

SUBSTATION INSTALLATION SERVICES

Alkomed is a Bahrain based, ISO 9001:2000 certified, specialist electrical and mechanical engineering contracting company.

Alkomed's **High Voltage Power Project Department** specialises in the installation of all indoor and outdoor substation equipment and systems.

Alkomed can offer a complete installation solution including transportation arrangements of heavy equipment from port to site and off loading at site; specialists for installation of heavy equipment including transformers, reactors and switchgear; erection and installation of substation accessories and ancillaries; HV, LV, control and protection cabling installation and termination.

With over 30 years experience, and in excess of 500 highly experienced employees, Alkomed can professionally provide a total sub station installation solution to utility providers, large international clients and local contractors.



Alkomed's 83A, 260kV Mobile Resonant Frequency Test System with dedicated tractor unit.



220kV GIS installed in Manama BSP

Developments around the Middle East have led to a dramatic increase in the demand for power.

In order to deliver this power to the end customer the utilities providers are forced to expand their transmission and distribution networks. This inevitably means more substations are required and the installation works must be completed professionally and on time in order to meet the customers expectations and provide a reliable service for the future.

Alkomed can provide this complete and professional installation service. An experienced, motivated and flexible work force, combined with the latest plant, tools and equipment, guarantee reliable, efficient and cost effective substation installation services for our clients.

SWITCHGEAR AND TRANSFORMER INSTALLATION

Substations play a major role in the effective transmission of power, and as the space available for these stations decreases so does the size of the equipment.

Due to this reduction in equipment size the clearance between ground and live items is also reduced, putting additional stress on the insulating mediums, the result of this is that the installation of equipment becomes more critical to the future serviceability of the station, and with that the security of the power transmission system.

Alkomed can provide a professional and experienced installation service ensuring that all equipment installed is done so in the correct and timely manner.

Alkomed have an experienced and dedicated workforce who understand the importance of correct installation procedures and conditions necessary for the safe and secure operation of switchgear and transformers.

With over 20 years experience of installing substation equipment for a number of international companies we have established ourselves as one of the premier engineering companies for installation of switchgear, transformers and sub station control systems.



11.5kV Reactors installed at ALBA

INSTALLATION SERVICES OFFERED BY ALKOMED

- Material and heavy lift equipment transportation arrangements from arrival port to site storage yard
- Placing of heavy equipment onto foundations
- Assembly of external transformer/reactor components such as conservators, oil cooling radiators and associated pipe works, control and protection cable tray/ladder installation, cable termination box installation, and earthing works
- Transformer insulation oil filtration, drying and filling works using Alkomed's own 6000 litre per hour oil plant
- Assembly of Gas Insulated Switchgear sections and busbar, installation of cable termination box, installation of control and protection cable organisation systems, and earthing works
- Installation and termination of cabling for control, protection and monitoring equipment
- Fibre Optic cabling installation and commissioning
- Air condition units supply and installation works including close control systems
- Installation of LV and MV switchgear, transformers and reactors
- Supply and in house design and manufacturing of all steelwork for cable supports, equipments supports, access stairs, cable bridges
- Commissioning services for equipment, control and protection accessories and cabling
- Fire detection and protection systems, water deluge and CO2 systems for indoor and outdoor applications
- Standby generator installation works
- General small power and lighting works



Jacking and sliding 120 ton Rectifier Transformer at ALBA



Lifting and installation of 66kV GIS at Manama BSP



220kV / 66kV transformer installed at HIDD BSP



Completed view of Rectifier Transformer installed at ALBA Line 5

Contact Details

Alkomed Engineering Services Company W.L.L.
P.O. Box 5813, Manama,
Kingdom of Bahrain

alkomed@batelco.com.bh

Tel : (+973) 17689500 Fax : (+973) 17698555

Please request an information brochure on other services offered by Alkomed

Cable Installation Services



HV Testing Services



HV Jointing Services



Fibre Optic Services

