



## Leading Global Non-Ferrous Metals Company

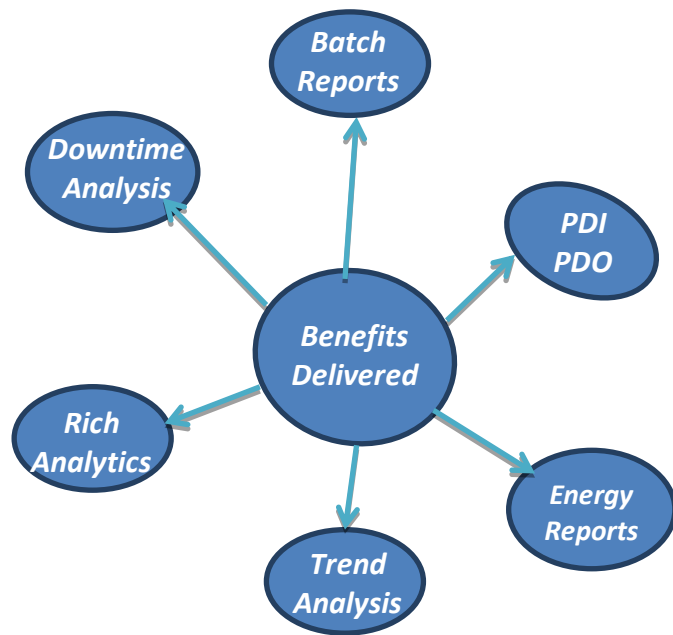
### Client Profile

One of the largest integrated primary producers of aluminium in Asia. With a pan-Indian presence that encompasses the entire gamut of operations, from bauxite mining, alumina refining, aluminium smelting to downstream rolling, extrusions and recycling, the company holds a leadership position in aluminium and downstream value-added products in India.

### Problem Statement

In their rolling mill complex, which is the largest such facility in India, the process flow from Ingot to Packaging involved 10 process steps which were controlled by respective controller platforms and SCADA. The production order details and the corresponding production status were also completely manual with the Production Plan residing in their Oracle ERP.

The client wanted a single repository of all Production Orders, Batch Data and Process Data along with Downtime details and Quality available to various users on both real time and historical basis. The client also wanted a bi-directional integration of the shop floor application with Oracle ERP facilitating Process Data Input and Process Data Output integration



### Solution Landscape

Greenwave Consulting team devised an architecture that facilitates PDI-PDO integration with Oracle ERP on OPC framework and extended the same to Rockwell's factory Talk VantagePoint EMI Analytics platform. With data from individual process controllers getting stored in a central, SQL database, various user across departments are able to derive diverse reports and trends on the VantagePoint portal and thus benefitting from having production and operations data at their fingertips

#### Technology Snapshot

- Rockwell FactoryTalk Vantage Point Enterprise MI Platform
- Rockwell FactoryTalk Transaction Manager
- Rockwell Factory Talk View SCADA
- Greenwave's Data Extractor API
- Complete L3/ L4 Reporting



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