**Mohamed**

[**Mohamed.374568@2freemail.com**](mailto:Mohamed.374568@2freemail.com)

**Senior Electrical Engineer**

Summary

* Having more than 10 Years of work experience in Electrical Projects, engineering, installation, commissioning, Maintenance & trouble-shooting
* Currently working as a Senior Electrical Engineer at Lafarge Holcim Cement LEC (Projects Dept.) in the large-scale rehabilitation Project
* *Excellent interpersonal and communication abilities, and possess a wide range of technical skills*
* Expertise in installing, testing, commissioning & maintenance of electrical equipments.
* Adept at Predictive, preventive and breakdown maintenance
* Effective communicator with assertive and strong leadership & analytical qualities
* *Enjoys being part of a team, as well as managing, motivating and training a productive team, and thrives in high pressure and challenging working environment*

**Field of Experience**

|  |  |
| --- | --- |
| * Plant Maintenance * MV Substations 11KV & 33KV * MCC & LV Switchboards * Frequency Drives * Repairing | * Construction projects * MV & LV Motors * Troubleshooting * Time management * Quality Control Analysis |

**Professional Experience**

* **Lafarge Holcim –LEC Egypt / Iraq business Unit – Project management team**

Title: Senior Electrical Engineer- Project management Team- November 2013 till present

Rehabilitation project of the cement plant and improve its operation

Duties & responsibilities:

* Evaluating and inspecting all plant Machineries & processes for the project decision either for renewal or repair
* Inspecting & overhauling of old Machines & devices that will not be replaced, preparing their spare parts for overhauling in order to bring back to operation
* Engineering & reviewing all technical details, consumers list, wiring diagrams, layout, installation, connections & operation of the New MDB & MCC, follow up contractors works
* Engineering of the new equipments installation and connection with the old system
* Improving the Cement Plant Performance by overhauling and modifying, taking into consideration the project time line and budget
* Good practice and Experience with Siemens equipments ( MV Protection Relays Siprotec , Motor Controllers MCC , Frequency Drives Micromaster , Sinamics) , & Vacon Drives
* Strict Supervision and planning for all Tasks of the contractors during installation and errection phases
* Preparing the commissioning standards and forms that are applied during the commission phase
* Assessing and reporting safety hazards during the project
* **Lafarge Cement Syria - Aleppo Cement Plant - Operation & Maintenance**

Title: Electrical Engineer-Section head – April 2010 till October 2013

LCS is a New cement production plant comprising one Grey Cement production (7500TPD) line approximately 3 million tons of cement annually, the Plant is located160 km northeast of Aleppo

Duties & responsibilities:

* A member of the commissioning team of the Plant, participated the commissioning from NLT to PAC
* Following up the Commissioning and contractual deficiencies during the commissioning phase.
* Responsible for the overall maintenance & troubleshooting of the electrical equipments
* Reviewing Machines Electrical drawings, documents and operational catalogues
* Developing Equipments Performance by modifying the hardwiring and programming the controllers
* Good practice and Experience with Siemens equipments (MV Relays Siprotec, Motor Controllers Simocode, Frequency Drives Micromaster & Sinamics),
* Ensuring high reliability, availability factors and reducing the downtime by applying the appropriate maintenance jobs for each equipment
* Analysis of repetitive equipment failures and taking the corrective actions to eliminate these failures
* Assessing and reporting safety hazards associated with maintenance of equipment



* **Lafarge Cement Algeria – Ciba Cement Plant-Algeria - Operation & Maintenance**

Title: Electrical Maintenance Engineer- December 2008 till December 2009

Ciba is a cement production plant comprising one White Cement (1500TPD) and one Grey Cement production (6200TPD) lines, Ciba is located in the Oran area, at the Western region of Algeria

Duties & responsibilities:

* Responsible for the overall maintenance of the electrical equipments found in the cement mills and packing areas
* Strong focus on the preventive maintenance procedures and schedules of the electrical equipments according to the manufacturers recommendations
* Good practice and Experience with ABB equipments (MV Relays Ref 542+, MV Motors, Frequency Drives)
* Ensuring high reliability, availability factors and reducing the downtime by applying the appropriate maintenance jobs on each equipment
* Analysis of repetitive equipment failures and taking the corrective actions to eliminate these failures
* Assessing and reporting safety hazards associated with maintenance of equipment
* **Lafarge Cement Algeria-ACC Cement Plant –Algeria –Operation & Maintenance**

Title: Electrical planning and preparation Engineer- July 2006 to December 2008

ACC is a cement production plant comprising two dry process production lines, each yielding 2.5 million tons of cement annually; ACC is located in the M'sila area, some 215 kilometers southeast of Algiers

Duties & responsibilities:

* Reviewing the complete cement plant Machinery, equipments & their spare parts,
* Making an action plan for managing and ordering spare parts for the plants equipments
* Evaluating the consumption rate of plant devices, equipments and defining abnormalities,
* Preparing the necessary spare parts to ensure the minimum down time and high availability with minimum maintenance,
* Evaluating offers taking into consideration the technical replacements of the requested spare parts with the offered ones and the compatibility study,
* Preparing the kilns overhauling schedules including the appropriate wearing parts changed or replaced through the overhaul.
* **ElSewedy Cable Company-United INDUSTRIES COMPANY**

Title: Production Engineer in the control cables factory

From March till May 2006

**Certificates and Attended Trainings**



* **PLC Siemens / VIPA Training (Germany Certified)-July2017**
  + Simatic S7 PLC Basic & Advanced Training
  + Scada (Wincc) & HMI Training Siemens
* **Project Management Professional (PMP Course)-March 2013**
  + PMP Course Certified from the PMI –by the RITI (Regional IT Institute-Cairo)
* **Siemens Germany – 2011.**
  + Training on Siemens G150-S150 Sinamics Drives
* **Siemens Egypt – 2011.**
  + Training on Siemens Micromaster Drives
* **ABB SWITZERLAND – 2007.**
  + Training on ABB MV rotating machines
  + Training on ABB Frequency drives: ACS 600 & ACS 800
  + Training on ABB MV Frequency drive ACS 1000
* **EGYPTIAN CEMENT COMPANY – 2004.**
  + Training in the Engineering and Workshop Department process 5
* **ABB SWITZERLAND – 2003.**
  + Training in the Automation Technologies Division
* **ABB EGYPT – 2002.**
  + Training in the Automation Technologies Division

**Education**

* **Faculty of Engineering - Cairo University**
  + B.Sc. of Electrical Power & Machines
  + Year of Graduation: **2005** Grade: Good
  + Graduation project: Computerized Test Bed for induction motors –Grade: Excellent
* **Secondary School: Integrated Thebes Language School**

Grade 94%

**Personal Information**

* Birth date: Feb10, 1983, Cairo-Egypt
* Marital Status: Married, one son
* Military Status: Exempted
* Languages:

Arabic: Mother Tongue

English: Excellent

**Computer Skills**

* **Microsoft:**

Word

Power point

Excel

Outlook

Project

Visio

* **Siemens**:

Simatic S7 Programming,

Siemens Starter VFD

Siemens Digsi MV Switchgear Tools

Siemens Wincc Scada

Siemens Simocode LV Switchgear

* **ABB**:

Drive Window

REF 542+ MV Switchgear Tools

References are available upon Request