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FALCON ID # 31321

Maintenance / Mechanical Engineer - Statistic Equipments

Residential Country : Oman Nationality : India
Resume Title : Mechanical Engineer - Static Equipment Notice Period : 1 Days

EDUCATION

Qualification	Institute / College /university	Year	Country
B E / B Tech		0000	India

CAREER SUMMARY

Position	Employer	Country	From Month/ Year	To Month/ Year
Lead Mechanical Engineer	Reputed Company	Oman	12/2014	/
Senior Mechanical Engineer	Amec Foster Wheeler		05/2013	04/2014
Lead Mechanical - Static	Snc Lavalin Inc.,		11/2011	02/2013
Senior Mechanical Engineer	Jacobs Canada Inc		04/2010	11/2011
Lead Mechanical Engineer/project Engineer	Sirte Oil Company		04/2009	11/2009

ADDITIONAL CERTIFICATE AND TECHNICAL QUALIFICATION

Name Of The Course	Course Date	Valid Upto	Name Of Organisation
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Current Salary
(Monthly In Usd): Not Mention

Expected Salary
(Monthly In Usd): Not Mention

Additional Skills :

EXPERIENCE

Lead Mechanical Engineer, Reputed Company, Muscat, Oman December 2014 – Present
Engineering and Maintenance (EMC) work for PDO.

- Acting as Head of Mechanical Group.
- Integrated engineering, construction, maintenance and support services for existing PDO facilities onshore in southern Oman.
- Manpower evaluation and resource planning.
- Delegate engineering work to members of Mechanical team.
- Closely work with top management, coordinate with other disciplines and liaison with client
- Prepare weekly report and discuss with management.

Senior Mechanical Engineer, AMEC Foster Wheeler, Calgary May, 2013 – Apr, 2014
CNRL Froth Treatment Plant, Ft. McMurray, Canada - Detail Engineering

Inclined Plate Separator (IPS):

- Resolved issues of overstressed nozzles due to pipe layout with Nozzle-Pro software.
- Reviewed and approved FEA calculation for cone-shell junction which was initially overstressed.
- Identified Vendor's error in vacuum calculation resulting in re-design.
- Modified Wind Girder design and approved the revised calculation.
- Witnessed IPS hydrostatic test, checked pressure gauge calibration.
- Added horizontal bracings for column support due to slenderness to comply with CSA design and service codes. Platform load on dish head were verified with piping and instrumentation to accommodate point load.
- Prepared Construction Works Package for IPS.

Cyclopacs:

- Cyclopacs designed with various design Codes and Standards – ASME Sec. VIII Div.1, ASME B31.3, API 620.
- Obtained CRN and ABSA certification for Distributor, Cyclone, Instrument Air Pipe, Valves.
- Technical bids evaluated and issued award package.
- Checked weld overlay with Chromium Carbide, reviewed ASTM G65 test result, recommended weld procedure change with preheat temperature.
- Prepared Construction Works Package (CWP) for Cyclopacs.

Lead Mechanical - Static, SNC Lavalin Inc., Calgary Nov, 2011 – Feb, 2013
CNRL Froth Treatment Plant (Ft. McMurray)

Responsible for all the static equipment detail engineering:

- Resolved issues of overstressed nozzles due to pipe layout with Nozzle-Pro software.
- Evaluated technical bids and issued purchase order.
- Checked design criteria, vendor drawings, calculation, equipment list.

Specific responsible was for issuing material requisition, data sheet and approval of vendor prints for Inclined Plate Separator (IPS) and Cyclopac.

- Conducted meeting with client and vendor for major decision for shipping Inclined plate Separator (IPS) as a single piece (size: 10.973 M dia x 12.5 m Ht and 5.25 m Ht Cone bottom supported on 8 legs. Total weight 140 MT).
- Convinced client for increasing height of the Secondary Cyclopac to make equal height with Primary Cyclopac. This change was a permanent solution for platform with minimum cost.

- Audited vendor shop for technical competency and quality.

Senior Mechanical Engineer, Jacobs Canada Inc., Calgary Apr, 2010 – Nov, 2011
Imperial Oil, Ft. McMurray, Nabiye CPF Train-2 (30,000 bpcd Capacity SAGD plant):

Challenge was to implement Train-1 design philosophy ditto for Train 2. Had numerous meetings with client and vendor for keeping the same design as before or with minimum changes or impact.

- Reviewed and approved design documents of induced static flotation cell (ISFC).
- Performed Code calculation (ASME Sec. VIII Div.1) using Compress software
- Reviewed and approved design documents of Sewage Lift Tank package, static mixer.
- Participated in technical discussion with client and vendor.

Suncor Sustaining Projects, Mackay River, Ft McMurray, Canada

- Prepared specifications, material requisition, data sheet, basic design basis, technical bid evaluation for: API 650 Tanks, Shell and Tube exchangers, Air Cooled exchangers.
- Reviewed and approved vendor documents for Swing Tank (API 650).
- Co-ordinated with inter-disciplines like Process, Piping, Civil, Instrument, Projects, Electrical.

