

## One of the World's top three modern Aluminium Smelters – Key Facts:

### Producing:

1 Million Metric tonnes of Aluminium  
30 million Gallons per day of Water  
2350 Megawatts of Electricity

### Revenue:

Approx. 3 Billion USD

### Managed Goods + Services spend:

Approx. 1 Billion USD

### Number of Employees:

Approx. 4 000

### Number of Materials:

Approx. 100 000

### ERP System/s:

SAP ECC 6.0

### Level of Operations Knowledge:

Extremely High. Quality-focused organization with operational strength

### Refresh Usage:

Refresh Desktop for all cleansing  
Refresh Server for material create / change governance workflow

### Live with Refresh since:

2010

### Current Status:

All new materials created in SAP today through Refresh Server  
All key material groups cleansed in Refresh Desktop

### Sites Live with Refresh:

Entire 6km2 site including:  
Aluminium Smelter & Casting Ops.  
Carbon Plant  
Power Station  
Desalination Plant  
Warehouses & Storage  
Shipping Port  
Offices & Administrative functions

### Refresh Languages:

English

### Deployed Refresh Standards:

eOTD ISO 8000, UNSPSC, eClass  
Intrastat / HS Code (Harmonized System Code / HTS Code  
Harmonized Tariff Schedule  
Internal SAP Material Group



# Refresh™ Software Customer Case Study: Top 10 Global Aluminium Company



### Business Challenge:

With more than 30 years of excellence in high quality aluminium production, the company expects the same high quality standards from its master data. Being the world's largest single site aluminium smelter with a captive power station means having close to 100 000 material masters in one SAP plant. The major facilities spread over 500 hectares (six square kilometers) include a one million metric tonne per-annum primary aluminium smelter, a 2350 megawatt power station, a 30 million gallon per day water desalination plant and a significant shipping port. In 2006 the company had implemented SAP and was dealing with the practical challenges of how to leverage the system to achieve its expected benefits. A previous effort of outsourcing the material data cleansing to a well-known off-shore data cleansing company had not achieved the level of quality desired and so the main problem remained:

**How best to increase the data quality of the existing materials, especially with consistent commercial and technical short and long descriptions & characteristics?**

A detailed RFQ was issued seeking software to bring existing materials to the desired level of quality "once and for all", as well as get new materials created "right-first-time". Software vendors from all over the world competed for the work.

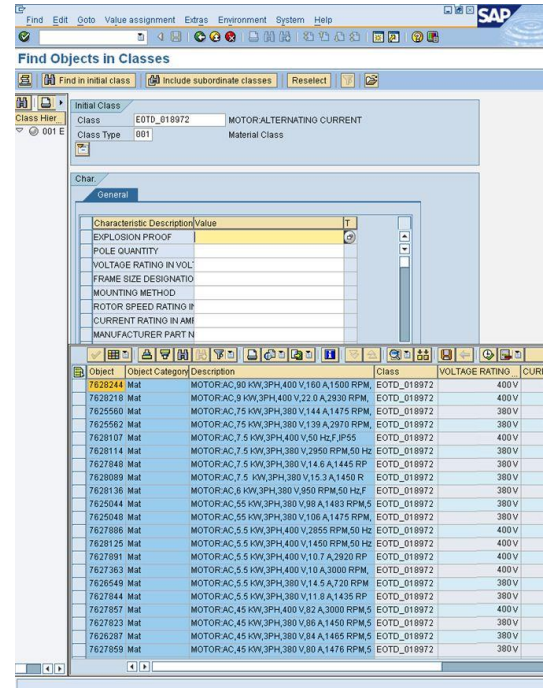
*"You demonstrated a high degree of professionalism and keen interest in supporting the project."*

Head of Maintenance Planning & Reliability

### The Solution:

Refresh Desktop was deployed within one week of purchase with the operations and IT teams participating very actively in the kick-off workshop. Refresh Server was customized to automate & replace the 5 level paper-based approvals process which had previously been in place.

But some of the most outstanding work was done by the local maintenance team using Refresh Desktop to cleanse key material groups such as electric motors. This was done by auto-generating 100% consistent SAP short, long and PO texts. These texts were generated from standardized motor attributes, some of which were mined out of Refresh from part numbers or unstructured texts from the original SAP and legacy systems. This gave true data excellence:



*"On behalf of our management and all team members I would like to express my gratitude to yourselves for your outstanding work you delivered"*

Head of Maintenance Planning & Reliability

### Key Business Benefits:

- + Easy to find, share and purchase all materials correctly
- + Reduced working capital, duplicates and obsoletes
- + Reduced off-contract spending, better spend visibility
- + IT lowest total cost of ownership: fully re-used ERP
- + Strong foundation for continuous improvement in PM