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SUMMARY

Over Fifteen years' of experience in piping engineering for FEED, EPCm, design and detail engineering for onshore, offshore for Oil & Gas, LNG, petrochemical projects, Water, Wastewater network and treatment plant projects.

I possess the relevant Piping engineering experience, having previously experience working as a Piping Design Engineer and Piping Designer. During this time, my Extensive experience with different engineering firms ended by WorleyParsons before joining Chiyoda Almana on 2010. During this I have acquired a sound overall knowledge of leading engineering principles, tools and practices, with emphasis on designing piping and plant layout for both offshore and onshore. I have a relevant experience using various automated solutions including AutoCAD, integrated plant design software as (AutoPLANT & CADWorx) and intelligent computer-aided design/engineering applications for plant design as PDMS.

OBJECTIVES

Seeking an opportunity to utilize and enhance my managerial, technical and communication skills to achieve my vision in professional career. Looking forward to work in a challenging and demanding environment with a mutually rewarding experience in order to put my expertise and extensive knowledge to the benefit of the organization.

EXPERIENCE

- | | |
|--------------------------------|--------------------------------------------------------------------------|
| Current Position | Senior Piping Engineer |
| Previous Positions Held | Senior Piping Engineer, Piping Engineer, Senior Piping Designer |
| Summary of Experience | Experience in piping engineering work and relevant engineering activity: |
- ☐ Review / Clarify contract document, verify design package, preparing individual design plan.
 - ☐ Review Project specification and general specification.
 - ☐ Prepare technical clarification and questioner to client.
 - ☐ Prepare engineering subcontracting requisition / inquiry.
 - ☐ Review Plot Plan regarding piping design requirement and equipment layout arrangement.
 - ☐ Piping input to Basis of Design document prepared by Process discipline.
 - ☐ Design and prepare for general pipe route for study of major values of Equipment Layout and instrumentations locations.
 - ☐ Piping drawing for preparation of pipe rack and sleeper civil loading data add required information as piping support type and location including pipe loading values and directions.
 - ☐ Review, develop and finalize Piping input to piping process Line List including (Piping SCH & thickness, Painting, Insulation and NDE requirement).
 - ☐ Preparing Piping MTO materials and piping work volume.
 - ☐ Execute 3D customizing, Checking and review 3D model.
 - ☐ Prepare design information for equipment (Nozzle orientation Drawing).
 - ☐ Confirm piping Tie-in point location preparing Piping Tie-in List.

- Preparation of Test Block Document, including Test Block Diagram showing Test Block Limits and blinding locations, blinding list showing (Blind Type, rating and thickness).
- Prepare piping design and construction drawing including Piping Isometric drawing, Piping general arrangement drawing and special pipe support drawing.
- Prepare data sheet for piping special material.
- Reviewing piping material Vendor Print checking the acceptability to piping design requirement and project standards and specifications.
- Reviewing Internal discipline document reflecting related data to piping design as (Mechanical Equipment Drawing and Data sheets, Instrumentation Drawing and data Sheets).
- Holding up constructability review sessions attended by construction subcontractor, construction team members and client representatives.
- Replay for construction subcontractor clarification and Technical Queries.
- Reviewing construction subcontractor document (inspection test plans, procedures, method statement & material Acceptance report).
- Handling 3D Model Review Meeting discussion project aspects and basis of design with client discipline representative, and preparation of Model Review report for recording and follow up for meeting finding and recommendation.
- Follow up client comment; coordinate with construction subcontractor and material vendors.
- Prepare As-built 3D model and As-built drawing.

EMPLOYMENT EXPERIENCE DETAILS

Name of Employer : Chiyoda Almanah Engineering LLC, Doha, Qatar

Duration : June 2010 to Feb 2017

Location : Doha, Qatar

Last Position Held : Senior Piping Engineer

Projects handled:

- **Long Term (EPCm) Services Contract - RasGas Company Limited**

Chiyoda Almanah Engineering will provide EPCm services as a long term partner demonstration of the all-encompassing scope of Chiyoda business model, involved as piping team member in the required piping engineering design updating different piping system for RasGas facilities according to each project scope.

- **QatarGas EPCm service for combined projects**

The project involves the provision or engineering, procurement and construction management services for twenty three projects across five QatarGas assets, involved in MP Steam Trap Capacity Correction for Train 4&5 and Permanent Steam out provision to existing system.

- **QAPCO Secondment projects**

Chiyoda Almanah Engineering will provide Piping Engineer on Secondment contract, this service contract represents a further demonstration of the all-encompassing scope of our business model, by working at QAPCO site office during project period as a member of QAPCO engineering department, involved in the assigned piping tasks, providing piping study required for revamping piping system related Heat Exchanger, Storage Tanks, Flare System for QAPCO main facilities Ethylene, LPEP & Sulfur plant, using QAPCO design specification to achieve all project requirement.

