



## CONTACT

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## SKILLS

- Project Management
- Public Relations
- Teamwork
- Time Management
- Leadership
- Effective Communication
- Critical Thinking
- Digital Marketing

## LANGUAGES

- Arabic (Fluent)
- English (Intermediate)

## PERSONAL DATA

Age: 41 Years

Marital Status: Married

Nationality :Egyptian

# MAHMOUD SALAH

## DESIGN MANAGER



### PROFILE

I am Electrical engineer - Power department with total 19 Years' experience in Electrical/protection Design for electrical Power substations & Medium Voltage SWGR.  
worked in designing of the EHV, HV Substations and MV components like Switchgear, Kiosks & RMU.



### WORK EXPERIENCE

#### DCS - Partner of Siemens - Egypt

2018 - PRESENT

Design Manager - MV

- Establish the medium voltage Design department in the DCS Company. Manufacturing a lot of MV Switchgears (SIMOPRIME), Kiosks & RMU.

#### ZJ Engineering& Construction - Saudi Arabia

Sr. Protection Design Engineer 2014 - 2018

- Working in designing of EHV Substations and MV Projects.

#### AI FANAR - DAR Engineering - Saudi Arabia

2008 - 2014

Protection Design Engineer

- Responsible for Preparing Base Design and Detail Design for the electrical power substations like single line diagram, Relaying & Metering one line diagram, Interlock logic diagram, CT and VT Calculations, signal lists, Relay Setting, Review the Schematic drawings for all panels in the substation and making interface between all panels along with Cable Schedule and termination chart.

#### EGEMAC - Egypt

2007 - 2008

Electrical Design Engineer

- Responsible for Preparing Schematic drawings for the electrical power substations, Medium and low voltage panels, required modifications in the existing panels/equipments, preparing technical offers for HV,MV &LV tenders and making interface between all panels along with Cable Schedule and termination chart.



### EDUCATION

#### Bachelor of Engineering

2001 - 2006

Electrical Power & Machines Dept./Ain Shams University

GPA: 67

## **ACHIEVEMENTS**

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- DCS - Partner of Siemens - Egypt: Establish the medium voltage Design department in the DCS Company. Manufacturing a lot of Medium Voltage Switchgears (SIMOPRIME), Kiosks & RMU.
- ZJ Engineering& construction - Saudi Arabia: Working in 115/13.8KV Substations Projects and MV SWGR.
- ALFANAR-DAR Engineering-Saudi Arabia: Commissioning a lot of 380/110/33/13.8KV Substations.
- EGEMAC - Egypt: Commissioning 220/66/22KV Substation, 66/11KV Substation ,modification in 66/11KV Substations , making a lot of ring main units & medium voltage switchboard 22 & 11 KV and Making a lot of low voltage distribution panels.

## **AT DCS-PARTNER OF SIEMENS – EGYPT**

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- A-Establish the Design dept. documents for medium voltage switchgears (SIMOPRIME), Kiosks & RMU.
- B-Prepare submittals shop & control drawings.
- C-Follow the Approval and attend any required meetings & site visits.
- D-Prepare Initial BOM, Final BOM & Production drawings.
- E-Attend inspection & testing of the products by the electricity companies at the Factory.
- F-Working as a project manager for the medium Voltage Projects.
- G- Design a lot of switchgears like Canadian university & People Park in new Capital , Toshka SWGRs, Dar Akbar Elyoum , 500 500 Hospital , many prisons (Wadi ElNatroon, AboZaabab, 15 May, Gamasa, Al Asher...etc), Al Obour Club, Dry Cheese Factory, Police Academy, Taj City, Tanta Hospital,.....etc

## **AT ZJ ENGINEERING& CONSTRUCTION – SAUDI ARABIA**

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- Working in Projects Tender Substations.
- Preparing Relay Setting Calculations for DAWADMI S/S and its Remote End & prepare As Built drawings.
- Working in Replacement of 13.8KV Switchgear KHAFJI SUB-2 Substation 115/13.8KV Project:
- Prepare Base Design for the project and coordinate with SEC and Suppliers.
- Review Base Design & Detail Design received from Suppliers.

