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# ALBA 1,792 MW CCGT PLANT

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INTERNATIONAL





A CASE STUDY TO JUDGE US ON

## ALBA 1,792 MW CCGT & POWER DISTRIBUTION NETWORK

ESB International is responsible for the specification, tender negotiation leading to contract award, design review, Project and Construction management, safety and commissioning supervision of the ALBA CCGT power plant project and associated Power Distribution Network.



Power Generation Engineering

Start Date – End Date

**2015 - ongoing**

Client Name

**Aluminium Bahrain B.S.C. (Alba)**

Duration of Assignment

**4 years to date**

### BACKGROUND

Following the appointment of ESB International in September 2015, the EPC consortium of GE/GAMA was issued with Notice to Proceed in August 2016. The combined cycle gas turbine plant will consist of 3 x GE 9HA01 gas turbines and is planned to achieve commercial operation in Q3 2019. These "H" technology gas turbines are the first of their type in the Middle East and the first application in an aluminium smelter.

In a parallel procurement process Siemens was appointed to supply and install new 220 kV and 33 kV sub-stations and associated transformers/ reactors as well as a Scada system for the new power distribution system.

The existing Alba Power Distribution network will also be incorporated into the new Scada system.

### THE SERVICES WE PROVIDED

- > Project development activities
- > Management of project planning
- > Specification preparation, tender evaluation and EPC contract Award
- > Management of site preparation
- > Detailed engineering design review
- > Project construction & commissioning supervision
- > Complete engineering support during all phases of the project
- > Site management, safety management and quality surveillance
- > Project closeout and Warranty services

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# WE SHOULD BE TALKING TO EACH OTHER

To discuss your Power Generation needs, please get in touch with  
ESB International at the contact points below.

## ESB INTERNATIONAL

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