

PERSONAL HISTORY

Name and Surname:	SANAA Redouane
Current Position :	Piping & Pipeline Lead Engineer
Date of Birth:	15 - June - 1982
Nationality:	Algerian
Address	Hay El Badr, Kouba, Algiers, Algeria
Status	Married
Sex	Male
E-mail	redouane.sanaa82@gmail.com
Phone	+213 (0) 778 56 42 61
Language Skills:	English / French / Arabic
Education and Qualification:	Engineer Degree diplomat in Mechanical Engineering Thermo-Energetique option , Bab Ezzouar USTHB (Universite of Sciences & Technologie Houari Boumediene)

**TRAINING**

2008	15 days AutoCAD Training
2008	15 days AutoPIPE (stress analysis software) Training
2011	Basic training for piping layout design by Mr Nishidate (JGC Yokohama Piping adviser)
2011	Training on the flow execution of piping study work by Mr Nishidate (JGC Yokohama Piping adviser)
2017	Project Management Training in "I.M.S.I.E" School
2017	Leadership Training in "ESG" School (Ecole Supérieure de Gestion)
2018	MS Project Training in "ALL IT PARTNER" School

SOFTWARE KNOWLEDGE

MS Office (word, Excel, Power point)
AutoCAD 2D
MS Project
Familiarized with: AutoPIPE, Auto CAD 3D, Navisworks, PDMS.

PROFESSIONAL EXPERIENCE

Fourteen (14) years experience in Oil & Gas Industry. In JGC, as piping & pipeline engineer, piping field engineer, piping design engineer, piping material engineer with position of piping assistant lead engineer & piping lead engineer for several project (EPC, FEED, Proposal Estimation, Technical Assistance). Now I am a Piping Lead Engineer.

WORK DONE**July 2019-At Present**

03 Projet :

- Gathering Network Gassi-Touil To Rhourde Nouss (UTG)
- Type of Project:
- EPC4 Tinrhert Project First Gas Phase
 - Realization of the Retail Engineering Studies and Procurement Services of the Collection Network System (EPC1) and the Treaty Gas Shipping Lines (EPC3) of the South West Gas Fields (SWGF EP's PROJECT LOT 1 & 3)
- Location:
- Fields Rhourde- Nouss and periphery of Gassi-Touil South of Algeria (Hassi Messaoud)
 - Tinrhert (ALRAR Region) South East of Algeria (Illizi)
 - Hassi Bahamou (HBH) & Reg Mouaded (RM) Hassi Tidjerane (HTJ & HTJW) Tinerkouk (TNK & TNKW) South West of Algeria (Adrar, El Bayadh, Ghardaia)
- Plant Owner:
- Cosider / Sonatrach
 - Sonatrach
- Position & Tasks: **Piping Material Engineer** : Piping Technical Specifications & Data Sheet, Material Requisitions, Vendors Technical Clarification, Technical Bid Evaluation Reports, Vendor Document review (After PO).

February 2018-At Present

- Type of Project: E.P.C: EXTERNAL SERVICES PROJECT FOR ENGINEERING AND PROVIDING EXPERIENCED PERSONNEL
- Location : Ourhoud Oil Field Hassi Messaoud – Ouargla / Algeria
- Plant Owner: Sonatrach – Organisation Ourhoud
- Position & Tasks: **Piping & Pipeline Lead Engineer** : Piping Execution Plan, Piping Project Management Planning & Scheduling Work & MH Estimation (During Estimation Bid stage & EPC), Client ITT Clarification. Preparation & Check of Plot Plans, Piping Layout, Piping Arrangement, Piping Information to other disciplines, Piping Isometric Drawings, Piping Standard drawings, Piping Supports, Pipeline approach drawings, Pipeline alignment sheets, Pipeline standard drawings, Piping & Pipeline Technical Specifications and data Sheet, Vendors Technical Clarification, Technical Bid Evaluation Reports, Vendor Document review (After PO), MTO, BM/BQ ...etc).

