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PROFILE

Recently worked as Mechanical Project Engineer for POWER STREAM CONTRACTING EST. (HVAC DIV.) with projects from *SABIC - SAUDI ARABIA* (SAUDI BASIC INDUSTRIES CORPORATION). More than 10 years' experience combined with excellent technical, analytical and engineering qualifications which includes experiences in various complex buildings (vertical), school construction (horizontal), implementation, scheduling and management.

EXPERTISE

- Training & Team Leadership
- Blueprints & Schematics
- Problem Identification & Resolution
- Inspection & Maintenance
- Project Scheduling & Management
- Technical Documentation
- Quality Control & Assurance
- Systems Design & Installation
- Interpersonal Communications
- Customer Service, Support & Communication

PROFESSIONAL EXPERIENCE

MECHANICAL PROJECT ENGINEER October 2019 – February 2020
COMPANY: POWER STREAM CONTRACTING EST. (HVAC DIV.)
ADDRESS: P.O. Box 4991, Al – Khobar 31952 K.S.A.
Tel.: +966 138 649 504

Project: *SABIC JUBAIL MAIN BUILDING AND DATA CENTER*
Owner: SAUDI ARABIA – SAUDI BASIC INDUSTRIES CORPORATION
Main Contractor: SPML – Saporji Paloonji Middle East LLC.
Location: Mutrafiyah District, Al Jubail 35822 K.S.A.

Type of Project : OFFICE AND FACILITIES FOR ADMINISTRATIVE STAFF

Profile: The new SABIC Building is built with contemporary and architectural design and engineering standard, anticipating and meeting the future needs. It is eco-friendly design provides a healthy and natural work environment to meet the requirements of the growing number of employees.

Specific Duties and Responsibilities:

- *Reports directly to Project Director and Construction Manager.*
- *Review and check CHW Piping Plans and Ensure proper execution at site.*
- *Ensures implementation of project standards and specification thru in-process and final inspection*
- *Directly and coordinates with the operation of other services e.g. Electrical and Mechanical works.*
- *Regularly checks strict implementation of HVAC work activities with regards to correct procedures.*
- *Prepares cost estimates for the mechanical, construction by labor, equipment and materials needed.*
- *Submit and review of technical submittals for mechanical equipment and materials as well as raising of Technical Queries (TQ)*
- *Trains supervisory subordinates and counsels foremen in the execution process of mechanical activities.*
- *Prepares complex reports and maintains records for site activities.*
- *Review and suggest changes in building mechanical plans for HVAC, water utilities distribution system; and working with consulting engineer.*

MECHANICAL SUPERINTENDENT

May 2014 – August 2017

COMPANY : Modern Tasami General Contracting Company**ADDRESS:** P.O. Box 36094, Jubail Industrial City 31961, Kingdom of Saudi Arabia.

Tel. No. : +966 13 350 0888/ 349 1933 Fax: +966 13 349 3297

Website: www.tasami.com.sa

Type of Project: *Construction of Schools in Jalmudah Phase 3.**Contract No. : 627-C18 Jalmudah Jubail, K.S.A***Client/Consultant:** *The Royal Commission for Yanbu & Jubail / Saudi Bechtel Co.***Specific Duties and Responsibilities:**

- *Reports directly to Project Manager*
- *Ensures implementation of project standards and specification thru in-process and final inspection*
- *Directs and coordinates the operation of mechanical works.*
- *Regularly checks strict implementation of HVAC work activities with regards to correct procedures.*
- *Prepares cost estimates for the mechanical construction by labor, equipment and materials needed.*
- *Submit and review of technical submittals for mechanical equipment and materials as well as raising of Technical Queries (TQ)*
- *Trains supervisory subordinates and counsels foremen in the execution process of mechanical activities.*
- *Prepares complex reports and maintains records for site activities.*
- *Review and suggest changes in building mechanical plans for HVAC, water utilities distribution system; and working with consulting engineer on preparing sewer distribution system.*
- *Conduct punch listing inspection works*

MECHANICAL QA/QC ENGINEER

February 2012 – October 2013

COMPANY : Real Estate Development & Investment Co. Ltd.; (REDICO)

ADDRESS: P.O. Box 32172 Al-Khobar 31952 Kingdom of Saudi Arabia

Tel.: +966 887 9591 / 2 / 3 Fax. : 887 9596

Type of Project: *Construction of School Buildings at Existing Community
Contract No. 627-C17, Jubail 1, Industrial City*

Contractor: Real Estate Development & Investment Co. Ltd.; (REDICO)
Al-Khobar Golden Village, K.S.A.

