

**Karim Guessmi**  
**Senior electrical engineering technician**  
*Bargou-siliana-Tunisia, 6170 / 97750985*  
*guessmi1978@gmail.com*

Dynamic lead technician skilled in troubleshooting, overhauls, installations, adjustments and repairs on a variety of electronic equipment. Licensed electrician in Tunisia with over 15 years' experience servicing appliances PV Solar and air conditioners, Successful in applying electronics and electrical circuit expertise to a variety of practical problems. Ability to investigate and diagnose problems and perform root cause analysis. Understands technical information and designs effective, forward-thinking solutions that help customers achieve their business objectives Areas of expertise include troubleshooting, diagnostics and repairs. With expertise in installing systems and performing electrical tests in accordance with electrical schematics and specifications. Works well with technical and non-technical personnel to achieve common goals. Experience in training and supervising teams. Enthusiastic about working with engineers to design, test and improve plans. Looking for a chance to apply expertise to a new role with a progressive organization.

## **EXPERIENCE**

### **Chief electrical engineering technician**

May 2013 - Present

#### ***Ministry of higher education and scientific research of Tunisia.***

- > Conduct tests on electrical cabinets; identify the source of the malfunction, repair and then check that the system is operating correctly.
- > Installation of cables and trucking according to the distribution plan, connection to the electrical cabinet, functional tests.
- > Installation and connection of electrical cabinets to domestic or industrial equipment.
- > Installations of electrical equipment (homes, professional offices), connection to distribution board, verification of electrical work.
- > Installation of solar panels, domestic batteries and recharging stations.
- > Troubleshooting electrical installations, diagnosing problems and taking corrective action where necessary.
- > Analyze plans and diagrams to determine the location of components and establish secure electrical connections.
- > Monitoring technological and regulatory developments impacting the business.

### **Chief technician in electrical engineering**

Apr 2012 - Jun 2013

#### ***Energy technology research center, Borj cedria technology park-Tunisia***

- > Electrical installation troubleshooting: fault diagnosis, repair or corrective maintenance work (fuse replacement, cable replacement, etc.).
- > Electrical work on construction sites, laying cable trays and electrical equipment.
- > Preparing work, consulting electrical network diagrams, identifying corrective or upgrading work to be carried out.
- > Examination of the work area and risk analysis, securing the site to avoid any risk of physical or material accident.
- > Start-up of complete installations and advice for new technicians on their use and operation.
- Proposing innovative solutions based on experience in the field and carrying out the necessary research

- solar and photovoltaic panel installation.
- > Refrigeration specialist:
  - Installation and start-up of cold rooms.
  - Refrigeration diagnostics and repairs.
  - Troubleshooting...

## **Trainer in building electricity and electronics**

Apr 2008 - Apr 2012

*Tunisian Vocational Training and Employment Agency, Siliana apprenticeship training center*

- > Trainer in building electricity, industrial maintenance and refrigeration at the Siliana Formation d'apprentissage CFA siliana
- > Train trainees in industrial electricity, building electricity, industrial maintenance, automation and electronics.
- > Creation of teaching aids to guide trainees through the course, including a PowerPoint presentation summarizing the topics covered.
- > Choice of pedagogical tools to improve the quality of training delivery and the transmission of pedagogical content.
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## **EDUCATION**

### **Master's Degree - electricity and electronics**

Sep 1999 - Jun 2004

*Tunis Higher School of Science and Technology, Tunisia*

## **SKILLS**

**Expert in:** Problem-solving, Teamwork, Mechanical aptitude, Time management, Analytical thinking, Maintenance, AC/DC Fundamentals, Test Equipment, Installation, Power Distribution, Motor Controls, Troubleshooting

**Intermediate in:** PV solar

## **LICENSES & CERTIFICATIONS**

### **ATF 16949:2016 -INTERNATIONAL AUDITOR**

2020

*TUV RHEINLAND MAGHREB TUNIS*

### **Safety Manager OHSM**

2020

*AFAQ AFNOR INTERNATIONAL TUNIS*

### **Microsoft word and excel**

2019

*4c-siliana*

### **ISO 9001:2015 requirements**

2015

*BMCAF TUNIS*