**MOHAMED SAFI BOUAIN** Tunisia, ElAouina Tunis

MECHANICAL PIPING PROJECT ENGINEER 00216 21 168 373

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**LANGUAGES :** French (Fluent), English (Intermediate), Arabic (Mother tongue)

**SKILLS** : Project Management, Engineering, Planification, Communication, Leadership, Team, Motivated, Flexible, Tendering, Cost estimation, Oil&Gas, CPF, Mechanical, Materials, International standards (EN,API, ASME,NFPA..),Companies standards(DEP shell,Total,Aramco, RC..), Conception, Drawings 2D, Model 3D, Calculation notes, Piping, Tanks, Pressure vessels, Pumps, Static and rotating Equipements, Commisionning, Supervision, Quality,Inspection.

**COMPUTER SKILLS :** MSproject, CAESER II, AMETank, PvElite, SolidWorks, Autocad, Cadworx, Aconex

**PROFESSIONAL EXPERIENCE**

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| **From March 2017** | **Mechanical and Piping Project Engineer** |
| **Company :** **BIA** (German Group BMA), Tunisia & Saudi Arabia |
| Project : ALREEF Sugar Refinery, Saudi Arabia (Jizan Economic City) |
| A Turnkey project EPC, Budget 330 Million Euro, Surface of 145000 m²  |
| **Execution Phase on site (Saudi Arabia)** |
| * Supervised the erection of heavy equipments : Different type of rotating and static equipments that have weights from 0,5 up to 210 Tonne such as : Failing Film Evaporators,Crystallizers,condensers,Vaccum pupms, Drum druyer, heat exchangers,pumps, Agitators, belt conveyors, Buckets Elevators,Fun’s/filters,Pressure vessel,Piping,Tube expanding, scrubbers, Dedusting system, Vibrators, Tanks/Tower, Desox/Denox, Flue gas treatment, Desalination station, water treatment plant…)
 |
|  | * Managed and animated a multinational team of 15 person.
 |
|  | * Assisted and communicated with the client/contractor/3rd Parties.
 |
|  | * Approved the erection procedure MOS, Wrote the works progress report and communicated with the project manager.
 |
|  | * Ensured the installation quality, wrote NCR, approved RFI’sand shop drawing, Approved HandOver Reports, Verified Punch List.
 |
|  | * Coordinated between engineering office and the team on site.
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|  | **Design and Engineering phase (Tunisia)** |
|  | * Established, Verifed and approved 3D model.
 |
|  | * Performed mechanical calculation notes : storage tanks, piping flexibility (Static, advanced Static..), piping supports, pressure vessels, pump heads, pump sealings, head losses..according to the related standards (API,ASME,EN..) and project specifications.
 |
|  | * Established Sketch’s, concepted equipments, verified and approved mechanical drawings (Layout, Piping arrangment, Piping Iso’s..),
* Established technical specification, technical data sheet TDS, bill of materials MTO (Piping, statics and rotating equipments)
 |
|  | * Coordinated with the different departments (Civil, Process, Electrical..)
 |
|  | * Communicated and negociated with suppliers, financial and technical evaluation of the received offers and assisted meetings with suppliers.
 |
| **September 2016-February 2017** | **Mechanical Project Engineer** |
| **Company :** **CHAUDRA**, Tunisia (A recognized EPC company in Tunisia) |
|  | Project : EPC of API 650 Tanks on behalf of OMV as part of the project of CPF Nawara (In Tunisian desert) : Natural gas treatment plant |
|  | **Preparation Phase**  |
|  | * Established the scope of work and all management documents with the project manager (Project chart, Histogram, Scope, Schedule, Cost).
 |
|  | * Estimated and fixed the budget in cooperation with the management and participated on the time schedule with the planning team.
 |
|  | * Reviwed the engineering package before sending to the client.
 |
|  | * Communicated and negociated with suppliers, financial and technical evaluation of the received offers (to respect the allowed budget).
 |
|  | * Coordinated with the client Via ERP Aconex, assited the meetings.
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|  | **Execution phase on site (Tunisian Desert)** |
|  | * Supervised the planning, managed the budget and cared for the project purpose (schedule, cost and quality).
 |
|  | * Managed, as the first responsible on site, the project team (a team of 50 engineers, technician, forman, welders, skillers workers…).
* Managed and evaluated Changes in cooperation with the management.
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|  | * Presented the project status during the meetings, coordinated between internal and external intervenants (played the role of the Focal Point).
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|  | * Wrote the progress reports and communicate it to the management and to the client and.
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|  | * Ensured that all project specification are respected (Quality, HSSE, Procurment..).
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| **December 2015-August 2016** | **Junior Project Manager** |
| **Company :** **MERI**, Tunisia (A recognized EPC company in Tunisia) |
|  | Project 01 : Enginnering, Fabrication and supply of 187 fuel storage tanks on behalf of the National company of fuel distribution SNDP (Budget of 500K euro) |
|  | Project 02 : Supply of two pig luncher/receiver DN 16’’x18’’ on behalf of GTP Algeria (Budget of 100K Euro) |