Client/Consultant: *The Royal Commission for Yanbu & Jubail / Saudi Bechtel Co.*

Specific Duties and Responsibilities:

- *Assist in preparation & submittal of Inspection & Test Plan, Quality Control Plan & Method Statement of Construction on specified task given by the QA/QC Manager as per Royal Commission/Saudi Bechtel Co. comments.*
- *Assist QA/QC Manager on analyzing any problems arising from quality control and inspection activities.*
- *Ensure that job procedures are established according to the applicable codes, standards and contract requirements.*
- *Ensure that inspection and testing activities are carried out in accordance with approved procedures and to the extent specified in contract documents.*
- *Prepare and issue NCR to contractor not complying with Royal Commission Specification.*
- *Check quality of delivered materials conforming as per Technical Data Specification.*
- *Prepare Hold Point prior to commencement of work.*
- *Review Technical Queries initiated by the Engineering/Construction Department and prepare all necessary documents prior to submittal to the Project Consultant.*

ELECTRICAL QA/QC ENGINEER

April 2011 – January 2012

COMPANY: Al –Yamama Contracting Co.

ADDRESS: P.O. Box 2256 Jubail 31951 Kingdom of Saudi Arabia

Tel. No. : +966 3 361 7521 / 3 363 2514 Fax. : +966 3 361 0305

Email : pss@yc.com.sa

Type of Project: *Construction of North Park Aramco*

Name of Building : *SAUDI ARAMCO North Park Office Complex*

Contract Estimated Value : *385 Million Saudi Riyals*

Contractor: Al –Yamama Contracting Co.

Dharan, K.S.A.

Client/Consultant: *Saudi Aramco*

Specific Duties and Responsibilities:

- *Check Electrical installation of Residential & commercial Buildings.*
- *Check Execution of all LV systems and installation.*
- *Check Estimation of electrical equipments in Residential & commercial Buildings.*
- *Develops bid cost estimates of industrial or construction activities / services.*
- *Identifies the critical materials to be estimated.*

- *Check Installation of MCB, Relays, Distribution board, SMDB, MDB, DB.*
- *Check Installation of Fire Alarms and smoke detectors, heat detectors.*
- *Check Installation of Safety & Security System.*
- *Check Installation of Public Address System.*
- *Check Data installation for computer network system.*
- *Check Installation of MATV (Main Antenna Television) System.*
- *Knowledge of CCTV (Closed Circuit Television) System wiring and installation.*
- *Check Installation of Grounding and Bonding Network.*
- *Check Installation of HVAC in Residential & commercial Buildings.*
- *Assisting in getting the approvals for the materials to be used and shop drawing approval.*
- *Investigate problems and recommend solutions.*
- *Ensure compliance with safety requirements and standards procedures.*
- *Inspecting the site work as per the approved drawings, and make the site clarification report.*

Electrical and Instrumentation Engineer

February 2010 – February 2011

COMPANY : Digital Media International

ADDRESS: Mussafah, Sanaiya, Abu Dhabi U.A.E.

Job Description: Thorough knowledge of instrumentation design and engineering techniques, as well as CAD and graphics skills. Responsible in planning and conducting independent work requiring judgment in the evaluation, selection, application and adaptation of engineering techniques, procedures and criteria. Devise new approaches to problems, and prepare or modify drawings, specifications, calculations, charts and graphs, and monitor work for compliance to applicable codes, accepted engineering practices.

Duties:

- *Instrument drawings, data sheets, I/O wiring diagrams, specifications, calculations, charts and graphs.*
- *Project controls, cost estimates, quantity takeoffs and manpower requirements for proposals, forecasts and change orders.*

Essential Functions:

- *Broad knowledge of precedents in the specialty area and a solid knowledge of principles and practices of related technical areas.*
- *Broad knowledge of the application of engineering to plant constructability as applied to construction methods and materials, and the economics involved.*
- *Performs assignments independently with instruction as to the general results expected and with guidance from Department Manager and or engineering specialist on unusual or complex problems.*
- *Provides technical direction and on-the-job training to Drafters, Designers, and less experienced Engineers.*
- *Assigns and coordinates work to Drafters, Designers, and Engineers.*
- *Assume the lead engineer's role on assigned projects.*
- *Serves as Project Engineer and as a designated Client contact on smaller, less complex projects.*
- *Plan, schedule, conduct, and coordinate program of assigned engineering work and projects.*
- *Assist in selection of discipline personnel assigned to projects.*
- *Ensure proper interdisciplinary coordination and effective communication on projects.*
- *Analyze reports, maps, drawings, tests, and other data to plan and design work.*
- *Review bid analyses and make recommendations.*

- *Requires extensive and independent contact with Clients, vendor's representatives and project field personnel. Attend and participate in Client meetings.*
- *Direct and/or participate in job site visits to collect or deliver design and engineering data.*
- *Use engineering and design computer software to complete assigned work*

Maintenance Engineer – Facility & Equipment February 2009 – February 2010

COMPANY : Digital Media International

ADDRESS: P.O. Box 641 Mussafah, Sanaiya, Abu Dhabi U.A.E.

