

# RASHIV LUBANA

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## ACADEMIC EXPERIENCE

BSc. Chemical Engineering – University of Alberta, Edmonton, AB

APEGA Registered Professional Engineer

Project Management Professional (PMP)® - Project Management Institute

## WORK EXPERIENCE

**MEGlobal**, Fort Saskatchewan, AB

August 2022 - Present

### Operations Leader

- Lead day-to-day operations of a world-scale glycol unit, overseeing a team of 25+ operations personnel. Achieved a 99.2% unit availability rate over the past 12 months through proactive troubleshooting, effective coordination with Maintenance and Engineering, and strategic prioritization of reliability tasks.
- Manage a multimillion-dollar expense budget across multiple cost centers. Delivered a 6% year-over-year reduction in controllable expenses by optimizing maintenance coordination, streamlining chemical usage, and implementing energy efficiency improvements.
- Spearheaded the investigation and resolution of a chronic high-aldehyde issue, eliminating off-spec production across 14 check tanks and preventing recurrence since April 2024. Improved reactor feed rates by 0.1 KTPD through procedural refinements and operator coaching.
- Acted as Immediate Response Leader (IRL) with active participation in plant drills, leadership of real-time event responses, and alignment with site-level Emergency Response Plans. Trained cross-functional teams on critical scenarios including process upsets and chemical releases.
- Translated business and site strategy into tactical shift-level targets. Led structured annual goal-setting processes for crew, achieving over 95% target completion across safety, production, and compliance KPIs.
- Delivered multiple non-capital/capital improvement projects annually. Collaborated with Engineering on capital scope for turnarounds, developed detailed commissioning and startup plans, and ensured alignment with plant readiness standards.
- Act as Safe Work Permit Approver and ODMS Element Focal. Completed 100+ field verifications and BBPs annually. Led multiple incident investigations, implementing corrective actions that reduced safety events by 30% and improved contractor compliance metrics.

**MEGlobal**, Fort Saskatchewan, AB

July 2020 - July 2022

### Production/Process Engineer

- Collaborated with Technical Advisors and plant personnel to optimize the operation of assigned areas, ensuring alignment with MEGlobal's MI objectives, including EH&S and cost efficiency.
- Led and coached others in resolving complex plant issues, ensuring continuous improvement in operational performance.
- Enhanced the technical capabilities of Operations personnel by sharing knowledge and implementing best practices, ensuring the deployment of the Most Effective Technology (MET) and Operating Discipline.
- Leveraged Statistical Process Control (SPC) to maximize plant asset utilization and consistently produce high-quality products.
- Identified and executed small-scale improvement projects aimed at enhancing operations in areas such as safety, asset utilization, and process efficiency.

- Led and participated in investigations of unplanned events, documented findings, and worked to close operational gaps quickly.
- Worked with Production Engineers, Technical Advisors, and Reliability Engineers to optimize plant performance and share best practices across MEGlobal facilities.
- Actively participated in unit safety programs, supported emergency response efforts, and ensured compliance with MEGlobal's safety and environmental standards.
- Served as the unit's Landlord during the absence of the Production Leader and supported critical decision-making processes.

**MEGlobal**, Fort Saskatchewan, AB

March 2019 - June 2020

**Improvement/Project Engineer**

- Lead a project portfolio of \$13MM CAD capital value through the project definition, detailed design, execution to project close-out phases.
- Successfully lead a vessels fabrication project with an EPC and vendor located in China. Travelled to China to ensure timely and quality completion of the equipment fabrication.
- Developed strong communication & stakeholder management skills and delivered vessel fabrication project ahead of schedule despite language & cultural barriers and COVID 19 pandemic.
- Executed 8 projects with zero safety incidents. Ensured compliance with all relevant safety standards and embedded a culture of "safety first" mindset in project execution teams.
- Implemented a cost saving of 10% on the entire portfolio through competitive bidding and identifying opportunities such as performing work outside of Turnaround.
- Lead Glycol, Biox and offsites unit shut down, turnaround activities and start-up.
- Identified gaps and opportunities in the plant's current performance and initiated projects to improve plant reliability, capacity increase, energy savings and EH&S.
- Facilitated and lead Root Cause Investigations (RCIs) of unplanned events as per the MEGlobal Root Cause Investigation Policy and developed path forwards & action plans for safe return to Operations.

