

# Roy G. Ghantous

**E-mail:** RoyGhantous@live.com

Mobile: +961 81 993 569

Nationality: Lebanese

**Address:** Lebanon

## PERSONAL OVERVIEW:

Certified electrical engineer with the ability and skills to assess problems and projects with a logical approach to time and cost restraints. Good multidiscipline communicator with the influence of achieving what is required with high professional standards.



## **EDUCATION:**

Lebanese International University, School of Engineering

Master of Science in Electrical Engineering GPA: 3.43 / 4.0

**Beirut, Lebanon**June 2016

Relevant Coursework: Photovoltaic Energy Systems, Power Generation and Control, Power System Protection & Switchgear, Power Transmission Systems, Power Distribution Systems, Industrial Systems Automation and Control (PLC), Electric Drives, Economics of Renewable Energy, Power Electronics, Digital Control Systems, Engineering Profession & Ethics and Master Thesis (Wind Turbines).

## Lebanese International University, School of Engineering Bachelor of Science in Electrical Engineering

Bekaa, Lebanon

June 2014

Relevant Coursework: Engineering Drawing & CAD, Engineering Project Management, Power Systems, Control Systems, Electric Machines, Electric Circuits, Electronic Circuits, Digital Logic Design, Microprocessor Architecture & Organization, Electromagnetic Field, Digital Signal Processing, Static Mechanics, and Senior Project (Smart Pill Dispenser).

### PROFESSIONAL EXPERIENCE:

## > Switchgear International



Doha, Qatar

**Projects Engineer** 

Oct.2018-Feb.2020

- ✓ Handle the switchgear projects from the LOI stage till the delivery and T&C stages
- ✓ Propose commercial comments after reception of the LOI concerning the delivery period, payment terms and liquidated damages.
- ✓ Plan the execution of the projects according to the factors of stock availability or Materials' expected date of arrival ETA, available projects under production, manpower available/outsource and the committed delivery dates.
- ✓ Coordinate between all the departments (Design, Procurement, Store, Production, QA/QC and Testing & Commissioning Team) in order to make sure that the project is being executed smoothly under high professional standards and according to the delivery schedule.
- ✓ Prepare the Purchase Requisition of Materials (PRM) after receiving the (BOQ) from the design team and state the estimated price limit for the related materials in order to procure below it.
- ✓ Study weekly reports from the QA/QC Team and the FAT/SAT comments to detect and diagnose the mistakes of the design, procurement, store and production departments. Moreover, propose solutions to increase the efficiency of the team and take preventive measurements.
- ✓ Monitor and control the site testing and commissioning engineers in order to organize the site works according to the plan.
- ✓ Conduct meetings with the end user / contractor in order to assure a smooth delivery.
- ✓ Coordinate with the finance team in order to precede the work according to the contractor's outstanding payments.
- ✓ Prepare the planning of the projects and share the milestones with each department accordingly.
- ✓ Report to the management about the current status of each project.

## > InMobiles Offshore inmobiles

Beirut, Lebanon

Technical Supervisor

Oct.2017- Oct.2018

- ✓ Smart home automation system design, implementation & maintenance
- ✓ Introduce artificial intelligence using IOT to achieve energy saving and reducing power consumption
- ✓ Prepare BOQs in addition to the price estimation and offer letters
- ✓ Analyze & prepare electrical drawings
- ✓ Program smart home microprocessors
- ✓ Coordinate the work of the HVAC, electrical and mechanical technicians
- ✓ Supervise the installation of smart security systems including POE CCTV systems

- ✓ Supervise the installation of the lighting control systems
- ✓ Control HVAC units, boilers and water heaters through smart thermostats
- ✓ Supervise the installation of smart fire alarm systems



Bekaa, Lebanon

Dec.2016-Oct.2017

Maintenance Supervisor

- ✓ Oversee and coordinate the electrical & mechanical teams
- ✓ Prepare relevant reports and take actions to prevent repetitive problems under a planned "Preventive Maintenance"
- ✓ Evaluate problematic systems and act under a planned process
- ✓ Evaluate the team performance & coordinate with the maintenance manager to identify efficient strategies for improving the productivity of the resources

