

CASE HISTORY



Product: OILSCREEN
Problem: Oily emissions
Sector: Coating

The customer:

The customer was one of the first Italian companies in the heat treatment sector to adopt vacuum technology, and has been in the Italian and European markets for more than thirty years. The company performs steel hardening, brazing, sintering, plasma nitriding, surface annealing and PVD coating processes. The main fields of application are in the following sectors: Aeronautics - Underwater equipment - Racing - Gas turbines - Moulds - Food. The company is certified and sensitive to environmental issues, as well as those of its customers.

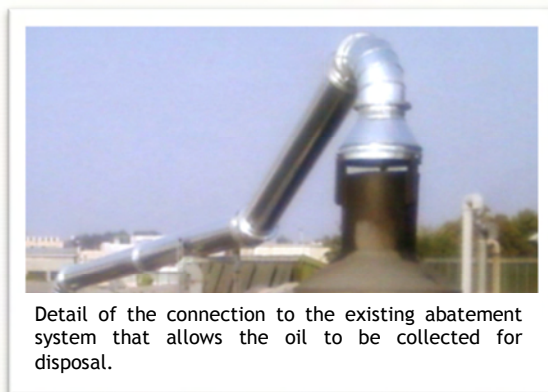
The problem:

The company, who develops oxygen-free heat and thermochemical metal treatments, approached Tecnosida® with the aim of reducing the release of oil vapours from the current value of 20 mg/Nm³ to 10 mg/Nm³ (as required by law).

The solution would also have to be related to, and interact with, their existing treatment system located on the factory roof.

The proposed solution:

Following an adequate inspection, Tecnosida® recommended using an **Oilscreen** filter, which uses coalescence filtration technology to separate and collect the microscopic oil particles in the emissions, allowing the customer's goal to be reached.



Plant data	
Year	2010
Capacity	6,000 Nm ³ /h
Installed power	11 kW
Pollutant concentration	Better than requirement