

CURRICULUM VITAE



AMMAR MANZAR

**B. Sc. Engineering
Electronics & Communication**

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CAREER SUMMARY

A well versed mid-level career expert in the field of Utility & Renewables. The main stream expertise is in the field of Smart Metering, Solar PV and Electric Vehicle Charging systems. Looking for opportunities to grow in the said field to take the career on to senior level expertise. Finds self as a capable Marketing & Business Development professional as well.

FIELD OF INTERESTS

- Smart Metering
- PV Solar
- Electric Vehicle Chargers
- Project Planning & Tendering

EDUCATIONAL QUALIFICATION

B. Sc. Engineering in Electronics & Communication (First Class) 2011.

PROFESSIONAL SUMMARY

I am presently working as an AMI Service Connection Engineer in government firm named Federal Electricity & Water Authority (FEWA). Also handling projects designing and implementation of Smart City in Northern Emirates which includes Solar, Electric Vehicle Charger, etc. Previously worked in the private firm named Al Mostajed Technologies Co. LLC as Applications & Field Engineer which included my responsibilities like handling the project, commissioning, handling the clients like FEWA, DEWA, SEWA etc. My field of expertise are AMI (*Metering*), Solar (*PV*) and Electric Vehicle Charging (*EVC*). Total experience till now is 5 years in UAE.

PROFESSIONAL ACHIEVEMENTS

- Contribution in achievement of complete commissioning of first Smart Initiative 'Smart Metering

(Intelligent Metering System) Project in for client DEWA (Dubai Electricity & Water Authority).

- Played a huge part in tendering in winning the projects like Solar PV project in DEWA 'M' Station (Power & Desalination Plant), Supply and Commissioning of Electric Vehicles Chargers.
- Completion of Snag List and PTOC clearance for client FEWAAMI/Smart Metering.
- Successful Commissioning & handover of Electric Vehicle Chargers to DEWA.
- Successful Commissioning of PV Solar PMS (Plant Monitoring System) in DEWA 'M' Station.

SKILLS

- Expertise on installation, commissioning, configuration and monitoring of Solar PV Plant, Smart Electricity and Water Meters.
- Thorough experience and knowledge of Electrical networks, Meter Data Management (MDM) and Meter Data Collection (MDC), Plant Monitoring System (PMS for Solar PV), Weather Sensors, etc.
- Expertise on Smart Water meters (Itron and Hydrus).
- Expertise on the Residential, CT and Commercial & Industrial Smart Meters.
- Skilled in communication establishment, configuration and troubleshooting & diagnosing of Itron, Elster and Landis + Gyr Data Concentrator to the Meters.
- Skilled in GPRS, RF and BPL based Smart Meters communication and troubleshooting.
- Thorough knowledge of Electric Vehicles Chargers' installation and configuration.
- Knowledge of CPMS (Charge Point Management System) for Electric Vehicles.
- Configuration Knowledge of Cisco switches (2960, 3750).
- Skilled in installation, cloning and maintenance of Windows and Linux OS.

CURRENT EMPLOYER

FEWA (*Federal Electricity & Water Authority*)

Ajman, UAE

AMI Service Connection Engineer

March 2017-till date

Projects' Role and Responsibilities:

Installation, Configuration & Commissioning of LVCT & MV/HV Smart Meters – Present Job

- Installation of 23000+ LVCT Smart Meters in all Northern Emirates.
- Configuration and Commissioning of the smart meters.
- Setting up of GPRS communication for remote access of all Smart Installed Meters.
- Setting up, Leading and monitoring of all teams in different locations for smooth and hassle free installation and commissioning works.
- Co-operation with all areas FEWA Teams & Engineers to look after discrepancies and issues within SAP system and on-site.
- Involved in setting up of MDM and MDC based on GPRS network structure.
- Involved in setup of Network Architecture for Remote collection, storage and monitoring of real time and historical datas.

- Configured Landys & Gyr and Elster Electricity meters. CT, PT Circuit Testing with secondary injector kit ensuring correct modification done in existing circuit.
- Responsible for drawing modifications in CT, PT circuit.
- Responsible for communication of C&I sub-station meters to Head End system.
- Installation of 500 substation meters in 11kV, 33kV and 132kV and power stations for loss measurements.
- Responsible for collection of metering data from replaced meters and validating data before final update into the billing system of FEWA.

PREVIOUS EMPLOYER

AL MOSTAJED TECHNOLOGIES Co. LLC

Dubai, UAE

Applications & Field Engineer April 2013-January 2017.

