

## THE ENGINEER IN CHARGE

# Eng. Mohammed Mohsin M. Hassan

Consultant Electrical Engineer · BSc Electrical Engineering — 1991

An electrical engineer with more than thirty years designing, executing and supervising electrical, infrastructure and power projects.

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## THE SOLAR RECORD

This is what the customer buys

30+

homes completed end to end with a full MDOZN system.

2

customers on MASHINI.

Day one

On every site, the electrical problems already there before we arrived were treated.

## WHAT HE DOES

From study to handover

### Study & electrical design

- Studying projects and analysing design and execution requirements
- Preparing electrical designs for service, industrial and residential projects
- Load calculation and sizing transformers, generators and panels

### Networks & protection systems

- MV and LV network design
- Earthing, lightning protection and overvoltage protection
- Underground cable networks, cable trays and ducting
- Indoor, outdoor and street lighting

### Special systems & control panels

- Fire alarm, telecom, data and CCTV
- MCC panels and main/sub distribution boards
- Coordination across electrical, mechanical and civil works

### Delivery & management

- BoQs and cost estimates
- Technical bid evaluation
- Supervision, testing, commissioning and final handover
- Solar system design, calculation and execution supervision

## FLAGSHIP PROJECTS

Three projects that cannot afford a mistake

### Nahrawan Sewage Project

#### Client

Municipal authorities

#### Role

Design, execution, supervision and audit of the electrical works  
Took part in designing, executing and supervising the electrical systems for the sewage treatment plant and its lift stations.

### Al-Amarah National University

#### Client

Al-Amarah National University

#### Role

Electrical design  
Prepared the electrical designs covering distribution networks, lighting, power outlets, panels and earthing.

### Heart Hospital — Nasiriyah

#### Client

Ministry of Health / Dhi Qar

#### Role

Supervision, redesign and execution of the electrical works  
Supervised, redesigned and executed all electrical works, including substations, cable and telecom networks, lighting and earthing.

## PROJECT RECORD

### Nine more institutional projects

#### Youth & sports (2)

- Samawah Olympic pool — Ministry of Youth and Sports
- Diwaniyah Olympic pool — Ministry of Youth and Sports

#### Water & municipal works (2)

- Great Kut Water Project — Ministry of Municipalities and Public Works
- Nukrat al-Salman R.O. water plant — Ministry of Municipalities and Public Works

#### Interior security (2)

- Control room — Ministry of Interior / Federal Police Command
- New Border Forces Command HQ, Ramadi — Ministry of Interior

#### Government & investment projects (3)

- Karbala Governorate government complex
- Al-Buhaira residential complex — 4,000 units
- New Al-Quds overpass — Baladiyat/Obeidi junction

And over eight years, from 1994 to 2002, he executed electrical works for Al-Faw General Engineering Company, including the Baghdad International Fair, multiple workshops, factories and administrative buildings, and cable-laying with electrical and control panel installation for industrial and service facilities.

#### Engineering software

AutoCAD · SketchUp · Microsoft Office

### Ready to follow your system

I follow every system from the first study through final handover.

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