- **FEED and EPCM Qatar Shell GTL Project**

Chiyoda Almanah Engineering will provide EPCm services as a long term partner; through this contract, will be able to continue to contribute further sustainable development,

providing feasibility study, front end engineering design (FEED), detailed engineering, procurement and construction (EPC), modification, upgrading and revamping from the client's perspective. updating Piping design as-per project requirement using Shell specification and general procedures (Shell DEP).

Scope of the work:

- Review / Clarify contract document, verify design package, preparing individual design plan.
- Site survey and preparing site survey report to indicted scope of work on the life plant, following client safety requirement.
- Review Project specification and general specification.
- Piping design team member for the required site facilities included in the project scope of work.
- Review Plot Plan regarding piping design requirement and equipment layout arrangement
- Execute 3D customizing, Checking and review 3D model.
- Design and prepare for general pipe route for study of major values of Equipment Layout and instrumentations locations.
- Piping drawing for preparation of pipe rack and sleeper civil loading data.
- Prepare piping design and construction drawing including Piping Isometric drawing, Piping general arrangement drawing and special pipe support drawing
- Preparing Piping MTO materials and piping work volume.
- Review, develop and finalize of Line List.
- Confirm piping Tie-in point location preparing Tie-in List.
- Test Block Diagram drawing preparation.
- Blinding Plan to implement the required Tie-In point.
- Material Requisition preparation, followed by Material TBE, according to project specifications.
- Sub-contract Requisition preparation, followed by Sub-contract TBE according to project specifications.
- Sub-contracts meeting and bidders site visit giving instruction about the piping project scope of work.
- Dealing with other disciplines reviewing provided data sheet to achieve optimum design.
- Dealing with client to achieve design requirements..
- Dealing with Sub-contract responding the Technical Queries response issued by Sub-contract during construction stage.
- Prepare As-built 3D model and As-built drawing.

Name of Employer : WorleyParsons, Cairo, Egypt

Duration : Oct 2008 to Jun 2010
Location : Cairo, Egypt
Last Position Held : Senior Piping Engineer

Projects handled:

- **GUPCO REHABILITATION PROJECT - GUPCO**

GUPCO Rehabilitation project is a revamp project for a number of GUPCO offshore complexes located in Suez gulf, this phase of project is prepared for Ramadan complex Rehabilitation, according to this the goal of the project to use the laser scanning data to develop as built 3D Cad model for each platform of the complex to produce a full as built drawing and as built documentation, in order to update equipment and piping, as per repair sheet and NDT requirement.

- **Karama Power Plant - QARUN PETROLEUM COMPANY (QPC)**
WPEEL's proposal was based on doing all the engineering design including issuing the MRQs for an EPIC contractor, Scope of work include piping design system related to plant Equipment as fuel & oil storage tank, Diesel Generator, Filters, Heat Exchanger, fuel Gas Skid.
- **Akik Gas Plant Relocation project - Khalda Petroleum Company (KPC)**
Akik project is a relocation project for the whole plant to be relocated and used through the Salam plant area as the client requirement, the project including rehabilitation developing new layout and piping connections for Equipment (Separator, Filter Coalescer, Dehydration Package Gas/Liq. Exchanger, Scrubber, Chiller and Cold Separator) new locations.
- **NORTH SHEDWAN NEAR SHORELINE PROJECT - GUPCO**
The WorleyParsons work scope is to provide Front End Engineering Design (FEED) and procurement services associated with the long lead time items. FEED engineering will include design for block NS-377 2-well configuration and block NS-385 4-well configuration.
- **SOPC FIRE FIGHTING Project - Suez Oil Processing Company (SOPC)**
Suez Oil Processing Company (SOPC) intends to install a new fire fighting system in its existing Coker Complex, and updating the existing fire fighting system.

Scope of the work:

- Using laser scanning data 2D & 3D to develop Laser documentation for offshore oil complex.
- Preparing equipment 3D Cad model for Ramadan 6 complex using CADWorx as per laser scanning.
- Preparing piping 3D Cad model as-per the P&ID prepared by process discipline using CADWorx as per laser scanning data.
- Preparing Plot plans and as-per Cad model and laser scanning data.
- Preparing piping arrangement drawing and foras-per Cad model and laser scanning data.
- Preparing Equipment elevations for the complex using the 3D Cad model as per the laser scanning data.
- Design and prepare for general pipe route for study of major values of Equipment Layout and instrumentations locations.
- Piping drawing for preparation of pipe rack and sleeper civil loading data.
- Preparing a preliminary Bill of Material for the purchasing material for piping lines being modified as per the 3D Cad Model.
- Piping design team member for the layout design and equipment arrangement plan.
- Preparing Equipment nozzle orientation drawing.
- Implementing piping route drawing & 3D Cad through the plant design area model.
- Preparing piping general arrangement drawing.
- Prepare piping design and construction drawing including Piping Isometric drawing.
- Preparing Piping MTO materials and piping work volume.
- Dealing with other disciplines reviewing provided data sheet to achieve optimum design.
- Dealing with client to achieve design requirements.

