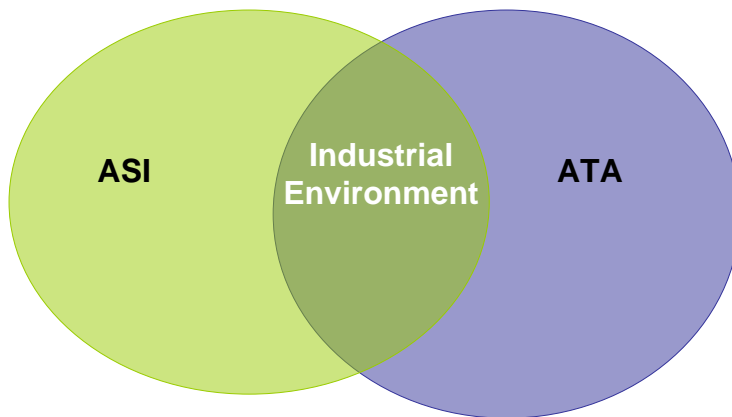


Industrial Environment Description

The Industrial Environment is a course of action of CTM Technological Centre that began in 2005 from the integration of the R & D capacities of the Area of Environmental Technology (ATA) and of the knowledge of consultancy and advice for the industrial network in the Area of Support for Innovation (ASI).



Therefore, the Industrial Environment counts with highly qualified professionals as well as with the modern scientific and technological infrastructures of the centre. All of these aids in the undertaking of innovation projects related to environment management, including different fields such as the management of industrial waste, the management of contaminated soil, the issues regarding industrial sewage process waters, as well as emissions

Since it was created, numerous projects for companies such as the evaluation of moulding sand as a subproduct in other production processes have been carried out. Also, important developments have taken place in the improvement of the industrial processes which have reduced costs not only economically speaking but also from an environmental point of view.

Advice on environmental issues to companies

- The solving of issues regarding waste management (e.g.: evaluation and management of moulding sand)
- The solving of issues regarding the presence of contaminants in sewage waters.

- **Environmental Innovation Projects** Collaboration in the development and optimisation of products for the treatment of waste waters. Optimisation of the resources and promotion of the creation of new business trends and of products in relation to the waste generated in the production process (Methodology OPTIMNOVA)**MESVAL**: The setting up of scientific and technological basis and strategies in the search for new ways of evaluating industrial wastes in each region. MESVAL is situated in the field of Industrial Ecology and seeks to promote the exchange of wastes between productive activities with the aim of contributing to the sustainability of the network.
- **RESGAS**: Has the aim of analysing the relations between the climatic change and waste management. Seeks to develop a methodology that will be applied later in Spain for evaluating the influence of waste management in the emissions of greenhouse gases.

Support in the negotiation and the obtaining of aids and subsidies.

1. Preparation of strategical tools for environmental management

- Preparation of different methodologies for helping the companies implementing systems for environmental management, for example:
 - **ECOTEC**: Method which enables the improvement of safety during the design stage of new machines and avoids costs related to protection measures for the reduction of the risks following the validation of prototypes as well as complying with all applicable legislation for safety and health at work.
 - **AMBIGEST**: Seeks to improve the environmental management of the company by means of an application software which enables the collection, organisation and control of all data, documents and activities of the system of environmental management. The application complies with regulation NORMA-UNE-EN ISO 14001:2004
 - **RECONS** (Reducing the environmental impact of construction): Cooperative environmental management system adapted to the construction sector.

3 Strategic advice in environmental legislation

- Realization of environmental proceedings and declarations: Annual Declaration of Industrial Wastes (DARI), Declaration of the Use and Contamination of Water (DUCA), appropriate for the Law 3/98 for the Integral Intervention of the Environmental Administration (IIAA), etc...
- Advice for the compliance of the Royal Decree 117/2003 related to the limitation of volatile organic compounds resulting from the use of solvents in certain activities.
- Advice for the compliance of the Royal Decree 9/2005 which establishes the list of activities potentially contaminant for the soil and the criteria and standards for the declaration of a contaminated soil.

2. Environmental Training

- General training focussed on present environmental necessities.
- In company training specially designed to cover the requirements of the different companies.