

## Sustainable development

In IDALSA we are proud of our environmental management with the residues generated in our refinery .

The secondary industry of the aluminum has a specific residue: the saline dross, the cake of salt, the salt cake

This residue is a mixture of the flux utilized (salt and potash chiefly) and of the oxides of aluminum that, as unproductive part, they contain the scrap, residues or you exorcise of aluminum that recycle themselves.

In IDALSA, our technology permits us to apply the best technique: the minimización in origin reducing year after year the residue generated by each ton recycled. This themselves due to the introduction of **Tilting Rotatory Furnace (TRF)** that consume less you leave and, consistently, they eliminate less saline dross. IDALSA complies all the above-mentioned legislation to residues, so much the laws on residues as the laws on dumps. IDALSA counts on all the authorizations and exactable environmental licenses for the operation of the installations located in Pradilla of Ebro (Zaragoza), integrated fundamentally by a secondary aluminum production plant and a **dump** of dangerous residues.

IDALSA, continuing the guidelines of the Document of reference of **Better Available Techniques** in the not Ferrous Metals Processes Industry, acquaintance comoDocumento Bref has introduced the technology of oxicombsión, with what reduces the consumption of energy; does pre-processing of commodities, that is to say, not of the saline dross but of the dross of aluminum that they come him from the factories of primary with which already is reducing and it reduces residues; does processing of the saline dross collecting and recovering the aluminum that have more all the metals that contain for electromagnetic methods before its poured in the dump that is perfectly legal since the point of view of the norms; does processing of gases of the oven grasping them by means of filters of sleeves and has incorporated to its process **Tilt rotary oven** (TRO) with which also minimizes, On the one hand, you leave them flux in origin and, on the other hand, the resultant saline dross.

IDALSA, at the present time and with the present technique and the investigations that at the present time exist in relation to saline dregs applies the best method than it exists to follow the policy of the frontispiece of the European Union: the protection of the environment and the protection of the health of the people who are in their surroundings. The management of the depleted fraction final resultant by means of its elimination in garbage **dump** of dangerous residues, is the unique technique available to day of today, in economically viable conditions.

The action of IDALSA in the facilities located in Pradilla de Ebro, and especially the one to manage by means of deposit in controlled **landfills** obtained depleted fraction after the milling of resulting saline dregs of the process of aluminum production (and the consequent extraction of the salvage), fulfills the exigencies established so much in the legislation on residues like in the one of integrated prevention and control of the contamination (IPPC).