Name of Employer : Advansys Laser Scanning (QUANTAPOINT M.E.N.A), Cairo, Egypt.

Duration : Jun 2005 to Oct 2008
Location : Cairo, Egypt
Last Position Held : Piping Engineer

Projects handled:

- **GUPCO REHABILITATION PROJECT – GUPCO**

The scope of Advansys as a subcontracted to Enppi in GUPCO Rehabilitation project as a revamp project which include a number of GUPCO offshore complex located in Suez gulf, updating As-built documentations , As-built drawing for all the complexes included in the Rehab project.

- **Mobil Producing Nigeria Unlimited offshore platforms - Mobil**

Mobil project is a revamp project for a number of Mobil complex located in Nigeria, according to this the goal of the project to use the laser scanning data to develop a full as built documentation for the whole complex.

Working at (Ariosh Ltd. office partner company) in Nigeria, Doing on Job training for Ariosh employee on Prism and CAD design tools.

- **Chevron Nigeria Limited (CNL) offshore platforms. – CHEVRON**

Chevron project is a revamp project for a number of Chevron complex located in Nigeria, according to this the goal of the project to use the laser scanning data to develop a full as built documentation for the whole complex.

Scope of the work:

- ❑ Using QUANTAPOINT Prism 2D & 3D (Laser Scanning Software) to develop Laser documentation of offshore oil platforms (As built Documentation Using Laser technology).
- ❑ Plot plans and equipment arrangement Plans for complexes Using Laser Scanning data.
- ❑ Plot plans and Framing Plans and Structure elevations Using Laser Scanning data.
- ❑ Execute Piping 3D models and Clashing check for 3D Design Model Using Laser Scanning data.
- ❑ Design and prepare for general pipe route for study of major values of Equipment Layout and instrumentations locations.
- ❑ Prepare piping design and construction drawing including Piping Isometric drawing.
- ❑ Piping general arrangement drawing and special pipe support drawing
- ❑ Preparing Piping MTO materials and piping work volume.
- ❑ Site Visit to verify Piping Isometrics through constructability reports provided by construction team.
- ❑ Dealing with other main contract (Enppi) disciplines to achieve good design, using data sheet provided from them.
- ❑ Dealing with client to achieve a good design as per client requirements.

Name of Employer : Chemonics Egypt, Cairo, Egypt.

Duration : Dec 2003 to Jun 2005

Location : Cairo, Egypt

Last Position Held : Senior Piping Designer

Scope of the work: Using Autocad to develop and prepare Water, Wastewater and Stormwater Network Drawing, Hydraulic Profile Drawing, Valve chamber Mechanical drawing, layout and Detail drawing for Water and Wastewater treatment plant.

Name of Employer : Senior Consulting Engineering

Duration : Apr 2000 to Sep 2002

Location : Cairo, Egypt

Last Position Held : Piping Designer

Scope of the work: Using Autocad to develop and prepare Water, Wastewater and Stormwater Network Drawing, Hydraulic Profile Drawing, Valve chamber Mechanical drawing, layout and Detail drawing for Water and Wastewater treatment plant.

Name of Employer : EKG Consulting Engineering

Duration : May 1997 to May 1999
Location : Cairo, Egypt
Last Position Held : CAD Designer

Scope of the work: Using Autocad to develop and prepare Water, Wastewater and Network Drawing, Hydraulic Profile Drawing, Valve chamber Mechanical drawing, layout, Detail drawing and Piping Isometric Drawing for Water and Wastewater treatment plant.

SKILLS

- Advanced skills using cad tools (AutoCAD and CADWorx)
- AVEVA PDMS Piping and Equipment design.
- PDS piping design and equipment design.
- SPR software for PDS model review and checking.
- Navisworks software for 3D model review and checking.
- Good skills using Auto plant.
- Good skills using Microsoft office (Word, Excel, PowerPoint, Access).
- Advanced skills using laser scanning documentation software (Prism 2D & Prism 3D) Quantapoint software.

EDUCATION / QUALIFICATION

- 1999 – B.Sc. of Applied Arts, in Interior Design, Helwan University, Egypt
- Training course Design and Fabrication for Pressure Vessels (ASME Section VIII Division 1) March 2008 AUC (American University in Cairo)
- Training course Repair and Alteration of Pressure Vessels Including API 579 Recommended Practice, NBIC (National Board Inspection Code)and NDT March 2008 (American University in Cairo)
- Intergraph PDS Piping and Equipment design training prepared by WorleyParsons.
- Intergraph PDS administration Preliminary training prepared by WorleyParsons.
- AVEVA PDMS Piping and Equipment design training prepared by Chiyoda Almana.

LANGUAGE SKILLS

- Arabic (Native Language) Spoken & Written
- English (Fluent) Spoken & Written

PERSONAL DETAILS

- Date of Birth: 27 May 1976.
- Nationality: Egyptian.
- Marital Status: Married
- Driving License: Valid.
- Military Status: Exempted.