

# LIANG HUA

PMP, HBX CORE, MIEAust

(647) 803 6164 ■ Palmerston, Toronto ON ■ lianghua.social@gmail.com ■ linkedin.com/in/lianghua89

## PROJECT MANAGER ■ PROCESS IMPROVEMENT ■ ANALYSIS & PLANNING

A critical thinker adept at transforming complex issues to straightforward solutions, I am able to bring creative solutions to meet business issues. This is accomplished by blending data and 'on field' experience to cater to business needs and advise the appropriate path forward.

My career interest includes project management, operational strategy, and continuous improvement. Additionally, I'm a certified PMP (Project Management Professional) and hold the Harvard Business School HBX CORE credential.

Areas of expertise include:

- Project Management
- Risk Analysis
- Client Management
- Management of Change
- Lean Six Sigma
- Operational Strategy
- Vulnerability Analysis
- Asset Management
- Business Analysis
- Reliability Centred Maintenance
- Lifecycle Analysis
- Root Cause Analysis
- Defect Elimination
- Team Leadership
- Asset Criticality Assessment

## EXPERIENCE

---

**Emirates Global Aluminium** 2015 – 2018  
Abu Dhabi, United Arab Emirates

**Reliability Engineer** 2015 – 2018

- Improved asset management by 91% via the development and implementation of operational strategies for the first alumina refinery built in the Middle East.
- Managed an 8-person team that developed the Management of Change (MOC) process for a company of 8,000 employees. This has led to cost savings of \$2.5M during the first year of MOC implementation.
- Performed RAMS, Spare Parts Analysis, Lifecycle Costing, and Vulnerability Analysis to ensure production targets were met and risks reduced during the commissioning of the refinery.
- Managed and integrated the engineering team to the Process Information Management System (PIMS), which collects data on equipment performance. This improved business decisions and strategic adjustment efficiency by 43%.
- Implemented the Asset Criticality Assessment (ACA) and Failure Mode, Effects and Criticality Analysis (FMECA) to identify potential bottlenecks and eliminate potential expenses such as breakdowns and unwanted purchases.

**Rio Tinto** 2012 – 2015  
Queensland, Australia

**Maintenance & Reliability Engineer** 2013 – 2015

- Quick response and cross-department collaboration skills ensured that a breakdown of a critical piece of equipment, which attributed to \$1.4M loss/day, was rectified in 5 days as opposed to 4 weeks initially estimated. I was recognised by the CEO of the company for this effort.
- Independently gather critical data from SAP and other programs to identify potential improvement opportunities and potential bottlenecks.
- Engaged clients, operators and peers to progress projects in order to achieve both short term and long-term operational targets.
- Analyzed and identified a potential loss of \$110,000/week due to production limitations. Managed a \$3.8M project with a 12-person team to rectify the issue.
- Awarded the companywide Rio Tinto HSE (Health, Safety and Environment) Improvement Award three (3) times for commitment and promotion of site safety initiatives.

## Project Engineer

2012 – 2013

- Analyzed client systems, work processes and needs by interviewing stakeholders, conducting onsite observation, and performing data and statistical analysis studies. This ensured end results are defined and the steps required to get there are agreed upon.
- Achieved high degree of collaboration and engagement with the client and stakeholders. This ensured that client expectations and requirements are met, and that the objective and approach are aligned.
- Maintained positive and productive relationships with clients by facilitating training, workshops, and knowledge sharing throughout the course of the project and after the completion of the project.
- Managed a \$2.5M project for the construction, delivery and installation of mechanical equipment. Project was successfully delivered on time and under budget. The project ensured a saving of \$672,000pa for the company.
- Grew the portfolio of the projects team by working with clients to identify a new \$1.1M project. Upon completion of the project, operational team overall effectiveness improved, which equated to \$410,000pa in savings.

## Site Committee Coordinator

2014 – 2015

- Managed a 10-person committee addressing the increasing trend in medical injuries by driving awareness, developing solutions that eliminate the root cause of these injuries, and ensuring ergonomically suitable tools are used.
- Medical injury rates decreased from 4.2 to 1.7 injuries/month within 6 months from kickoff. This exceeded the initial management expectations to achieve 2.0 injury/month in 12 months.
- Developed individual committee members via coaching and mentoring. This led to three (3) individuals on the committee becoming supervisors in their own teams.
- Collaborated with training department to enhance onboarding and training programs so that new personnel are familiarized with safety requirements and expectations.

## EDUCATION & CERTIFICATION

---

### Harvard Business School, HBX CORE

2017 – 2017

*Credential of Readiness (High Honors)*

An intensive 5 months certification program which covers business and data analytics, accounting, and management economics. The program focuses on case studies, and places the candidate into the role of a business leader to solve real-world problems.

### Monash University, Australia

2008 – 2012

*Bachelor of Engineering (Honors), Class of 2012  
Mechanical Engineering*

Graduated with Honors in 2012. AusIMM (Australian Institute of Mining and Metals) Student Committee Lead. Organized and promoted various information nights, career fairs, and meetings between engineering/geology students and representatives from the mining and metals industry.

### Project Management Institute (PMI)

Project Management Professional, PMP 1847808

### Engineers Australia

Professional Engineer, MIEAust 3743539

### Rio Tinto – Lean Practitioner

Lean Six Sigma Practitioner

### Carnegie Council for Ethics in International Affairs

New Leaders Program, East Asia and Middle East

## INTERESTS & ACHIEVEMENTS

---

### Marathon Participation

In 2015, I participated in the Big 3 Australian marathons - Gold Coast, Sydney and Melbourne - to raise money for the World's Greatest Shave – a support foundation for Australians living with leukemia.

### Travelling

I enjoy being exposed to various new and exciting cultures. My goal is '30 by 30' – to visit 30 different countries by the time I'm 30 years old.