#### > Nakhle Electronic Store

Bekaa, Lebanon

July 2014-Dec.2016

✓ Implement, test, repair and sell electronic circuits & components Project: Design & implement automatic voltage regulators

## PROJECT EXPERIENCE:









## **Switchgear International**



- Mega Reservoir Ashghal Project including LV and Capacitor Banks
- Qatar Academy Expansion Project including LV panels
- Qatar Academy Expansion Project including **BMS** (AHU and FCU) panels
- HBK headquarters including Access Control, CCTV, Lighting Control and BMS systems
- Lusail Rail Station project including LV panels
- Doha Metro Greenline project including LV panels
- Lusail Car Park including LV, Capacitor Banks, DB and SMDB
- Mega Reservoir GTC518 including MCC,LV
- Ras Abou Aboud Stadium project including LV panels (FIFA World Cup 2022 stadium)
- Lusail Stadium project including LV panel (FIFA World Cup 2022 stadium)

#### **InMobiles**

- ADMIR "SAKR Real Estate" smart apartments project
- Dubai studios, apartments and townhouses villas technical planning
- Lebanon residential villas and apartments smart home implementation
- Litany's Villa full automation
- Litany's apartments full automation

#### **POPPINS**

- Filling & packing machine commissioning
- Stabilizing the chlorine in the water treatment utility by calibrating the CL controller
- Design electrical panels and renew the old existing panels
- Working on a chain of conveyors and bucket elevator control project using LSis PLC and HMI
- Programming the three phase VF drives to control the speed and torque of the production line motors
- Commissioning of old distribution boards and control panels
- Inspection & maintenance of the fire alarm system
- Calibration & tuning of the "Honeywell" thermal controller to control gas valves actuators in order to stabilize the temperature in fire chambers
- Industrial fuel oil steam boilers valve control panel maintenance
- Industrial chiller temperature set up

#### Lebanese International University, School of Engineering

- ✓ **Senior Project:** Design, program and physical implementation using ARDUINO microprocessors to create the innovative device "Smart Pill Dispenser"
- ✓ PLC Project: Design and program using PLC to control Smart Automated Parking Lot
- ✓ **Master Thesis:** Identifying high efficiency low noise wind turbine systems for the use in off-grid residential power systems in Lebanon



## **CONFERENCES ATTENDED**

- Introduction of Schneider Electric IoT "EcoStruxure" innovation in electrical distribution system. Conducted at Electropole Schneider Electric, **Grenoble-France** (June 2019)
- LV/HV Switchgear products stress test and validation. Conducted at Volta Labs Schneider Electric, **Grenoble-France** (June 2019)
- Schneider Electric switchgear factory visit, **Grenoble-France** (June 2019)
- Introduction to smart buildings and energy saving. Conducted at the HIVE Schneider Electric Headquarters, **Paris-France** (June 2019)



- ✓ Licensed member in the Lebanese Order of Engineers and Architects.
- ✓ Member in IEEE "Institute of Electrical and Electronics Engineers" Organization.
- ✓ Excellent Communication, Listening and Motivating skills.
- ✓ Ability to learn quickly and being up to date for the latest technologies serving my career.
- ✓ Good negotiation skills.
- ✓ Ability to work under pressure with a team of dedicated professionals for achieving the deadlines for the work execution.
- ✓ Ability to manage priorities and flexibility to change it under relative conditions.
- ✓ Ability to travel to local and regional implementation sites.
- ✓ Fluent in written and spoken English, French and Arabic.



- ✓ Programming Languages: Java, Asm, Arduino, MIPS, and Ladder Logic (PLC).
- ✓ Engineering Tools: AutoCAD, PVsyst, Matlab, Proteus, Multism, PSpice, WinproLadder and rslogix5000.
- ✓ Documents: Word, PowerPoint, Visio, MS projects and Excel.



✓ Available upon request