



# Curriculum Vitae

## **LALMI HAMZA**

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### **Civil Statut**

- Date of Birth : 16/02/1976
- Place of Birth : El Abiodh Sidi Cheikh. El-Bayadh. Algeria
- National Service : Degaged
- Nationality : Algerian
- Level : Master degree in electrical engineering and a PhD student in electrical networks.
- Marital status : Married

### **Educations**

**From 1983 to 1988**

**From 1992 to 1994**

**From 1989 to 1991**

**From 1994 to 1999**

**From 2018 to 2019**

**From 2019 to 2021**

**In 2022**

- Primary education at El-Amir AEK school in El-abiodh Sidi Cheikh
- Average education at CEM Saous Dine in El-abiodh Sidi Cheikh
- Secondary education at high school of Cheikh Bouamama in El-Abiodh sidi cheikh. Algeria
- University studies for superior Technician in **Electrical Engineering** at the National Institute of Electricity and Electronics (INELEC) in Boumerdes. **Algeria.**
- Bachelor degree in Electrical Engineering from the university of Bechar Algeria
- Master degree in Electrical Networks Engineering from the university of Bechar Algeria
- Successful completion of the PhD competition at the university USTHB of Bab EL-Zouar in Algiers. I am working in the research entitled:

**\*\*Multi-agent management of interconnected smart microgrids and integrating hybrid storage systems\*\***

*In French:*

**\*\*Gestion multi-agents des smart microgrids interconnectés et intégrant des systèmes de stockages hybride \*\***

## Acquired Diplomas

Year 1994

- *First baccalaureate in Exact Sciences. Grade: **Good***

Year 1999

- *Superior technician in Electrical Engineering.*

*Grade: **Good***

*Grade of the end studies memory: **Very Good***

Year 1999

- *Certificate of formation in English (The studying language in the university was **ENGLISH**)*

Year 1999

- *Another baccalaureate in Exact Sciences.*

Year 2001

- *Formation of Specialized Technician in Electricity distribution from SONELGAZ School in Blida Algeria. Grade: **First**.*

Year 2002

- *Formation of Principal Technician on mounting indoor and outdoor terminations and junction's boxes Grade: **First**.*

Year 2012

- *Formation of industrial maintenance of control panels. Option: Troubleshooting and installation of electrical equipments and industrial electronics.*

Year 2013

- *Formation of Principal Technician as electrical site inspector and designer.*

Year 2019

- *Bachelor degree in Electrical Engineering from the university of Bechar Algeria. Grade: **First**.*

Year 2021

- *Master degree in Electrical Networks Engineering from the university of Bechar Algeria. Grade: **First**.*

Year 2022

- *Success in entering Doctorate cycle in electrical networks.*

## Employment

From 03 / 06 / 2000 to nowadays

**SONELGAZ** is the leader and esteemed company in the domain of electricity production, electricity and gas transmission and distribution in ALGERIA.

*I have occupied many roles in the company such as: **Electrical designer, Electrical commissioning and maintenance engineer, Team leader, Electrical supervisor, Electrical inspector, Quality controller, Project director and charged of logistics.***

*Great experience in quality management system (QMS), quality control and quality assurance as well as in-depth knowledge in Logistics.*

*I have 23 years' experience in the maintenance, installation, commissioning, dismantling, troubleshooting of HV and LV overhead lines, underground cables and electrical substations of 30KV, 10KV and 400V distribution networks with extensive expertise in the detailed design and supervision of the construction of new electrical networks.*

*Strong knowledge of electrical generation transmission, power distribution systems, switchgear, motors, protection systems, earthing systems and control panels in industrial environments and experience supporting electrical design throughout all project phases, including pre-FEED, FEED, detailed design, procurement, construction, and operation.*

*Ability to handle multiple assignments simultaneously, set realistic goals, and complete commitments on schedule. Proven ability to anticipate, assist, and respond quickly to business unit needs that affect safe and reliable operations.*

## Experience and careers

- **As an electrical designer:**

- Duties and responsibilities:*

- Design of low and medium voltages networks
  - Dealing with the consumers and managing their concerns and problems with demonstrated experience in sale and marketing.
  - Placing and removing counters
  - Dealing with low and medium voltages networks plans; O/H lines code networks and safety standards.
  - Perform other related duties as needed upon request by the immediate supervisor.

