

ELMOBARKY ISMAIYL

Industrial Automation & Electrical Maintenance Specialist

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🚗 Full Category B Driving License 🌐 Elmobarky ismaiyl 🔗 elmobarkyismail.com



PROFESSIONAL PROFILE

Industrial Automation and Electrical Maintenance Specialist with over 3 years of experience in mining operations at OCP Phosboucraa. Skilled in PLC/SCADA systems, troubleshooting, industrial automation, and equipment reliability improvement.

PROFESSIONAL EXPERIENCE

Electrical Maintenance & Industrial Automation Team Leader, OCP Phosboucraa – Extraction Entity, Boucraa, Morocco
12/2023 – Present | Boucraa, Maroc

Assignments performed through:

JALISCOCARs (November 2025 – Present)

AB Maintenance (December 2023 – October 2025)

- Led maintenance operations for industrial electrical and automation systems.
- Coordinated teams of electricians and automation technicians in a mining environment.
- Contributed to production availability through efficient maintenance planning and execution.
- Enhanced PLC and SCADA systems to improve equipment reliability and operational efficiency.

Maintenance Technician & Automation Technician, STE Wlad HADDI .SARL

04/2023 – 12/2023 | Boucraa, Maroc

Subcontractor at OCP Phosboucraa Mining Operations :

- Performed preventive and corrective maintenance on industrial equipment including conveyors, screens, and stackers.
- Diagnosed and resolved electrical and automation faults.
- Programmed and optimized PLC, HMI, and SCADA systems.
- Operated, monitored, and maintained HV/MV electrical substations, transformers, switchgear, and protection systems.
- Configured and commissioned protection relays including SEPAM Series 80 and Multilin F650.
- Read, updated, and maintained electrical schematics and technical documentation.

PROJECTS

Optimization Project, Remote Control of Phosphate Stacker 01
07/2024 – 08/2024

OCP Phosboucraa – Extraction Operations, Morocco

- Designed and implemented a remote-control system for a phosphate stacker.
- Integrated an ergonomic operator station with control interfaces, real-time SCADA monitoring, and a video surveillance system.
- Improved working conditions, operator safety, and overall equipment productivity.

Interests

Technology, Sports, Reading, Travel.

EDUCATION

Professional Bachelor's Degree in Industrial Maintenance and Operations, Higher School of Technology (EST)
2020 – 2021 | Agadir, Maroc

University Diploma of Technology (DUT) in Electrical Engineering, Higher School of Technology (EST)
2018 – 2020 | Agadir, Maroc

Technical Baccalaureate in Electrical Science and Technology (STE), Al Idrissi Technical High School
2018 | Agadir, Maroc

TECHNICAL SKILLS

Industrial Maintenance :

- Preventive, corrective, and improvement maintenance.
- Electrical troubleshooting and fault diagnosis.

Industrial Automation & SCADA :

- Schneider Electric, Siemens, Mitsubishi Electric, General Electric, Allen-Bradley.
- WinCC, CIMPLICITY, Vijeo Citect.

PLC Programming :

- Ladder Logic, Grafcet, Function Block Diagram (FBD).

Development Platforms :

- PAC Machine Edition, EcoStruxure Control Expert, TIA Portal, RSLogix, GX Works.

Electrical Systems & Power Distribution :

- AC, DC, and synchronous motors.
- HV/MV power transformers.
- HV, MV, and LV electrical distribution systems.

Protection Relays :

- Configuration, testing, commissioning, and maintenance of digital protection relays: SEPAM Series 80, Multilin F650, SIPROTEC 7SJ66, MM300.
- Software: EnerVista, SFT2841, DIGSI 4.

Softwares :

- Microsoft Office, AutoCAD Electrical, Arduino IDE.

Languages :

- Arabic, French, English, Tamazight

CERTIFICATIONS & TRAINING

Forklift Operator Certification (R489 & R485), Public Laboratory for Testing and Studies (LPEE), Morocco
2025 | Boucraa, Maroc

OCP HSE Life-Saving Rules Certification, OCP Group – Phosboucraa
2024 | Boucraa, Maroc