Tel. No. : +971 2 5552002 ; Fax : +971 2 555 9808

Machine maintenance for *Singulus Skyline II, Moldpro Machines* and *Hanky Offset Printer*. Inspect as well as repair work and change parts for replicator machines to ensure proper recording. Troubleshoot disc face printers, *Heidelberg Printer 6 Colors, 4 Colors, 2 Colors, Cutters and Compressors*.

Specific Duties and Responsibilities:

- *Installation of HVAC units, including electronic and mechanical components*
- *Installation of HVAC ductwork including flexible tubing and sheet metal construction*
- *Troubleshoot and repair HVAC units including electronic and mechanical components*
- *Install or repair fuel and water supply lines*
- *Conserve, install and recycle CFC and HCFC (Chlorofluorocarbon family) refrigerants*
- *Install & Repair electrical connections to HVAC components*

Equipment Maintenance Associate Engineer; Technician – Array Thin Film Engineering Department

COMPANY : Hannstar Display Inc.,

July 2005- July2008

ADDRESS: No. 35 Nan-ke 2nd Road, Tainan Science Park, Sinshih Township, Tainan County, 744 Taiwan R.O.C.

Tel. No. +886 6 5052880

Conducted and scheduled investigative tests, repairs, and overhauls of robotic and automated manufacturing and processing equipment to ensure proper operation. Documented inspections, maintenance, repair work, and failures in maintenance logs and statistical process control charts. Trained employees on operational procedures with emphasis on quality, productivity, and overall equipment readiness.

- *Designed and fabricated several equipment modifications including a parts handler to prevent breaking of wafers in encapsulated parts, which resulted in saving \$40,000 per breakdown.*
- *Developed and implemented wafer guide holders for the UNAXIS KAI-1200, ensured non-breaking feed of wafers saving up to \$6,000 in materials cost.*

MACHINE MODELS HANDLED:

HVAC

Zamil Coolcare

- Air Cooled Water Chiller ASH-360B-SPL
- Air Terminal Units
- Air Handling Units
- Exhaust Energy Recovery Units
- Mini-Split type A/C Units

Chemical Vapor Deposition (CVD)

- AKT 15K-A
- DMS Cleaners
- Guardian Furnace Scrubbers
- Moto Man Robotics

Array Thin Film

- NANOMETRICS Ellipsometer
- Yaskawa Feed Robots
- Denko Oven
- ADE Ultra Gauge 9500 NOVA Scan 210

Maintenance

- ESEC 2100 Series
- ESEC Series
- K&S ICON
- ASM AD838 Series

DVD DUPLICATIONS

- Sky line II
- Mold Pro

DVD Replications and Packing's:

- ACARD Technologies Replication Machines
- Amorton MW – 78S Overwrapping
- Kenny Cellophane Overwrapping
- Apex CA – 20
- Tapematic 2002 CR
- Digital Master Reproducer DP – 33 OTARI
- OTARI Reel Tape Recorder

DVD OFFSET PRINTING

- Hanky Printer

SKILLS AND COMPETENCIES

- Install HVAC units, including all of the mechanical and electronic components
- Computer installation, networking, hardware and software interfacing
- OMRON CPM1A Controls
- Siemens S7-200, SIMATIC, STEP 7
- Micro/Win, PG 702, PG 740 PLC's
- 2D/3D CAD technical drawing presentations in a range of soft wares
- Can install and develop relay based controller
- Prentice Hall – PLC Programming

EDUCATION

BOHOL ISLAND STATE UNIVERSITY formerly
Central Visayas State College of Agriculture, Forestry and Technology
Tagbilaran City, Bohol, Philippines
B.S. Electrical Engineering

2004

TRAININGS

- SEMO Productions (Optical Disc Metallizer)
- AGV (Automated Guided Machines) MURATEC
- Unaxis Kai-1200
- BOC EDWARDS IF 1800
- ZHC Heat Tapes
- Training Course in Repair Procedure (OMRON – High Precision Power Electro)

PERSONAL DETAILS

Birth Date: August 28, 1982

Height: 173 cm.

Weight: 65 kg.

Status: Single

Religion: Roman Catholic