

Case Study: 220 KV Substation System for LNG Terminal

Provider Name	:	KALKI Communication Technologies (P) Ltd.
Client Name	:	Multinational Utility Automation OEM
Project Title	:	Sub-Station SCADA for LNG Terminal

The Requirement

The client, a Major Utility Automation Multinational required for their LNG Terminal Project, a 220 KV Sub-Station System. Kalki engineering services group, carried out the Sub-Station SCADA Engineering, Commissioning and Site hand-over for this project.

The Solution

The following Resources were utilized to carry out the Engineering and Design tasks:

1. ABB MicroSCADA as Sub-Station SCADA System
2. ABB RTU211
3. Protection Relays
4. Load Managers

The said SCADA platform runs on NT System. The Sub-station was a 220KV Substation in double bus configuration, 11kV and 66 kV single bus systems. The automation system supplied included the MicroSCADA, RTU 211, protection relays etc., These devices communicated over protocols like Modbus, RP570 and IEC 60870-5-103 with the local SCADA system.

Kalki Engineering Services group carried out the entire SCADA engineering, FDS preparation assistance, FAT, Erection and commissioning activities at site and eventual hand-over.