# Emirates Aluminum Phase I – Plant-wide SCADA Integration

## General:

**Client:**
Emirates Aluminum (EMAL)

Emirates Aluminum is an aluminum conglomerate with interests in bauxite/alumina and primary aluminum smelting.

**Location:**
Abu Dhabi, UAE

**Completion Date:**
December 2014

**Consultant:**
SNC Lavalin

**Contract Type:**
Integration of all Sub-systems Supplied by OEM Plant-wide into a 3 Central SCADA Systems.

## Project Scope:

The Emirates Aluminum Company Ltd. (EMAL) was formed in 2007 to construct an aluminum smelting plant at Taweelah, in the Emirate of Abu Dhabi. It is a $US5.7 billion joint venture between Dubai Aluminum Company and the Mubadula investment company.

The initiative is part of a regional trend to diversify away from oil and gas production and is the largest industrial project in the United Arab Emirates outside those traditional industries. At full capacity, the plant will produce 1.4 million tons of aluminum annually, making it the world's most productive single-site aluminum production facility.

Aluminum smelting companies face a changing, competitive business environment. Customers are more demanding, and globalization means that customers can choose from suppliers worldwide. Commercial success increasingly rests on efficient manufacturing.

## Our Solution:

Integration of Allen-Bradley ControlLogix and CompactLogix PLC Systems, Redundant Rockwell Automation FactoryTalk View Site Edition SCADA System, and FactoryTalk Historian.