|  | * Participated in the definition of the project management plans, prepared all documentation related to management..
 |
|  | * Collaborated, Motivated and animated the project team (Engineering team, Site team, workshop, 3rd Party, subcontractor..)
 |
|  | * Managed the project through the different cycles (Initiating, execution, montoring/control, closure) under the lead of the projects director.
 |
|  | * Approved the progress reports, prepared and send invoice to client (Follow up the invoices and make sure that payment is done).
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|  | * Manage modifications and changes.
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| **April 2015-November 2015** | **Head of Engineering Department** |
| **Company :** **MERI**, Tunisia (A recognized EPC company in Tunisia) |
|  | Project 01 : Fire Fighting network at AUHANET on behalf of SONATRACH in Algeria (Budget of 8 Million Euro,25 km piping, 18000m3 fire water reserve)Project 02 : Acquisition of an underground Avgas tank on behalf on Tunisian minister of defense. |
|  | * Estimated and fixed the budget of engineering projects in cooperation with the technical direction and established the projects planning.
 |
|  | * Calculated perfomence indicators KPI, wrote the progress reports.
 |
|  | * Lead, motivated and animated the engineering team (a team of 15 engineers and drafters).
 |
|  | * Performed mechanical calculation notes : storage tanks, piping flexibility (Static, advanced Static..), piping supports, pressure vessels, pump heads, pump sealings, head losses..according to the related standards (API,ASME,EN..) and project specifications.
 |
|  | * Conducted projects to avoid delays and budget excess, ensured that all quality procedure and requirement are respected according to ISO 9001.
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| **January 2013-March 2015** | **Project Engineer/Site Engineer** |
| **Company :** **MERI**, Tunisia (A recognized EPC company in Tunisia) |
|  | Project 01 : Maintenance and Retest of a GPL sphere on behalf on BUTAGAS (VivoEnergy Tunisia) |
|  | Project 02 : Loading unloading skid, additif network (SHELL Tunisia) |
|  | Project 03 : Maintenance of storage tanks R16&R18 on behalf of SNDP (Budget of 450 Mille Euro), Tanks of 30m diameter and 14m hight |
|  | * Wrote the tender book, evaluated the received offer (technical and financial) and participated in the selection of suppliers.
 |
|  | * Established the erection method of statment for static and rotating equipment and supervised erection activities.
 |
|  | * Perfomed the mechanical calculation notes (tanks, piping, pumps, supports..) and verified the subcontracted calculation notes/drawings.
* Established technical specification, technical data sheet TDS, bill of materials MTO (Piping, statics and rotating equipments).
 |
|  | * Coodinated between enginnering office, project manager and site team.
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|  | * Prepared the progress reports/project status and presented the status of project during follow up meetings with the management.
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| **August 2010-December 2012** | **Mechanical Project Engineer/Coordinator** |
| **Company :** **MERI**, Tunisia (A recognized EPC company in Tunisia) |
|  | Project 01 : EPC of two loading stations of light&heavy products, GPL and JET-A on behalf of petrol refinery STIR in Tunisia |
|  | Project 02 : Construction of a sulphur filtration&fusion station on behalf of Tunisian chemical group GCT (the project process is a Tunsian patent of GCT) |
|  | Project 03 : Construction of a HFO&GO tank farm at Nouadhibou Terminal on Behalf of SNIM Mauritania |
|  | * Established, verified and approved 3D models, drawings.
 |
|  | * Performed mechanical calculation notes : storage tanks, piping flexibility, floattation, piping supports, heat transfer, pressure vessels, pump heads, hydraulic calculation in piping system, head losses, fire fighting,..according to the related standards (API,ASME,EN..).
 |
|  | * Prepared Sketch’s, Established 3D model concepted equipments, prepared technical specification, technical data sheet, bill of materials..
 |
|  | * Wrote tender books, prepared technical offer to answer call of bid and evaluated technically the supplier offers.
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|  | * Coordinated and worked with the mechanical team (engineers and drafters) and communicated with civil, process departments.
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**EDUCATION**

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| **September 2004-June 2010** | Engineering degree in materials/mechanicalNational school of Engineers Sfax, Tunisia |

**TRAINING AND PROFESSIONAL DEVELOPPEMENT**

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| **2018** | Piping Calculation Training software CAESAR II (Hexagon France Trainers) |
| **2016** | Primavera PPM project management software |
| **2013** | Assited the training and Passed with succes the exam of API 653-Aboveground Storage tank inspector-American petroleum institute (ID 48475). |
| **2013** | PMP Project management for professional Training (40 heures) |
| **2013** | Conception and modelisation 3D using SolidWorks |
| **2011** | Quality management training ISO 9001 (Intenal auditor) |