

# Lead Mechanical Engineer

**Degree of education** Mechanical Engineer, BSc

**Present Position** **Lead Mechanical Engineer**

- Current Responsibility**
- Organize and supervise the Mechanical section activities.
  - Establish design forecasts in compliance with the engineering capacities.
  - Working out of design offers including technical scope definition, conceptual design, time scheduling, cost estimation, etc.
  - Technical elaboration of offers, cooperation in establishing contacts with potential sub-contractors.
  - Subcontractor's coordination.
  - Arrange periodical design reviews of assigned project activities.
  - Engineering support for senior & junior designers.

- Qualifications / Certificates**
- Application of 97/23/EC directive (PED - Pressure Equipment Directive)

- Licenses**
- Registered member of the Chamber of Engineers.
  - Planning permission in the field of gas and oil industry(G-T).

- Software knowledge**
- MS Office
  - AutoCAD, DraftSight, Navisworks
  - AVEVA PDMS (plant design)
  - SolidWorks / SolidPlant (plant design)
  - CaePipe (piping stress calculation)

- Employment History**
- Lead Mechanical Engineer (for 5 years)
  - Piping Department Leader / Senior Piping Engineer / Piping Engineer (for 18 years)
  - Sheet metal forming engineer (for 7 years)



## WORK EXPERIENCE / REFERENCES

POSITION	JOB / CLIENT / LOCATION
<p>Lead Mechanical Engineer for 5 years</p>	<ul style="list-style-type: none"> <li>• Skid Unit Offer Preparation for Dosing-, Transfer-, Chemical Storage Skids including conceptual design, technical offer collaboration, preliminary MTO for cost estimation, preliminary time schedule, supplier's offers evaluation. Offers are prepared for several end-users such as Saudi Aramco (including Petro Rabigh, SATORP, SAMREF, YASREF), NALCO Saudi Company Ltd. Jacobs ZATE, SABIC, MUSTANG-HDP, FARABI / Petrofac.</li> <li>• Refurbishment of existing Sodium Cyanide Auto Dosing Skid for Ma'aden Gold and Base Metals Company.</li>   <li>• Mobile Petrol Filling Unloading Unit – Detail design.</li> <li>• Adria Transfer Pump Shaft Sealing System refurbishment- Detail design.</li> </ul> <p>Procter &amp; Gamble:</p> <ul style="list-style-type: none"> <li>• Closed Shaft Sealing System for process pumps (detail design)</li>   <li>• Tail Gas Seal Water Drum replacement</li> <li>• Waste Heat Utilization of Air Compressors Innovation Project Llc.</li> <li>• CLN (Continuous Linear Nozzle) firefighting pipeline design for JET fuel Tanks at Vancouver Airport, Canada</li> </ul> <p>Swiss Fire Protection Research &amp; Development AG</p> <ul style="list-style-type: none"> <li>• SHELL Fuel Additive Dosing System – EPC offer collaboration.</li> <li>• HCL Dosing Skid Units – Detail Design Trivia</li>   <li>• Feasibility Studies for wet cooling tower installation for Nuclear Plant, Veolia Water Solutions, Conserve Factory</li>   <li>• Falcon Project Feasibility Study</li> <li>• C10 existing column replacement – piping and pressure vessel design</li> </ul> <p>Feasibility Study for Acetone and Methanol regeneration unit refurbishment – piping design</p>



## WORK EXPERIENCE / REFERENCES

POSITION	JOB / CLIENT / LOCATION
<p>Department Leader / Senior Engineer for 7 years</p>	<ul style="list-style-type: none"> <li>• Basic design for choke and kill flexible hose testing system. SAUDI ARABIAN CHEVRON Co.</li> <li>• Implementation of Self Expanding Foam Fire Protection System for storage tanks - basic design.</li> <li>• Tender documentation for implementation of DKG Plant in Kazakhstan.</li> <li>• Butadiene and C4 Storage Tanks - basic and detail design.</li> <li>• Butadiene Plant – OSBL piping design.</li> <li>• Preparation of P&amp;ID and HAZOP Study.</li> <li>• Aromatic Unit reconstruction – EPC offer elaboration.</li> <li>• Flare gas recovery system – feasibility study.</li> <li>• Giurgiu Depot, Stage 2 – EPC offer preparation.</li> <li>• Synthetic Rubber Plant – EPC offer elaboration.</li> <li>• Reconstruction of rail and tank car loading and unloading facilities – EPC offer preparation.</li> <li>• Ethylene Storage Tank – EPC offer elaboration.</li> <li>• Aromatic Unit reconstruction – EPC offer preparation.</li> <li>• Truck car loading station reconstruction – Feasibility study.</li> <li>• Rozhkovsky Field Development – Feed design.</li> <li>• High temperature (950°C) flue gas pipeline – Detail design.</li> <li>• Coaltar unloading station – Basic design.</li> <li>• Installation of oil preheater exchangers – Detail design.</li> <li>• Ammonia Plant reconstruction – Design offer preparation. OMAN OIL</li> <li>• Musandam Processing Plant – EPC offer elaboration. APS Roma Ratawi SRU Unit – EPC offer preparation.</li> </ul>

Swiss Fire Protection  
Research & Development AG



## WORK EXPERIENCE / REFERENCES

POSITION	JOB / CLIENT / LOCATION
Senior Engineer for 6 years	<p>BASF (Germany)</p> <ul style="list-style-type: none"> <li>ULTRASON Unit –Piping Design.</li> </ul> <p>CTK Ltd (ADITYA BIRLA CARBON Group)</p> <ul style="list-style-type: none"> <li>New Tread Line (capacity improvement) – Plant design.</li> </ul> <p>INA (Croatia)</p> <ul style="list-style-type: none"> <li>FCC-HDS Unit – Plant design.</li> <li>Hydrogen-3 Unit (Basic phase) – Plant design.</li> <li>Hydrocracker Unit (FEED) – Plant design.</li> <li>MSA Unit – Extended basic design.</li> <li>Naphtha Desulphurization and Light Olefin Etherification Unit (BEK-5) – Plant design.</li> <li>Olefin-II Plant, C4-C5 Separation – Plant design.</li> <li>Olefin-II Plant – Steam tracing design.</li> </ul>

POSITION	JOB / CLIENT / LOCATION
Piping Engineer for 5 years	<p>BASF (Germany)</p> <ul style="list-style-type: none"> <li>CITRAL Plant – Piping design.</li> <li>Delayed Coker Plant – Piping design.</li> <li>Aromatic-II. Plant (reconstruction) – Piping design.</li> <li>Ref-100 Plant (capacity ext.) – Piping design.</li> <li>PHÜ Plant – Piping design.</li> <li>Polypropylene-IV. Plant – Piping design.</li> <li>EPS Plant (capacity ext.) – Piping design.</li> </ul>