



Oussama Elhassnaoui

Technician Specialized in Automation and Industrial Instrumentation

Hello! I'm Oussama Elhassnaoui, 25 years, a technician specializing in automation systems and industrial. I transform complex technical challenges into effective realistic solutions—no magic, just logic, precision, and a deep passion.

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Education



Specialized Technician in Automation and Industrial Instrumentation

ISTA Med Elfassi, Errachidia

2022

High school diploma in Physical Science

Sijilmassa high school

2019

Skills



// PROFESSIONAL

- PLCs Programming Siemens/TIA Portal.
- PLCs Programming Schneider/Unity-pro.
- Conception Electric : SolidWorks Electrical.
- Communication Protocols : Profibus Profinet, Modbus, Ethernet/IP.
- Maintenance of electric motors and pumps.
- Installation and maintenance of solar energy systems and VFD.
- Computer Skills : Node-Red, Word, Excel PowerPoint, 3DBlender.
- Maintenance of electrical, electronic and pneumatic systems.
- Programming with HTML5 / CSS3 / C++.

// Soft Skills

- Self Learner.
- Strong team player
- Creativity and organization
- Time Management

Langues



Arabic : main language

French : intermediate

English : excellent

Work Experience



Since 2023 Until Now: Installation and maintenance technician of solar energy systems and electrical pumps:

- Ensure and coordinate preventive and corrective maintenance.
- Anticipate breakdowns by monitoring and maintaining machines.
- Programming variators speed Driver.
- Assembly and installation of solar energy panels.
- Maintenance of pumping motors: electrical and mechanical parts..
- Wiring and construction of electrical Panels.
- Installation and programming of intelligent systems and home automation.

2022 Trainee technician as a head of security and train traffic

National Office of Railways, Rabat

- Ensures the proper operation of electrical power equipment on power lines.
- Ensures the proper operation of cut-off and control devices.
- Interacts with cut-off devices in emergency situations: circuit breakers, disconnectors, and switches.

2022 Internship of training at the National Office of Electricity and Portable Water Electricity Branch

National Office of Electricity , Errachidia

- Maintenance and diagnostics of electrical systems.
- Maintenance and diagnostics of HTA/BT substations.
- Updating of power transformer protection systems.
- Controlling faults in source substations.
- Providing preventive maintenance of circuit breaker maintenance "SF6/Oil."

Projects



HMI Project: Rive Features + Node-RED Technology with PLC

- Rive's Interactive Features: State machines, smooth animations, real-time interactions.
- Node-RED's Industrial Technology: Flow-based programming, PLC connectivity and protocol handling.

Home automation project Using ESP8266, Sinric Pro-API

- Combines the power of ESP8266, Sinric Pro, and Alexa Home Assistant to bring intelligent control by managing devices with voice commands and remote control.