN COST INTO PROFIT**

In conjunction with the purified gases, Maguin also offers solutions to optimize energy recovery with:

- Steam production
- Hot water production
- Electricity production
- Raw material pre-heating

**ADVANTAGES**

- High efficiency dust collection
- Large range of temperature
- "All in One" solution for:
  - NOx treatment
  - Dust removal
  - Acid gases neutralisation
- Compact installation
- Optimisation of reagent consumption
- Optimisation of energy recovery
- Reduced investment compared to classical solution
MAIN FEATURES

- Wide range of temperature: from 180 °C to 400 °C
- For the treatment of:
  - NO\textsubscript{X}: up to 95 \% removal thanks to reduction on catalyst
  - Acid gases (HCl, SO\textsubscript{2}, HF): optimal neutralisation thanks to the filtration cake created on the ceramic candle – 95 - 98 \% removal
  - Dust: increased filtration efficiency even on ultrafine particle matters

FIELDS OF APPLICATION

- Glass industry
- Industrial waste incineration
- Municipal waste Incineration
- Slaughterhouse and by-products incineration
- Sewage sludge incineration
- Biomass power plant
- Cement industry
- Chemical industry
- Steel industry

YIELD ON DIFFERENT POLLUTANTS ACHIEVED WITH OUR CERCAT\textsuperscript{®} FILTER

<table>
<thead>
<tr>
<th>Application</th>
<th>Dust (mg/Nm\textsuperscript{3})</th>
<th>SO\textsubscript{2}</th>
<th>HCl</th>
<th>NO\textsubscript{X}</th>
</tr>
</thead>
<tbody>
<tr>
<td>Glass Industry</td>
<td>250</td>
<td>&lt;2</td>
<td>1700</td>
<td>&lt;5</td>
</tr>
<tr>
<td>By-product incineration</td>
<td>725</td>
<td>&lt;1.5</td>
<td>870</td>
<td>&lt;10</td>
</tr>
<tr>
<td>Meat and Bone Meal incineration</td>
<td>5000</td>
<td>&lt;1</td>
<td>800</td>
<td>30</td>
</tr>
<tr>
<td>Fumes from engines</td>
<td>*</td>
<td>*</td>
<td>*</td>
<td>*</td>
</tr>
<tr>
<td>Contaminated soil</td>
<td>7000</td>
<td>&lt;2</td>
<td>*</td>
<td>*</td>
</tr>
</tbody>
</table>

* Limit emission values not requested by regulation.