ALCUTEC Engineering GmbH

Aluminium Solution Provider

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Engineering
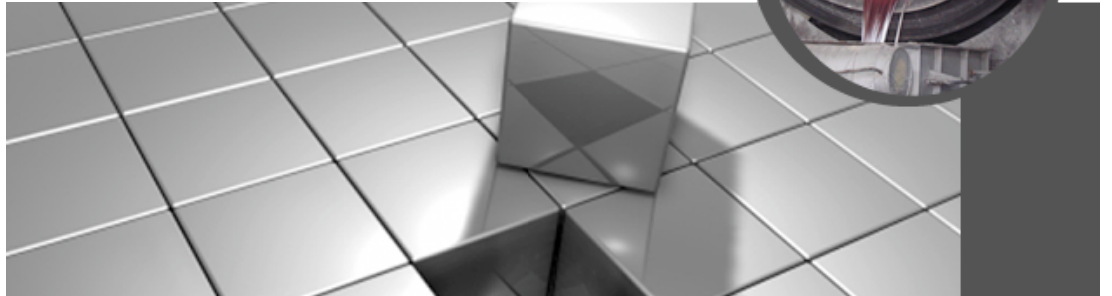.Basic engineering
.Detail engineering

Products

Supplies

Services

Basic Engineering

Something the old Greek philosophers knew already is: The whole is more than the mere sum of the individual constituents it consists of... This applies fully to the processing plants of the secondary aluminum industry as well. The technologies used for individual plant components of, say, smelters, which are often very advantageous, can only take full effect in combination with the other plant components, when they are linked with each other. This requires, of course, to have due regard to the external conditions, as they arise from the intended production program as well as from the availability of raw materials and supplies. There are a number of further factors that need to be considered, in order to arrive at an economically and ecologically viable project. A company will necessarily have to analyze all contributing factors before the construction of a plant can commence, in order to ensure its commercial success.

This requires to collect all necessary data and to evaluate them in accordance with the definition of the project target. At the same time it will be necessary to select the most advantageous and beneficial technologies for the intended application. It will then be possible on the basis of the collected data and by taking the specified parameters into account, such as the product to be manufactured, the raw materials available and the production capacity, to develop a plant strategy and to translate it into the relevant plans. The investment and production costs can now be established for a feasibility study on the basis of these engineering tasks (basic engineering, conceptual engineering, feasibility engineering).

ALCUTEC is able to help all those companies during this project phase which intend to erect an aluminum recycling plant to and can offer assistance in preparing the plans and in compiling the relevant data and costs.

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CONCEPTUAL DESIGN → FEASIBILITY ENGINEERING → O.K. — NO / YES → BASIC ENGINEERING → DETAIL ENGINEERING