

Gökhan KÜRŞAT DEMİR

ETİ Alüminyum A.Ş.

ETİ Alüminyum A.Ş., Pioneering the Metal and Powder Technology

Abstract

As Turkey's only integrated aluminum plant capable of aluminum from ore as well as handling production from mining to final product, Eti Alüminyum A.Ş. (ETİ) contributes significantly to the regional and national economy. ETİ, the only primary aluminum producer in Turkey, was taken over by Cengiz Holding in 2005 within the scope of privatization. The plant is still being renovated and has been almost rebuilt from scratch with an investment of USD 580 million since privatization. After almost facing closure during the privatization period, ETİ today provides 10% of Turkey's aluminum at its Konya Seydişehir facilities.

While the renovation work increased energy efficiency by 15%, new technologies commissioned in mid-2015 increased the production capacity of ETİ to 82,000 tons. Annually, the plant can treat 550,000 mt of bauxite ore and produce 160,000 mt of cast products as well as 260,000 mt of aluminum oxide (alumina) using 400,000 mt of aluminum hydroxide produced at the plant. Besides, energy efficient, human and environment friendly technologies, ETİ gives priority to research and development studies as well. Adopting the manufacture of value added advanced products which are completely exported as a principle, ETİ has developed several grades of aluminum hydroxide and alumina products for mainly ceramics, refractory, semi-conductors, high voltage insulators, glass, glaze and frits, polishing and abrasives, plastics, composites, adhesives, artificial marbles. In this paper, alteration of production and management milestones and achieved product portfolio are introduced.