Lead Mechanical Engineer/Project Engineer, Sirte Oil Company, Libya Apr-Nov 2009
48,000 bpd Sweet Condenser Stabilizer Unit (SCSU):

Responsibilities:

- Reviewed Scope of work, evaluated project work and checked equipment list.
- Evaluated engineering progress, obtained vendor information for major equipment's and package items including floating enquiries, bid evaluation, vendor drawing review and release of construction drawing for trouble free construction.
- Estimated Man-hours requirements and schedule for execution of the work.
- Ensured that the performance of the work is in accordance with Contract specifications, within budget and maintaining engineering schedules as per agreed milestones.
- Act as the single point of contact with the vendors and was responsible for ensuring all engineering issues, execution issues, schedule, etc. are resolved in a timely manner.
- Reviewed and monitored cost vs budget.
- Coordinated with client and vendors.
- Reviewed and approved TBE for Stabilizer Tower, Feed Bottom Exchanger.
- Checked and approved strength calculation for Stabilizer Tower, Re-boiler, Feed/Bottom Exchanger, Liquid Transfer Pump and Naphtha Product Pump.

Lead Mechanical Engineer, Equinox Engineering Ltd., Calgary Aug, 2008 – Mar, 2009
Serrano Ltd. Black Rod Thermal Project, 600 bpd Pilot (SAGD), Ft. McMurray

Lead activities performed:

- Preparation specifications, data sheets for packages.
- Evaluation of Scope of work, project cost & optimum utilization of resources.
- Estimation of Man-hours and schedule based on list of deliverables.
- Checking and supervising work done by junior engineers.
- Participation in project, procurement and vendor meetings.

Equipment handled:

- Emulsion Treater consisting of 2/3 phase Separator, FWKO Drum Treater
- Boiler Feed Water Package consisting of Charge pump, Booster pump, Separator, Blow down Exchanger, Amine injection pump and Tote pump.
- Amine Sweetening Unit consisting of Contactor, Rich Amine Flash Tank, Amine Regenerator, Reflux Receiver, Heat Exchanger, Pumps.
- Tank Farm Package consisting of 8 Tank as per API 650, Appendix J.

Additional Information :

Senior Mechanical Engineer, Jacobs Canada Inc., Calgary
Suncor Energy, Sulphur Upgrader- 550,000 bpcd, Voyageur :
FEED Phase: Front End Engineering Design, +/-15% estimation for procurement and construction. Dec, 2005 – Jul, 2008

Detail Engineering: Carried out on the same project through detail Engineering, Procurement and Construction.

- Prepared data sheet and issued material requisition (RFQ/RFP).
- Design document reviewed of Amine Regenerator, Quench Tower, 3-Phase separator, SCOT Reactor, Reaction Furnace.
- Changed vessel Nozzle rating to accommodate piping connection.
- Checked Nozzles stresses through WRC 107/297.

Petro Canada RCP 1.1 Sulphur Block (Edmonton), 135,000 bpcd, Detail Engineering

- Design document reviewed & approved of Sour Water Degassing Drum, Sour Water Stripper.
- Design document reviewed and approved of Sour Fuel Gas KO Drum, Regenerator.

Senior Mechanical Engineer, SNC Lavalin Inc., Calgary April - Dec 2005

ARAMCO, Khurais Southern Seawater Capacity Expansion, 1.2 mbpcd:

FEED Phase: Front End Engineering and Design and +/-20% estimation for procurement and construction of Seawater Expansion project.

- Responsible for design drawings, input to project definition report, Input to Project design basis, input to tender EPC package, survey reports, specifications & data sheets for vessel, column, filter, heat exchanger.
- Checked the existing information/facilities, data collections/validation and update drawings and existing information.
- Reviewed plot plan (issued by piping) for the new equipment for selected location taking into consideration of environmental, engineering and safety aspects.

Lead / Sr. Mechanical Engineer, APV Engineering, India Apr, 1993 – Feb, 2004

2000 – 2004 Lead Mechanical Engineer

1997 – 2000 Sr. Mechanical Engineer

1993 – 1997 Intermediate Mechanical Engineer

Various projects I Worked:

- Diesel Hydro Desulphurization (DHDS) project at IOCL, Haldia, India
- HDPE, PP Project, Haldia Petro-Chemicals Ltd., India
- Haldia Refinery Revamping work, IOCL, Haldia, India
- H2 Reformer project at IOCL, Barauni, India
- Primary Gas Cooler for Coke Oven Gas, Durgapur Steel Plant, India

Junior Mechanical Engineer, Apptech Engineers Ltd., India Sep, 1988 – Mar, 1993

Larsen & Toubro, Jharsuguda Plant, 1000 T/day Capacity Cement Plant

- Dryer with internal helix
- Hot Air Generator (HAG)
- Gas and Oil Fired Burner for 2.4 mmKcal/Hr. Heat release at 1000 oC

EDUCATION: Bachelor of Mechanical Engineering (B.E. Mech.), India