

# MOHAMED WASEEM

## Electrical and Instrumentation Engineer

### 09+ YEARS EXPERIENCE

Expertise: Designing, Installation, Testing & Commissioning, Operation & Maintenance.



📍 Gizan , Saudi Arabia

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✉️ [mohamedwaseem197@yahoo.com](mailto:mohamedwaseem197@yahoo.com)

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## CARRER HISTORY

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**JUNE 2010 - Current**

**E&I Engineer**

**Mohammed Ali Al Swailem Co. (MASCO)**

Industrial and infrastructure projects including; power plant, Desalination plant , pipe lines network, water treatment plant, sewage treatment plant , RO plant, chlorination plant , chemical Plant

**August 2009 - JUNE 2010**

**E&I Engineer**

**Al-Abbas Cement Industries Ltd (Power cement)**

Worked in Operation & Maintenance at entire plant of cement industry

**November 2008 - August 2009**

**Trainee Engineer**

**Huawei**

Worked in a subcon of huawei for (ufone, CMPAK(zong) and PTCL)

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## MAJOR PROJECTS (MINISTRY OF WATER & ELECTRICITY, KSA)

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- Al-Baha water stations , pipe lines network , chlorination plant and deep wells
- Al-zulfi water treatment plant , chlorination plant and RO plant
- Tabuk power plant , pumping station, deep wells , chemical dozing lines and pipe line network
- Dammam sewage treatment plant and water treatment plant
- 15 sites of RO plant for remote areas of the kingdom of saudi arab
- Taif sewage treatment plant under National water Company
- Gizan water treatment plant and other power and water projects in gizan region
- Jubail Desalination plant and chemical dosing plant

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## MEMBERSHIPS

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- SCE (Saudi council of engineers) Recognized & Registered Engineer
- PEC (Pakistan Engineering Council) Recognized & Registered Engineer.
- HEC (Higher Education Commission) Recognized & Attested Degree.

## SKILLS

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- Field Instrumentation 
- P&IDs Development 
- Industrial Automation 
- Complex problem solving 
- Innovative thinking 
- Technical Documentation 
- Control circuit designing 

## PROFESSIONAL TRAINING AND SOFTWARE

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- Engineering & Office Tools: AutoCAD, Eplan , MS Office and other essential software
- Automation Software: Schneider (Unity Pro, Advantys, Twin soft), Rockwell (Studio5000 , FT view studio )Siemens Step7 v5.5, Siemens TIA portal v13, Siemens WinCC flexible, SCADA Wonderware Invensys (ArchestrA IDE, InTouch), Vijeo Designer
- Instrumentation: Endress & Hauser + WIKA , +GF+ , Siemens , ABB

## LANGUAGE SKILLS

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- English 
- Arabic 
- Urdu 

## ACADAMIC QUALIFICATION

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2005 – 2008

### **BS. Electrical/Electronic Engineering**

Sir Syed University of Engineering & Technology

**1<sup>st</sup> Division**

## PERSONAL

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- Permanent Address : Karachi , Pakistan
- Date of birth: 8<sup>TH</sup> March 1986
- Nationality: Pakistani
- Religion: Islam
- Marital Status: Married
- Driving License: Pakistani and KSA (Gulf Countries)
- Skype: wasirao1

## WORK SCOPE AND RESPONSIBILITIES

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- Responsible for review the design, **PID designing**, Site preparation, project schedule, prepare budget, manage construction for project and selection of instruments that are suitable for site requirement and perform installation, testing and commissioning at **Power Generation systems, Water Deep wells, sewage treatment plant, Desalination plant, water treatment plant, Chlorination plant, chemical plant, RO plant, Cement industrial plant & water pumping Stations and later on perform operation and maintenance.**
- Installation of Substations , Stand by Diesel Power Generator (Capacity 200KVA to 3MVA) , Feeding Cables (11-33 KV),Power and Distribution Transformers (50-3000 KVA), OH & UG Transmission Lines, Switch Gears (Schneider and Siemens MVSG 4-24 KV), Protection & Control (RMU and MVSG), Ring Main Unit (RMU 3-4 ways switch), Circuit Breaker (50-2000A), Main Distribution Board (MDB) Panel 380/220V, Motor Control Center (MCC) including, Automation Control Panels (AP).
- Complete Electrification of buildings including Lighting Panels (LP), Earthling, Heating Ventilating Air Cooling (HVAC), IP & Telephone System, CCTV, Uninterrupted Power Supplies (UPS), Addressable Fire Alarm Control Panels (GST & Zeta) as per standard.
- Installation of motors and pumps, Motorized Valve Actuators, Cable ladders & trays, Lighting Control Panel, Smoke, Heat Sensors & Fire Alarm Control Panels, Exhaust Fans, and Truck Filling Panel, Battery Chargers & Overhead Crane in Motor and soft starters.
- **Installation , commissioning and maintenance** of all types of instruments including ; **All types switches , level transmitters , temperature transmitters , pressure Transmitters , flow meters , vibration sensor , motorized actuators and pneumatic actuators . Furthermore PH, ORP, chlorine, turbidity, TDS and Conductivity Analyzer.** Briefly covers all kind of Instruments' signals either digital, analogue or communicational signals and then extends these entire signals to Automation panels and performs controlling through SCADA and DCS system.
- **Designing and Installation** of control panels, Cable ladders & trays, Smoke, Heat Sensors & Fire Alarm Control Panels, Battery Chargers, CCTV and Motor Control Center. Briefly complete installation of all kind of instruments and electrical utilities and perform their automation and their testing and commissioning from power generation to product line.
- **Operation and maintenance** at entire plant and keep an eye on whole process and perform necessary troubleshooting repairing and recalibration of faulty electrical equipment and instruments.
- Manage the workers to their respective task and maintain the records, data log of daily checking and daily routine faults and Preparing a schedule and implement for daily, weekly and monthly inspection and maintenance of all kind of equipment needed as per their safety instruction and manuals from vendor.
- Responsible for 24 hour's smooth running of all equipment and in case of urgency should be available in odd hours.