March 2013 to January 2018

- Type of Project: EPC: Enginnering, Supply and Realization of a New CIS Boosting Unit Hassi-Messaoud Sonatrach Production Division (Boosting LDBP4_CIS_ HMD)
- Location : CIS -Hassi Messaoud – Ouargla / Algeria
- Plant Owner: Sonatrach-DP
- Position & Tasks: **Piping Lead Engineer**: Piping Execution Plan, Piping Project Management Planning & Scheduling Work & MH Estimation (During Estimation Bid stage & EPC), Client ITT Clarification. Preparation & Check of Plot Plans, Piping Layout, Piping Arrangement, Piping Information to other disciplines Piping Isometric Drawings, Held & Organize of 3D Review Meeting (Different project step: 30%, 60%, 90%) and follow up the review comments, Piping Standard drawings, Piping Standard & Special Supports, Piping Technical Specifications and data Sheet, MTO, BM/BQ, Material Requisitions, Vendors Technical Clarification, Technical Bid Evaluation Reports, Vendor Document review (After PO).

March 2011 to February 2013

Type of Project: E.P.C : In Amenas Compression Project

Location : In Amenas – Illizi / Algerie

Plant Owner: Sonatrach-BP-Statoil

Piping Lead Engineer: Piping Execution Plan, Piping Project Management Planning & Scheduling Work & MH Estimation (During Estimation Bid stage & EPC), Client ITT Clarification. Preparation & Check of Plot Plans, Piping Layout, Piping Arrangement, Piping Information to other disciplines, Piping Isometric Drawings, Piping Standard drawings, Piping Standard & Special Supports, Piping Technical Specifications and data Sheet, MTO, BM/BQ, Material Requisitions, Vendors Technical Clarification, Technical Bid Evaluation Reports, Vendor Document review (After PO).

Position & Tasks: **Piping Field Engineer:** Preparation of Field Change Sheets (Piping Drawings change FS, Plot plans change NPPC, P&ID change NPIC), hydrostatic test packages & records, PSV Popping Tests, Construction Procedures & Specifications, Method Statement, site Instruction, Piping Spool Drawing & Weld Mapping, Material Control and Monitoring, HDPE & PVC design and Installation work with different welding procedures: Butt Welding (Mirror Welding) and Butt fusion welding, Technical Assistance to the Construction Team during the implementation phase.

January 2009 to February 2011

Type of Project: Development of the Rhourde Nouss Field Project CTH & Rhourde Chouff

Location : Rhourde Nouss & Rhourde Chouff – Illizi / Algerie

Plant Owner: Sonatrach Consortium

Position & Tasks: **Piping Assistant Lead Engineer:** Preparation & Check of Plot Plans, Piping Layout, Piping Arrangement, Piping Isometric Drawings, Pipeline approach drawings, Pipeline alignment sheets, Pipeline standard drawings, Piping Standard drawings, Piping Standard & Special Supports, MTO, BM/BQ.

Piping Field Engineer: Preparation of Field Change Sheets (Piping Drawings change FS, Plot plan change NPPC, P&ID change NPIC), hydrostatic test packages & records, PSV Popping Tests, Construction Procedures & Specifications, Material Control and Monitoring, Piping Spool Drawing & Weld Mapping, Technical Assistance to the Construction Team during the implementation phase.

September 2008 to January 2009

Type of Project: Engineering Services Shutdown for maintenance of MLN (Menzel Ledjmet Nord) CPF

Location : Menzel Ledjmet Nord (MLN) – Ouargla / Algeria

Plant Owner: Sonatrach / Conocophillips

Position & Tasks: **Piping Engineer:** Preparation of system isolation Plans, inspection, cleaning, restoration of equipment, for CPF Shutdown.

February 2008 to September 2008

Type of Project: Engineering Support Services

Location : Hassi Messaoude – Ouargla / Algeria

Plant Owner: GB (Anadarko-Sonatrach Consortium).

Position & Tasks: **Piping Engineer:** Preparation & of Plot Plans, Piping Layout, Piping Arrangement, Piping Isometric Drawings, Piping Standard drawings, Piping Standard & Special Supports, MTO, BM/BQ.

KNOWLEDGE AND/OR EXPERIENCE

Experience to perform the piping engineering activities for EPC project to ensuring that will be comply with contract documents, standard practices, with maintain the project schedule, quality & budget.

Defines scope of work, split of work and split of supplies for design and materials engineering for piping projects (Bid Estimation, FEED, EPC, Technical Assistance).

