

LEBCIR BAHA EDDINE

Senior Technician in Instrumentation and Maintenance

Contact Information:

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SUMMARY

highly experienced Senior Technician with 9 years of expertise in instrumentation and industrial maintenance. Proficient in gas analysis system management, calibration, and troubleshooting of industrial instruments. Possess strong technical knowledge in data acquisition, process optimization, and regulatory compliance. Advanced level in English and basic level in French (A2). Seeking new professional opportunities to leverage my skills and contribute to advanced industrial systems in a modern environment.

EXPERIENCE

- **Senior Technician in Instrumentation**

S.P.A Biskria Ciment – Biskra, Algeria

Jan 2024 – Present

Gas Analyzer System Calibration: Perform precise calibration of gas analyzers and sampling probes in cement kilns, ensuring accurate monitoring of CO, NO_x, SO₂, and O₂ levels for process optimization and environmental compliance.

System Configuration & Maintenance: Oversee the setup and continuous maintenance of gas analysis systems, including sample conditioning units, gas analyzers, and control modules to ensure optimal functionality and reliability.

Probe Maintenance: Conduct regular cleaning, calibration, and filter replacements for sampling probes, ensuring accurate sample collection and preventing blockages.

Guardian Analyzer Management: Configure and maintain the Guardian system, protecting gas analyzers from particulate and liquid contamination, and managing HMI parameters for liquid bypass and pressure control.

Data Reporting & Analysis: Monitor gas trends using HMI and data acquisition tools, providing detailed reports and actionable insights for process optimization.

Maintenance Technician in Instrumentation and Automation

Preventive & Corrective Maintenance: Conduct routine inspections, troubleshooting, and repairs of instrumentation systems to maintain efficient and reliable operations.

Instrument Calibration: Calibrated critical sensors and control instruments, including temperature sensors, pressure transmitters, and flow meters, to ensure process accuracy and product quality.

System Optimization: Identified and implemented process improvements, optimizing instrumentation and automation systems for enhanced performance and safety.

- **System Technician**
S.P.A Biskria Ciment – Biskra, Algeria
Sep 2017 – Oct 2022

Connectivity Verification: Ensured seamless data transmission across production lines by verifying communication system integrity (fiber optics, Ethernet, RJ45, Profibus).

Signal Monitoring & Diagnostics: Monitored 4-20 mA signals to ensure compliance with operational parameters, identifying discrepancies and performing necessary corrective actions.

PLC Operation: Gained hands-on experience with PLCs (Siemens S7 series, ABB, Schneider), troubleshooting system issues and optimizing control loops.

- **Maintenance Technician in Instrumentation and Automation**
S.P.A Biskria Ciment – Biskra, Algeria
Mar 2016 – Sep 2017

Fault Diagnosis: Diagnosed and repaired instrumentation faults in the expedition zone, ensuring minimal downtime.

Preventive Maintenance: Executed scheduled preventive maintenance on instrumentation systems during shutdowns to enhance reliability and prevent malfunctions.

- **Apprentice**
S.P.A Biskria Cement – Biskra, Algeria
Sep 2015 – Feb 2016

Control Cabinet Wiring: Assisted in wiring control cabinets, ensuring proper installation of relays, circuit breakers, and power supplies to maintain system integrity.

Low Voltage System Installation: Supported the installation of low-voltage control cables, ensuring proper routing and adherence to safety standards.

EDUCATION

BTS in Industrial Electronics
National Institute Hassani Bounab – Biskra, Algeria
April 2015

Languages

English: Fluent (C2)

French: Elementary (A2)