- **As occupied by commissioning and maintenance of electrical networks:**

- Duties and responsibilities:*

- Quick restoration of supply in case of loss of supply to sensitive consumers
  - Follow up repairing of OHL faults in 30KV and 400V networks.
  - Ensure proper routine inspection of networks in order to detect the weak points and rectify before breakdown to improve the system reliability.
  - Commissioning, measuring, controlling and testing equipments and networks
  - Follow up Repairing of Substation faults in the 30KV/400V networks from reporting to restoration of supply.
  - Study and analyze the faults in the 30KV / 400V / LT O/H lines and underground cables distribution networks, prepare fault reports and take remedial action.
  - React effectively to technical support of field equipment breakdowns in timely manner in and out of working hours when required.
  - Provide technical evaluation for the 30KV / 400V / LT O/H lines materials based on the up to date international standards and history of performance.
  - Identify the weaknesses of the system from the operational and maintenance point of view and prepare suggestions/recommendations to the concerned staff for remedial actions in order to obtain the most effective solutions of the system problems.
  - Prepare and supervise the execution of the annual and weekly preventive and corrective maintenance plans
  - Confirm the priorities for the preventive maintenance of the switchgears and replacement.
  - Confirm and manage the maintenance contracts and monitors both quality as well as quantity.
  - Prepare the operational memorandum with the introduction of new equipments and changed situation. Technical guide lines procedure is to be followed.
  - Coordinate with other sections to execute maintenance plan in high quality manners, confirm quality of work and updating all records by all concerned staff.
  - Share preparation of the technical Evaluation of the new maintenance contracts and the required materials either new or existing to ensure with

other concerned staff the availability of maintenance equipment and materials.

- *Share experiences with the other related Sections/Departments for introduction of the latest technology in the field of Electricity Distribution.*

- **As occupied by mounting boxes:**

- Duties and responsibilities:**

- *Besides the precedent functions*
  - *Mounting 10KV and 30KV indoor and outdoor terminations and junction's boxes.*
  - *Supervising and teaching trainers on how mounting the different boxes.*

- **As a Team Leader:**

- Duties and responsibilities:**

- *Coordinating a team of colleagues to ensure they consistently deliver outstanding service. Coach, train and motivate the team members.*
  - *Monitoring team performance and providing constructive feedback.*
  - *Inducting new recruits and helping them to settle in and train them.*
  - *Setting team rotas, managing absences and coordinating holiday leave.*
  - *Leading by example, setting targets and motivating team members.*
  - *Ensuring customer service standards remain high and continually looking for ways to improve. Respect and handling positive attitude.*
  - *Encouraging the staff to collaborate and running quarterly staff appraisals for team members and creating progress plans*
  - *Making sure the team adhere to health & safety policies at all times*

- **As an electrical site supervisor and designer:**

- Duties and responsibilities:**

- *Design of new electrical networks and coordinate with draftsmen for their drawing preparation to execute. Review the new drawings prior to submit to consultant.*
  - *Make quantity take off for all material required.*
  - *Review material submittal prior to submit to consultant*
  - *Coordinate with main contractor/ consultant.*
  - *Participate where required in all aspects of the project management for the electrical works.*
  - *Manage and supervise the on all site electrical works.*
  - *Ensure that the Contractor is following safety procedures and that the works are carried out in a safe manner in accordance with the project safety plan.*
  - *Undertake the detailed short term planning and co-ordination at site in accordance with the master program.*
  - *Ensure that all informations are available to undertake the works.*