Client ITT clarification, Bid Estimation, Man Hours & Man Power estimation & monitoring.

Defines all activities & deliverables with planning, scheduling, monitoring and progress control.

Develop a Piping Execution Plan with meeting the project execution plan.

Distribution, monitoring and checking of piping engineering works & activities of assigned team with respect of Job Execution Flow and interface between disciplines.

Ensure & maintain a schedule for all piping deliverable

Prepare, Check and approve of all piping & pipeline Design activities and deliverables:

- Piping Key Plan
- Plot Plan
- Held & Organize of 3D Review Meeting (Different project step: 30%, 60%, 90%) and follow up the review comments.
- Piping Plans (Layouts) & Piping Arrangements (Above & Under Ground) Around Equipments.
- Pipeline approach drawings, Pipeline alignment sheets, Pipeline standard drawings.
- Piping Information to other disciplines (Piperack, Sleepers, Stanchion, Nozzle Orientation, Equipment installation level, LC LG Arrangement,....).
- Reviews and approves fabrication and assembly approval drawings for engineered equipment, and other fabrications (prefabricated buildings, piping fabrications, pig trap barrels, etc.)
- Coordinate with other disciplines for relevant design interfaces.
- Piping Standard Support & Piping Special Support
- Piping Isometric Drawing.
- Typical Piping Standard Assembly.
- Line Index.
- Tie-In List
- Piping Material Take-Offs, Working Instruction, Monitoring Quantities, reporting.
- BM/BQ Calculation (inch Dia) including Coating & Wrapping, Support Fabrication & Installation, Heat Tracing, Radiographic Inspection, Pressure Testing & Flushing, Insulation, Painting.

Prepare, Check and approve of all piping material activities and deliverables:

- Piping & Pipeline Technical Specifications & Data sheet for design and supply (For Inquiry & For Purchase)
- Piping Material Specification (Piping Classes Summary & Piping Material Classes).
- Request for Quotation (RFQs)
- Piping & Pipeline Material Requisition (For Inquiry & For Purchase)
- Calculation Notes (Pipe & Pipe Line WT, Bolts Length, Spectacle Blind Thickness, Restriction Orifice thickness).
- Technical Clarification for Vendor proposals, including deviation and alternative.
- Technical Bid Evaluation report
- Vendor Documents Review & Approval (After PO)

For almost of piping materials: Pipe & Fittings, Bolts & Gaskets, Flanges, Figure 8 Blanks Paddle Blanks and Spacers, Manual Valves (Cast & Forged): Ball, Gate, Globe & Needle, Check Valves: Swing, Dual Plate (Wafer, Lug & Double-flanged), PSVs (Pressure Relief Valves), Choke & Blowdown Valves, Strainers (Type: T & Y), Piping Supports Material, Piping Wrapping Tape for underground piping, Painting Material, Insulation Material: Hot Insulation, Cold Insulation, Personnel Protection

And other piping components: Flame Arrestors, PIG Launcher & Receiver, Rupture Disk, Drip Ring, Level Gauges, Sight Glasses, Sample Coolers, Shower and eye Washers, Injection Nozzles, Valve Interlocking Devices, Car Seal, Insulation Gasket Kits, Corrosion Coupons & Probes.

Following the contractual documents (ITT, FEED, Client requirements...) international codes & standard (API Std & Specs, ASME, ASTM, MSS SP, ISO, BS, EN....) and the related country regulation if there are.

Field Engineering Work and Activities:

- Piping & Pipeline work supervision.
- Preparation of Field Change Sheets (Piping Drawings change FS, Plot plans change NPPC, P&ID change NPIC).
- Hydrostatic Test Packages & Records.
- Pressure Relief Valve PSV Popping Tests.
- Construction Procedures & Specifications, Method Statement and site Instruction.
- Piping Spool Drawing & Weld Mapping.
- Material Control and Monitoring.
- Supervising and Inspection of piping fabrication & Installation.
- HDPE & PVC design, Installation and construction work with different welding procedures: Butt Welding (Mirror Welding) and Butt fusion welding.
- Technical Assistance to the Construction Team during the implementation phase.

Hobbies

Sport (Basketball), Chess, Reading

Driving License: Category B (Algeria)