

Towards the smelter of the future

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Abstract

Latest up to date aluminium smelters are the ultimate result of 150 years evolution. During that time, such considerable improvements have been made in energy consumption, productivity or environmental footprint that one may wonder if there is still room for progress. Rio Tinto vision goes beyond incremental improvement towards the smelter of the future, a step change to be materialized in a not so distant future.

Keywords: Future aluminium smelters; energy consumption; productivity; environment.