



Mohammed ELTayeb Bashir

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ABOUT ME

A highly experienced ICT/ELV/BMS and Telecom Engineer, a decade-plus experience in numerous industries.

My core competencies are in the domain of design, development, installation, testing and commissioning of the following solutions: Software, Data network, Fiber Optics Cables, Fire alarm Network, CCTV, Access Control System, BMS DDC Panels, Storage and Security management system, Scada / PLC Systems and RTU (Remote Terminal Unit) and more.

WORK EXPERIENCE

ELV/BMS Project Engineer

Galfar Engineering and Contracting SAOG [7 Nov 2009 – 20 Jul 2020]

City: Muscat

Country: Oman

Managing a team of ELV engineers / Technicians proficient in ELV and BMS systems and on-site building practices. Responsible for the IT, Telecom, ELV, Electronic Security, Fire Alarm systems and BMS design contents as assigned together with its follow-up for Authorities and Client's approval.

Installation, Testing and Commissioning of the Following Systems:

-ELV Systems:

1. CCTV Systems.
 2. Access Control Systems.
 3. Active Switches, POE and Non-POE including Cabinets up to 42U
 4. Passive Systems such as CAT6 and CAT6A UTP Structure Cabling.
 5. Passive Systems such as FOC Cable up to 72 Core SM and up to 50 Core MM.
 6. Fire alarm Systems.
 7. X-Ray Screening Machine, and Walk Through Metal Detectors
 8. Wireless Access Points.
 9. Queue Management Systems (QMS).
 10. Public Address System (PA).
 11. GSM Equipment's for the Local Carriers such as Omantel and Ooredoo.
- and more.

BMS System:

1. Pressure Sensors in the AHU's.
2. Pressure Sensors in the Running Ducts.

3. Thermostat installation including Wiring to the VAV and FCU's.
 4. Temperature Sensors in the AHU and Running Ducts.
 5. DDC Panels Installations.
 6. Wiring FCU's in Ring Topology using RS-485 Cable to Communicate with BMS.
 7. Installation of Air Flow Sensors in VAV for the independent Pressure VAV System.
 8. Installation of Actuators in the VAV and wire it to DDC for the Independent Pressure VAV System and for the Main Damper in the AHU's.
 9. installation of Differential pressure Switch for the Water Pumps of the Chillers.
 10. Water flow switch for the Pumps of the Chiller.
- and more.

Completed Projects:

- ROP Hospital from 2019 to 2020
- New Muscat International Airport Catering Building from 2014 to 2019
- Royal Hospital Heart Center from 2011 to 2014
- Extension of Khoula Hospital from 2009 to 2011.

Construction Engineer (Telecom and Automation)

ALNasser Business and Services [1 Jan 2021 – 30 Jun 2021]

City: Muscat

Country: Oman

Preparing the BOQ for the Upcoming Projects of Oil and Gas and Submitting the Technical Proposal for the below Systems.

-Automation:

1. Scada Modification in Main Control Center in Muscat.
 2. PLC System ((Distributed Control System (DCS)).
 3. PLC System ((Instruments Control System (ICS)).
 4. PLC System ((Fire and GAS System (F&G)).
 5. Remote Terminal Panels (RTU) .
 6. Field Instruments such as Pressure and Temperature Transmitters , Pressure and Temperature Gauges.
 7. Field Instruments such as Control Valves with Actuator , On/Off Valves with Actuators.
 8. Field Instruments such as Emergency Shutdown Valves (ESD) including Actuators.
 9. Field Instruments such as H2S Analyzer and GAS Chromatograph.
 10. Field instruments such as Gas over Oil Actuated Valves.
 11. Field Instruments such as Ultrasonic Flow Meters and Coriolis Flow Meters.
- and more.

-Telecom:

1. Active System: POE and Non-POE Switches including Cabinets up to 42U.
 2. Passive System: UTP Cable (CAT6A).
 3. Passive System: FOC Cable (SM and MM) including Splicing Box
 4. CCTV Systems including Indoor Cameras such as PTZ and DOME Cameras, also, Explosion Proof Cameras for the Hazardous Areas.
 5. HDPE Ducts for almost 400 KM.
 6. IP Telephone Systems.
 7. SDH 16 Multiplexor.
 8. Media Converters (FO to Cat6).
- and more.

Completed Projects:

-Submitting a Tender Proposal for EPC Contract for Central 48" Rich and Lean Gas Pipeline Segregation Project of OQ.

Technical Engineer

Smart Energy Solution LLC [1 Oct 2021 – 30 Nov 2022]

City: Muscat

Country: Oman

-Technical Roles:

1. Conducts energy audits to inspect, survey, model, and analyze the primary energy electrical flows in existing residential, commercial and industrial buildings to reduce energy consuming and improve energy efficiency.
2. Assists the construction industry with the energy- consuming components, such as heating, ventilation, and air-conditioning (HVAC) systems.
3. helps corporations developing energy-usage goals, and guiding, monitoring and mentoring their energy team to ensure those goals are met.
4. Installation of ECM's (Energy Conservation Measures) IOT Devices and Make it Communicate to each other using Lora Protocol.

-Sales Roles:

1. Talk with customers and engineers to assess equipment needs and to determine system requirements.
2. Collaborate with sales teams to understand customer requirements and provide sales support. Plan and modify products to meet customer needs.
3. Prepare and deliver technical presentations explaining products or services to existing and prospective customers.

Partners: BEST (British Energy Solution Technologies) which located in Bristol-UK.

Partner Profile: a well reputed Organization, having experience for almost 15 years in Energy Efficiency using IOT Technology with Lora Protocol and have Success Case Studies in many Different Sectors such QSR, Factories and Supermarkets.

Partner Website: <https://www.best.energy/>.

Completed Projects: -National University Monitoring and IOT Solutions.

Technical Engineer (SCADA)

Throne Business and Services [1 Mar 2023 – 30 Jun 2023]

City: Muscat

Country: Oman

Engineer SCADA-related solutions to address customer needs and concerns based on Specifications and Work orders. Modify PLC and HMI applications in the field.

Troubleshoot, Supply and Commission SCADA software related remotely and in the field. Troubleshoot, Supply and Commission hardware related SCADA including panel wiring, VFD, Protection Relays, Pressure Sensors, Temperature Sensor and more of input Devices based on the industry such as Power Transmission and Distribution, Oil and Gas, Water Treatments and Commercial Buildings (BMS).

Completed Projects: Modification of Scada System in Misfah Power Grid Station for 400 KV Transmission Line.

EDUCATION AND TRAINING

Bachelor of Science Majoring in Electronics and Information System Engineering **Multimedia University** [10 Nov 2003 – 30 May 2008]

City: Melaka

Country: Malaysia

Website: <https://www.mmu.edu.my/>

LANGUAGE SKILLS

Mother tongue(s): **Arabic**

Other language(s):

English

LISTENING C2 READING C2 WRITING C2

SPOKEN PRODUCTION C2

SPOKEN INTERACTION C2

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user

DIGITAL SKILLS

Individual Skills

Team management & Team work / Team player, Team Leader / Problem-Solving (Problem Analysis) / • Active learning and innovative thinking. / Working under pressure

Technical Skills

Telecommunications Management / Low Voltage Electronics / Microsoft Office / • Energy management/ monitoring software and Building Management Systems (BMS). / Basic Electrical Wiring Connection/ Installation