- *Ensure that all materials are correctly stored at site and installed without damage to undertake the works.*
- *Arrange the required tools and equipment to be available at site.*
- *Control of the quality and technical correctness of the installation in accordance with the project quality assurance plan.*
- *Allocate the workforce to areas of the site based on the program, nature of the works and the skills required.*
- *Coordinate and direct the electrical contractor in coordination with other services and finishes.*
- *Inspect site deliveries, installed, constructed work and all elements of the new installations and constructions and provide feedback to the related electrical services on quality to ensure compliance of the installation with the design drawings, specification, rules and regulations.*
- *Issue field observation report and non conformance report to the related manager.*
- *Co-ordinate with the main contractor and other sub-contractors at site.*
- *Snag outstanding/defective minor work for Contractor to action.*
- *Set targets and monitor the productivity of the workforce at site.*
- *Oversee mobilization, installation & commissioning phase of the new projects ensuring completion in accordance with international safety standards and procedures.*
- *Maintains records of the changes to the working drawings to enable the record drawings to be produced.*
- *Review 'As Built' drawings and 'Operation and Maintenance Manuals' to ensure correctness, completeness and that they are in-line with the specifications.*
- *Witness testing and commissioning of Electrical Installation in order to ensure that the systems are achieving their intended performance*
- *Manages the system testing and commissioning.*
- *Managing the execution of building services as a contractor like power, lighting, MV, LV, cables routing & termination, Earthing, Electrical Panels, control systems, low current implementation, testing & commissioning, etc. capable of supervising detailed engineering works, coordinated executing drawings, technical submittals, liaison with consultants, coordinate with various disciplines and site supervision.*

**• As an electrical inspector:**

**Duties and responsibilities:**

- *Provide general inspection on all construction and subcontractor work to assure a safe and workmanlike operation.*
- *Verify equipment settings alignment and testing and energization requirements.*
- *Evaluate and monitor adequacy of Contractor Quality Control (CQC) programs.*
- *Review and understand the drawings, specifications and data sheets, and insure that the correct instrument, switch, control panel, meter, actuator, etc., is installed, adjusted and tested in compliance with the specifications.*

- *Verification, explanation and clarification (in verbal and written form) of erection documentation to erection forces.*
- *Performs electrical plan reviews of plans submitted for review, plans for schools, hospitals, other commercial construction, large residential construction, and plans for other projects deemed of sufficient complexity to require plans to be submitted.*
- *Performs plan reviews of plans submitted to the Public Works Department for approval.*
- *Performs on-site inspections of electrical installations, pursuant to the National Electrical Code.*
- *Performs on-site inspections of projects requiring Public Works Department inspection approval to verify compliance with electrical code requirements and contract specifications*
- *Answers questions in the field, on the telephone, and at the counter, and assists citizens in understanding code requirements to achieve compliance.*

**• As a quality controller:**

*Duties and responsibilities:*

- *Carry out quality assessment measures of all the products ready to be installed and incoming materials and equipment's.*
- *Ensuring that all materials adhere to quality and ISO standards.*
- *Take a thorough look at the plans, specifications, and blueprints to understand the product requirements.*
- *Measure material and equipment's dimensions, examine their functionality.*
- *Reject all the incoming materials that fail to meet quality expectations and report the issue to the concerned department at the earliest.*
- *Resolving quality-related issues and adhering to deadlines.*
- *Providing training to the quality assurance team.*
- *Design an efficient design protocol that can be used across all domain.*
- *Prepare documentation of the inspection process, which includes detailed reports and performance records.*
- *Recommend improvement measures to the construction process to ensure quality control standards are met.*
- *Guide the production team about the quality control issues to enhance the quality of the product.*
- *Monitor customer satisfaction levels and customer satisfaction levels.*
- *Apply statistical process control (SPC) methods for analysing data to evaluate current process and change process.*

