

JINNAH MOHAMED LEAD INSTRUMENTATION ENGINEER

Personal, Educational and Language Details:

Indian Instrumentation Engineer, graduated BE in Electronics and Instrumentation in 2001 from Manonmaniam Sundaranar University, Tamil Nadu, India with more than 15 years continuous professional experience specialising in infrastructure and building instrumentation design and detailing and over 15 years in the Middle East. Mother tongue is Tamil and Hindi and fully fluent in written and spoken English.

Key Skills:

Over 15 years in instrumentation design including Piping and Instrumentation Diagrams, Block and Loop Diagrams, Cable Layouts, Input/ Output Lists and Data Sheets. Skilled and experienced designer, with design leadership experience on a wide variety of projects and with skills in design coordination and design management.

Experience:

2008-present: Fahd Alireza Engineering Consultants, Saudi Arabia – Lead Instrumentation Engineer:

Lead Instrumentation Engineer in charge of all instrumentation design work in Khobar office. Duties include preparing design basis reports; development and design of P&IDs; preparing and reviewing instrument block diagrams; instrument index; instrument loop diagrams; interconnection diagrams; cable layouts, input/output lists; data sheets for irrigation network systems, pump stations, lift stations; building management systems with reference to international standards ISA, ISO, ANSI/ASME, NEC, IEC. Design work also includes detailed design engineering for the irrigation control network, irrigation/potable water pumping station, sanitary waste water lift stations and BMS including field instruments such as irrigation controllers, remote terminal units (RTU), analysers, pressure transmitters, pressure gauges, level transmitters, flow meters, solenoid operated valves and interfacing with central SCADA system through radio/fibre optic signals/ cables respectively.

Projects undertaken include Site Development for the City Centre, Jubail Industrial City, Kingdom of Saudi Arabia - control and instrumentation design of the 50ha site for Markaz Al-Idhari, Phase – 1; Dareen East Beach, Jubail Industrial City, Kingdom of Saudi Arabia - planning and urban design of a 70ha park on the Arabian Gulf, designed to serve not only the needs of a rapidly growing city, but also to draw visitors from the greater region; Regional Park Phase 1&2, Jubail Industrial City, Kingdom of Saudi Arabia Jubail - urban design and planning for the Jubail Regional Park to provide recreational opportunities for the city and the surrounding region and is designed to function as a critical component in the regional water use strategy.

2004-2008: Arabian Technical Trading, Dammam, KSA – Instrumentation Engineer:

Worked as Site Engineer for LSTK projects, including preparing proposal, detailed design and engineering, work permit acceptor, site supervision and reporting.

Projects undertaken include the World's largest ethanol manufacturing facility for ARRAZI, a SABIC affiliate company – work included the installation and commissioning of a continuous emission monitoring system (CEMS).

The site activity undertaken includes the survey, preliminary flue gas testing design, engineering, procurement, manufacture, fabrication, inspection, supply, storage, installation, testing and commissioning, interface with existing DCS, FAT & SAT training, and handling over of CEMS for Plants number II, III & IV to measure, record, display the NOX content of the reformer stack exhaust gas and automatically system generation of reports, to meet the Royal Commission specified regulations. Design, engineering and manufacturing of the equipment was undertaken at the manufacturer facility and further integration, installation of analyser and main equipment was completed at the Client facility. Installation of necessary hardware/ software and data acquisition system, including the PC/ Printer with suitable DAS with CEM view emission computer system configured to monitor and generate the required reports to fulfil RCER and USEPA regulations.

Other projects undertaken included the installation and commissioning of 20 SICK/ MAIHAK CO & CO2 analysers together with humidity sensors and temperature sensors in the boiler room at Saudi Electric Company, Shuaiba Power Plant, Jeddah; serviced and calibrated dust analyser in Qassim Cement Company plant in Rabigh; serviced and calibrated dust analysers in Qassim Cement Company plant in Jeddah; installed and commissioned Ultrasonic Flow Meters in Riffa Power Plant, Bahrain; installed and commissioned Thermal Conductivity Analyser (H2) in Petrokemya Olefin II Plant.