**Enerkem**, Edmonton, AB

July 2018 – March 2019

**Process Engineer, EIT**

- Demonstrated safety leadership through HAZOPs, risk analysis, root cause analysis and personnel safety.
- Directly engaged with senior management to document, establish & improve processes and procedures.
- Performed technical monitoring and optimization of Thermal Oxidizer, H2S removal and Naphthalene Benzene Toluene and Xylene removal (NBTX) units and documented performance against KPIs.
- Initiated and executed innovative MOCs for equipment upgrades, process safety concerns, reliability gaps, process changes and regulatory compliance.
- Lead the Thermal Oxidizer, H2S removal and NBTX unit shut down, turnaround activities and start-up.
- Developed and optimized operating parameters, interlock matrix for process/equipment control & SIS and alarm management.
- Initiated, justified, defined and executed various projects (design changes, equipment addition, growth projects and chemical cleaning).
- Participated in continuous improvement by streamlining and implementing new processes.
- Provided daily process engineering support including threat identification, troubleshooting, process optimization (while ensuring equipment integrity) and performance & regulatory reporting.

**FourQuest Energy, NWR Sturgeon Refinery, AB**

March 2017 – June 2018

**Construction Project Engineer, EIT**

- Supervised and coordinated a team of 16 (Air Blow team), including training, development, employee relations and scheduling to ensure continuous high quality performance.
- Demonstrated strong stakeholder management skills and established strong relationships through open and positive communication with clients, project manager, engineering manager, and various crews.
- Participated and coordinated pre-commissioning and commissioning activities throughout the facility.
- Initiated and lead activities that helped achieve safety, health, environmental, cost & schedule and quality objectives of the project.
- Prepared engineering work scope, procedures, quality plans, safety plans, and project schedules for pre-commissioning activities such as Air and Steam blows, Chemical Cleaning and Lube Oil flushes.
- Developed procedures for the job scope, ensured availability of required materials, managed budget and schedule.
- Resourced project materials and services, performed site visits and walk downs, and ensured the implementation of the project in a safe, timely, and efficient manner.

**WEST FRASER, Cariboo Pulp & Paper, Quesnel BC**

September 2015 – March 2017

**Process Engineer, EIT**

- Analyzed and performed chemical reaction balances, heat & material balances and recommended improvements resulting in a 1% increase in plant efficiency.
- Performed process improvement study on tall oil plant which resulted in 10% increase in runtime.
- Demonstrated strong commitment to Health, Safety and Environmental standards by leading workplace hazards assessments (HAZOPs, SIS, and PHAs).
- Performed process monitoring; identified, investigated and resolved operational and performance issues in Bleach Plant, Chlorine Dioxide Generation (R8) and Tall Oil Processing Plant.
- Performed and developed operating guidelines and procedures, feasibility studies, technical reviews, and cost analysis for process optimization and maintenance of equipment.
- Provided process expertise in troubleshooting control strategies in Chlorine Dioxide generation plant.
- Tracked and resolved unit reliability issues to ensure optimum performance and compliance with KPI's.
- Developed process designs including operating parameters, equipment & instrumentation requirements (including equipment sizing), equipment layout plans, materials of construction and tie-in lists.

**ADDITIONAL INFORMATION**

**Computer Skills**

- Skilled at PI Process Book, Microsoft Office applications, AutoCad, and Adobe applications.
- Experienced with Matlab, SAP, Maximo, SolidWorks, and Smart Plant Review.