



Cairo, 14/07/2021

Performance certificate

MEHARI Project - Obari S011 220KV GIS Substation in Libya

This Certificate is to confirm that Electro Tharwat has successfully completed its scope in the MEHARI Project of Obari S011 220KV GIS Substation in Libya, which covered the following activities:

- Complete in-land logistics for all supplied substation equipment and materials
- Supervision of the installation, testing and commissioning of substation commodities, such as the GIS and power transformers
- Site activity planning and management
- Complete site management
- Conducting progress Meetings with the end client GECOL
- Preparation and management of complete HSE system, method statements, risk assessments & quality assurance/control system.
- Construction of site camp with all facilities needed for personnel and site stores
- Civil works, including the construction of prefabricated buildings, finishing works, false ceilings and all associated building facilities, such as: Indoor Lighting - Outdoor Lighting - Small Power - Fire detection - Fire Fighting - HVAC - Plumbing - Over Head Cranes.
- Personnel Security & Site Security
- Loading, Off-loading, storage & handling of the substation Equipment & Materials, including the power transformers
- Installation works for all Substation Equipment, such as: 220kv GIS switchgear Bays - GIB Bus Duct - Steel Gantry -High Voltage Equipment - 22kv Power transformers - PTR fire Protection System - Local Control Panels - Protection Panels - Control Panels - AC Distribution Panels - DC Distribution Panels - DC Chargers - DC batteries - UPS - Auxiliary Transformers - Diesel Generator - DCS system - Communication system - Earthing System - Lightning protection System - Power Cables - Control Cables - Signal Cables - Cable Trays & Steel Structures - Interface panels.
- Testing, Commissioning, Energizing & Startup works.

Electro Tharwat executed its role with remote support from the GE team, and in coordination with GE's factories, satisfactorily responding to the project and GE requirements and technical specifications, with matching quality and EHS standards to the standards and expectations of GE.

It is to note that the complicated circumstances surrounding this project demanded high levels of cooperation and a sophisticated coordination scheme, which Electro Tharwat delivered. Through Electro Tharwat's professionalism, high flexibility

Grid Solutions
a GE and Alstom joint venture

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and short reaction time, the GE and Electro Tharwat team managed to execute and energize this project, located 1,000KM south of the Tripoli area, successfully, through the difficult times of political turmoil and the COVID-19 pandemic in Libya.

GE hereby would like to thank Electro Tharwat for delivering this outstanding job in the face of adversities and would highly recommend them as a reliable partner.

Regards,

Tamer Waheeb

Senior Project Manager

A handwritten signature in blue ink that reads 'T. Waheeb'.