# AT ALFANAR-DAR ENGINEERING – SAUDI ARABIA

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## A. New Madinah East 380/110/13.8KV BSP Project:

- Preparing the Single Line diagram, Relaying & Metering one line diagram and Interlock logic diagram.
- Preparing Signal lists for (annunciation panel, SCADA IFC panel, TFR panel, DSM panel & SOE panel).
- CT & VT Calculations& Relay setting.
- Making interface between the panels.
- Review the Schematic drawings of all panels.
- Prepare cable schedule and termination chart.
- Review Base Design and detail design for all panels/equipments.
- Site visit to collect the required existing drawings/Data.
- Attend meetings with client/suppliers.

## B. Jeddah North West 380/110/13.8KV BSP Project:

- Preparing the Single Line diagram, Relaying & Metering one line diagram and Interlock logic diagram.
- Preparing Signal lists for (annunciation panel, SCADA IFC panel, TFR panel, DSM panel & SOE panel).
- CT & VT Calculations& Relay setting.
- Making interface between the panels.
- Review the Schematic drawings of all panels.
- Prepare cable schedule and termination chart.
- Review Base Design and detail design for all panels/equipments.
- Site visit to collect the required existing drawings/Data.
- Attend meetings with client/suppliers.

## C. Makkah North 380/110/13.8KV BSP Project: (Including more S/S like TAIF, AL SAWAMLLAH, RABIGH,...)

- Preparing the Single Line diagram, Relaying & Metering one line diagram and Interlock logic diagram.
- Preparing Signal lists for (SAS Signal List, TFR panel).
- CT & VT Calculations& Relay setting.
- Making interface between the panels.
- Review the Schematic drawings of all panels.
- Prepare cable schedule and termination chart.
- Review Base Design and detail design for all panels/equipments.
- Site visit to collect the required existing drawings/Data.

## D. UMLUJJ North 380/110/33/13.8KV BSP Project:

- Review Base Design and detail design for all panels/equipments
- Preparing the Single Line diagram, Relaying & Metering one line diagram and Interlock logic diagram.
- Preparing Signal lists for (SAS Signal List, TFR panel).
- CT & VT Calculations.
- Review the relay list, panel list, 380KV& 110KV GIS Base design and BCT Data for all Transformers.
- Review the Schematic drawings of all panels.
- Site visit to collect the required existing drawings/Data.
- Attend meetings with client/suppliers.

## E. AL MASHAAR 380/110/13.8KV BSP Project:(same as above)

## A. Abu Gandeer 66/11KV S/S Project:

- Preparing the Schematic drawings of all panels.
- Making interface between the panels.
- preparation of purchasing orders and gives approval on proffers.
- Making modification work in the panels/equipments circuits.

## B. New El Nabq 220/66/22KV S/S Project:

- Preparing the Schematic drawings of all panels.
- Making interface between the panels.
- preparation of purchasing orders and gives approval on proffers.
- Making modification work in the panels/equipments circuits.

## C. AL RAHMANIA 66/11KV S/S Project:

- Preparing the Schematic drawings of all panels.
- Making interface between the panels.
- preparation of purchasing orders and gives approval on proffers.
- Making modification work in the panels/equipments circuits.

## D. EL ZAGAZIG 220/66/22KV S/S Project:

- Making modification work in the panels/equipments circuits.
- Making interface between the panels.

## E. Medium and Low voltage panels:

- Making a lot of ring main units & medium voltage switchboard 22 & 11 KV (8BD&8BK).
- Making a lot of low voltage distribution panels.
- Preparation of technical offers for high, medium and low voltage tenders.

## TRAINING COURSES ATTENDED

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- Shobra ElKhima SEK Power generation Station.
- Protection Relays programming course with M/s Siemens.
- SIEMENS training in Turkey for MV SWGR - SIMOPRIME.
- SIEMENS Training in China for MV RMU - SIMOSEC.
- A lot of Webinars training with M/s SIEMENS.