

# MHAMMED ANOUAR SAIED

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## PROFESSIONAL SUMMARY

Instrumentation & Metrology Engineer with 6 years of experience in ISO/IEC 17025 accredited oil & gas testing laboratories. Specialized in pressure and hydrostatic testing, measurement uncertainty evaluation (ISO/IEC Guide 98-3 – GUM), metrological traceability, and laboratory quality management systems. Experienced in internal audits, external accreditation assessments, and technical team leadership in high-pressure industrial environments. Strong background in API standards compliance and continuous laboratory performance improvement.

## Experience

- **NOC Algeria** 2023 - On going  
Laboratory Technical Manager
  - Manage ISO/IEC 17025 accredited laboratory operations for oil & gas pressure testing activities.
  - Evaluate and calculate measurement uncertainty in accordance with ISO/IEC Guide 98-3 (GUM).
  - Develop and review uncertainty budgets for pressure and mechanical testing.
  - Ensure metrological traceability of measurement results to international standards.
  - Lead and supervise a team of 5 laboratory personnel ensuring technical competence and training.
  - Conducted and led 5 internal audits in compliance with ISO/IEC 17025 requirements.
  - Successfully participated in 2 external accreditation assessments conducted by ALGERAC.
  - Managed corrective actions (CAPA) and resolved non-conformities raised during audits.
  - Validate and approve technical reports and compliance documentation.
  - Maintain HSE compliance in high-pressure testing environments (up to 15,000 psi).
- **Foraid group** 2019 - 2023  
Laboratory Technician
  - Performed hydrostatic and mechanical pressure testing on valves and oilfield equipment.
  - Conducted inspections in compliance with API 6A, 6D, 598, RP 576, and RP 527.
  - Supported calibration and verification of pressure gauges and measurement instruments.
  - Operated automated test benches (VENTIL, Metrus).
  - Prepared technical reports and managed non-conformities (NCR).

## Education

- Master's Degree in Instrumentation 2019  
Djilali Liabes University
- Bachelor's Degree in Fundamental Electronics 2017  
Djilali Liabes University
- Certificates in Instrumentation, Industrial Electricity 2021

## Core Competencies

- ISO/IEC 17025 Laboratory Compliance
- Measurement Uncertainty Evaluation (GUM Methodology)
- Uncertainty Budget Development
- Metrological Traceability
- Internal Audit (ISO/IEC 17025)
- Accreditation Assessment Support
- Risk-Based Thinking & Process Improvement
- Pressure & Hydrostatic Testing (Up to 15,000 psi)
- API Standards (6A, 6D, 598, RP 576, RP 527)
- Testing & Verification of Measuring Instruments
- Statistical Analysis & Quality Control
- Team Leadership (5 Personnel)
- HSE Compliance – Oil & Gas Facilities

## Certificates

- ISO/IEC 17025
- API RP 576
- API RP 527
- Industrial electricity
- HSE conditions