- **As a project director (Plus logistics):**

- Duties and responsibilities:(till the current time)*

- *Prepare design and construction packages for HV substation and PV plant modifications, upgrade, replacement and administrate for any associated changes during operation.*
  - *Input and maintenance of the contract execution plan to include definition on project objectives and strategies, work scope, risk and opportunities, overall work plan and schedule, financial plan, quality, and safety requirements.*
  - *Ensuring that projects operate in accordance with the company policies and procedures through performing regular Site HSE Management visits and providing report delivery performance.*
  - *Strategically plan and manage logistics, warehouses, transportation and customer services.*
  - *Direct, optimize and coordinate the desired set targets.*
  - *Meet project cost productivity, accuracy and timeliness targets.*
  - *Liaise and negotiate with suppliers, manufacturer, vendors, dealers and internal stakeholders.*
  - *Keep track of quality, quantity, delivery times, stock levels, cost transportation and efficiency.*
  - *Maintain metrics and analyze data to assess performance and implement improvements.*
  - *Resolve any arising problems and complaints.*
  - *Lead technical portion of major electrical equipment purchase through the entire procurement cycle, including specification, bid evaluation, contractor qualification, vendor selection, inspection plan development, and spare parts recommendation.*
  - *Provide technical support to contractors and vendors during design and construction to resolve any technical queries.*
  - *Prepare technical specifications, design basis, concept design, budgetary estimates, and all necessary work documents.*
  - *Perform technical evaluations of project proposals to ensure conformance to the general scope of work.*
  - *Provide technical direction and support in construction efforts, commissioning, and start-up and assist with troubleshooting or problem-solving required to meet installation deadlines.*
  - *Work and effectively communicate with a construction team to execute assigned project.*
  - *Work closely with electrical specialists to provide technical support for troubleshooting, problem-solving, and failure analysis related to electrical installation failures at the different facilities.*
  - *Prepare technical recommendations through the collection, analysis, and summary of data and trends, as well as identify optimization opportunities and initiate plant equipment replacement, improvement, and modification projects.*
  - *Effective Change Management by ensuring that variation requests, contract amendment requests and claims are submitted in accordance with contract requirements.*

## ***Seminars and training Courses attended***

***From 24 /09 /2000 to 26 / 09 /2000***

***From 04 /11 /2000 to 19 / 06 /2001***

***From 11 /05 /2001 to 06 / 06 /2001***

***From 11 /04 /2002 to 16 / 09 /2002***

***From 20/09 /2003 to 24 / 09 /2003***

***From 18 /01 /2004 to 21 / 01 /2004***

***From 07 /05 /2005 to 11 / 05 /2005***

***From 02 /08 /2005 to 04 / 08 /2008***

***From 21 /06 /2012 to 28 / 06 /2012***

***From 09 /12 /2012 to 15 / 04 /2013***

***From 19 /12 /2019 to 29 / 12 /2019***

## ***Skills and languages***

## ***Others***

- *The monitoring and control of project performance against budget, schedule, and quality and safety requirements using appropriate control tools.*

- *Disequilibrium of LV networks at SONEGAS SCHOOL in Blida Algeria.*
- *Formation of principal technician specialized in electricity distribution.*
- *Formation of working on live tension of LV Networks*
- *Formation of principal technician on mounting boxes.*
- *Networks commissioning problems.*
- *Protection of HV feeders.*
- *Gas regulation and depression.*
- *Mounting preformed 10KV and 30KV indoor and outdoor terminations and junction's boxes.*
- *Design, maintaining and troubleshooting of control panels.*
- *Formation of principal electrical site inspector and design at SONEGAS School.*
- *Formation in technical guidelines of electrical activities.*
- *Computer literate OFFICE, AUTOCAD, ETAP, ECODIAL, MATLAB.*
- *Fluent in three languages. (Arabic – French – English).*
- *Possess excellent communication, interpersonal, organizational and planning skills. Persistence and ability to positively influence others.*
- *Great team player, ability to work independently, strong leadership and ability to lead a team or staff, handle multiple projects simultaneously, self-motivated and gained supervisory skills. Delegator and mediator.*
- *Project and management skills, in-depth knowledge of markets trends and conditions, strategic approach to work, ability to facilitate change.*
- *Skills in numerical, statistical analysis, documenting and reporting.*
- *Attention to details, critical thinking, problem solving, analytical skills, experience in analyzing metrics, results-driven and decision-making.*
- *Enjoy reading and writing, sports swimming, chess.*
- *Having driving permission card.*