



# Lead Mechanical Engineer

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| <b>Degree of education</b>           | Mechanical Engineer, BSc  |
| <b>Languages</b>                     | <ul style="list-style-type: none"> <li>• English - professional working proficiency.</li> <li>• Hungarian - native language.</li> </ul>   |
| <b>Present Position</b>              | <b>Lead Mechanical Engineer</b>   |
| <b>Current Responsibility</b>        | <ul style="list-style-type: none"> <li>• Organize and supervise the Mechanical section activities.</li> <li>• Establish design forecasts in compliance with the engineering capacities.</li> <li>• Working out of design offers including technical scope definition, conceptual design, time scheduling, cost estimation, etc.</li> <li>• Technical elaboration of offers, cooperation in establishing contacts with potential sub-contractors.</li> <li>• Subcontractor's coordination.</li> <li>• Arrange periodical design reviews of assigned project activities.</li> <li>• Engineering support for senior &amp; junior designers.</li> </ul> |
| <b>Qualifications / Certificates</b> | <ul style="list-style-type: none"> <li>• Application of 97/23/EC directive (PED - Pressure Equipment Directive)</li> </ul>  |
| <b>Licenses</b>                      | <ul style="list-style-type: none"> <li>• Registered member of the Hungarian Chamber of Engineers.</li> <li>• Planning permission in the field of gas and oil industry(G-T).</li> </ul>  |
| <b>Software knowledge</b>            | <ul style="list-style-type: none"> <li>• MS Office</li> <li>• AutoCAD, DraftSight, Navisworks</li> <li>• AVEVA PDMS (plant design)</li> <li>• SolidWorks / SolidPlant (plant design)</li> <li>• CaePipe (piping stress calculation)</li> </ul>  |
| <b>Employment History</b>            | <ul style="list-style-type: none"> <li>• Sherbiny Engineering LLC (for 4 years)<br/>Lead Mechanical Engineer</li> <li>• OT Industries Co. (former Olajterv Co.) (for 18 years)<br/>Piping Department Leader / Senior Piping Engineer / Piping Engineer</li> <li>• MMG Automatika Művek Co. (for 7 years)<br/>Sheet metal forming engineer.</li> </ul>   |



## WORK EXPERIENCE / REFERENCES

| POSITION                             | JOB / CLIENT / LOCATION  |
|--------------------------------------|--|
| Lead Mechanical Engineer for 4 years | <p>SHERBINY HOLDINGS</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> </ul> <p>AXFLOW SERVICES Llc (Hungary).</p> <ul style="list-style-type: none"> <li>Mobile Petrol Filling Unloading Unit – Detail design.</li> <li>Adria Transfer Pump Shaft Sealing System refurbishment- Detail design.</li> </ul> <p>AXFLOW / Procter &amp; Gamble Csömör, Hungary</p> <ul style="list-style-type: none"> <li>Closed Shaft Sealing System for process pumps (detail design)</li> </ul> <p>Columbian Carbon Co. (Tiszaújváros, Hungary)</p> <ul style="list-style-type: none"> <li>Tail Gas Seal Water Drum replacement</li> <li>Waste Heat Utilization of Air Compressors Innovation</li> </ul> <p>Project Llc.</p> <ul style="list-style-type: none"> <li>CLN (Continuous Linear Nozzle) firefighting pipeline design for JET fuel Tanks at Vancouver Airport, Canada</li> </ul> <p>PROFILAXIS Llc (Hungarian Milton Roy dealer)</p> <ul style="list-style-type: none"> <li>SHELL Fuel Additive Dosing System – EPC offer collaboration.</li> </ul> <p>SADARA</p> <ul style="list-style-type: none"> <li>HCL Dosing Skid Units – Detail Design Trivia</li> </ul> <p>Industry Kft.</p> <ul style="list-style-type: none"> <li>Feasibility Studies for wet cooling tower installation for Nuclear Plant - Paks, Veolia Water Solutions – Ajka, Conserve Factory – Kecskemét</li> </ul> <p>Huntsman Corporation Hungary</p> <ul style="list-style-type: none"> <li>Falcon Project Feasibility Study</li> <li>C10 existing column replacement – piping and pressure vessel design</li> </ul> <p>XELLIA</p> <p>Feasibility Study for Acetone and Methanol regeneration unit refurbishment – piping design</p> |



## WORK EXPERIENCE / REFERENCES

| POSITION   | JOB / CLIENT / LOCATION  |
|--|--|
| Department<br>Leader / Senior<br>Engineer for 7<br>years | <p>MA-GUMI Ltd.</p> <ul style="list-style-type: none"> <li>Basic design for choke and kill flexible hose testing system. SAUDI ARABIAN CHEVRON Co.</li> </ul> <p>Implementation of Foam Fatale (fire protection) System for storage tanks – Basic design.</p> <p>DKG Co. Ltd.</p> <ul style="list-style-type: none"> <li>Tender documentation for implementation of DKG Plant in Kazakhstan.</li> </ul> <p>TVK Plc.</p> <ul style="list-style-type: none"> <li>Butadiene and C4 Storage Tanks - basic and detail design.</li> <li>Butadiene Plant – OSBL piping design. MOL Plc.</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. MOL</li> </ul> <p>Romania</p> <ul style="list-style-type: none"> <li>Giurgiu Depot, Stage 2 – EPC offer preparation. JSR MOL Co. Ltd.</li> </ul> <p>Synthetic Rubber Plant – EPC offer elaboration.</p> <p>INA (Croatia)</p> <ul style="list-style-type: none"> <li>Reconstruction of rail and tank car loading and unloading facilities – EPC offer preparation.</li> </ul> <p>SLOVNAFT (Slovakia)</p> <ul style="list-style-type: none"> <li>Ethylene Storage Tank – EPC offer elaboration.</li> <li>Aromatic Unit reconstruction – EPC offer preparation. MOL Austria</li> <li>Truck car loading station reconstruction – Feasibility study. URAL OIL &amp; GAS LLP</li> </ul> <p>Rozhkovsky Field Development – Feed design. CTK Ltd (ADITYA BIRLA CARBON Group)</p> <ul style="list-style-type: none"> <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> </ul> <p>NITOGÉN MŰVEK Plc.</p> <ul style="list-style-type: none"> <li>Ammonia Plant reconstruction – Design offer preparation. OMAN OIL COMPANY</li> </ul> <p>Musandam Processing Plant – EPC offer elaboration. APS Roma Ratawi SRU Unit – EPC offer preparation.</p> |



## WORK EXPERIENCE / REFERENCES

| POSITION                       | JOB / CLIENT / LOCATION  |
|--------------------------------|--|
| Senior Engineer<br>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> </ul> <p>MOL Plc.</p> <ul style="list-style-type: none"> <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> </ul> <p>TVK (Hungary)</p> <ul style="list-style-type: none"> <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<br>for 5 years | <p>BASF (Germany)</p> <ul style="list-style-type: none"> <li>CITRAL Plant – Piping design. MOL Plc.</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>PHU Plant – Piping design. TVK Plc.</li> <li>Polypropylene-IV. Plant – Piping design.</li> </ul> <p>ENI - DUNASTYR (Hungary)</p> <ul style="list-style-type: none"> <li>EPS Plant (capacity ext.) – Piping design.</li> </ul> |