Projects:

Advanced Metering Infrastructure (AMI-FEWA)

Intelligent Metering Services (IMS-DEWA)

Electric Vehicles Chargers (EV-DEWA)

SOLAR PV 1500kW on Potable Water Reservoir Rooftop of Jebel Ali 'M' Power Station (PV-DEWA)

Projects' Role and Responsibilities:

Client - Federal Electricity & Water Authority (FEWA) - AMI Pilot

- Installed and commissioned more than 10000 Electricity and Water meters in Ajman Nuaimayah area.
- Configured, commissioned and real time data monitoring of the smart meters.
- Successfully integrated RF and BPL communication.
- Configured BPL Corinex Gateways and implementation of Ring structure for achieving better data analysis.
- Achieved a good success rate of meter data on MDM and MDC based on RF and Ring BPL network structure.
- Configured Landys & Gyr and Elster Data Concentrators and integrated with different manufacturer's meters successfully.
- Configured Landys & Gyr and Elster Electricity meters along with Itron meters.
- CT, PT Circuit Testing with secondary injector kit ensuring correct modification done in existing circuit.
- Responsible for drawing modifications in CT, PT circuit.
- Responsible for communication of C&I sub-station meters to Head End system through Fiber links, HDSL & SDH network.
- Service points creation in Head End system (Meter data Collection) for Energy meter.
- Execution of use cases such as meter change, Data concentrator swap in MDC.
- Generating reports for Residential, water and CT meters in MDC and MDM.
- Creating CT meters and Troubleshooting CT meter communication issue in MDC.
- Retrieving Analytical reports, trends, voltage swag, swell, peak consumption from MDM.

- Retrieving Interactive graphical representation of energy value characteristic over time in MDM.
- Implementing Meter connect, disconnect, on demand, EOB for meters in MDM. Configuration of Energy meters using Itron and L&G Tools (Ace Pilot and MAP 110).
- Creation of VLAN's in CISCO Layer- 3 & MOXA layer-2 switches.
- Responsible for network design and testing of Fiber and E-1 Links in Ajman, Dhaid, East-Coast and RAK Area.
- Installation of substation meters in 11kV, 33Kv and 132kV and power stations for loss measurements.
- Responsible for collection of metering data from replaced meters and validating data before final update into the billing system of FEWA.

Client - Dubai Electricity & Water Authority (DEWA) - SOLAR PV

- Handling Plant Monitoring System (PMS) in 1500kW PV Power Plant on Potable Water Reservoir Rooftop of Jebel Ali 'M' Station (Power Station).
- Integration of Solar PV Modules to obtain 1500kW Power.
- Construction of a full Cable Bridge across the Rooftop to LV Chiller Plant for LV connection.
- Handling the site activities including civil construction of Cable Bridge, Staircases, Mounting Structures of PV Modules etc.
- Meetings with the client to clarify and provide weekly progresses and discussions to sort out the site & technical issues.
- Technical documentations preparations for Permit to Work, Method Statements and Equipment/Devices details.
- Ensure that the site works doesn't hamper on any conditions and no project delays.
- Drawing & SLD revisions to make sure that approval doesn't cost any delay.

Client - Dubai Electricity & Water Authority (DEWA) - Electric Vehicle Chargers

- Supply of EFACEC Electric Vehicle Chargers in the Pilot implementation of Electric vehicles as a 'GO GREEN' initiative by Dubai Govt.
- Providing Installation guidelines to the installation contractor while installing or configuring the Chargers.
- Worked on Commissioning of the Chargers to access them through CPMS (*Charge Point Management Software*).
- O&M Activities for all the EV Chargers.
- Meetups with DEWA for issue resolution regarding the remote data monitoring and CPMS Solutions.
- Meetups and solution look-after for all the EV Chargers.

Client - Dubai Electricity & Water Authority (DEWA) - IMS

- Successfully integrated first Intelligent Metering Services in UAE for client DEWA, Dubai which contained 10000 Smart Electricity Meters, 10000 Smart Water Meters and 2500 PLC Interface Unit (PIU).
Directly interacted with Itron and DEWA team for troubleshooting and diagnosing any communication related issue.
- Monitoring on MDM and MDC regularly for meter data.

- Commissioned Itron Water meters (Actaris and Echodis) and Hydrus water meters.
- Commissioned Itron PSMM4000 and PTMM4000 Electricity meters.
- Configured Electricity and Water meters through Itron ACE4000 configuration tool.
- Configured Jekyll Modem including SIM Card for Data Concentrators and monitored signal strength in case to check the reachability of DC.

PAST EXPERIENCES

IT Maintenance Engineer

GNN News & Bhakti Channel, New Delhi (INDIA)

Trainee as an Automation Project Engineer

SMEC Pvt. Ltd, Mumbai (INDIA)

SOFTWARE SKILLS

- Expertise on Microsoft Office and the formulation rules of Excel
- Linux OS installation & imaging
- Windows OS Installation & imaging
- Programmable Logic Controller

PERSONAL DETAILS

Date of Birth	:	27 July 1987
Sex	:	Male
Marital Status	:	Married
Nationality	:	Indian
UAE Driving License	:	Yes
Passport Detail	:	K7613725
Linguistic Proficiency	:	English, Hindi, Urdu, Arabic (reading & writing)
Contact Address	:	Ajman One Towers, Ajman
Permanent Address	:	Darbhanga, Bihar, INDIA

DECLARATION

I, hereby, declare solemnly that the information furnished above is true to the letter.

Sincerely yours,

(Ammar Manzar)