

WALEED AHSAN

Project Engineer



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Waleed Ahsan Waleed Ahsan Valid Transferrable Work Visa

PROFILE

Results-driven Project Engineer and Engineering Management Specialist with 4+ years of cross-industry expertise in project deployments, process optimization, and production systems. Proven track record in delivering mega projects on time and within budget while driving operational excellence through Lean Six Sigma methodologies. Adept at working with cross-functional teams, negotiating vendor contracts, and implementing IoT/ERP solutions to enhance efficiency.

PROFESSIONAL EXPERIENCE

OrcaFlipp Technology Company, Project Engineer Dec 2024 – Present
Manama, Bahrain

- Spearheaded end-to-end management of IT infrastructure modernization project across Bahrain and Saudi Arabia, ensuring compliance with ISO 27001 standards and reducing system downtime by 30%.
- Worked with a cross-functional team to deploy ERP (SAP) and IoT solutions, streamlining workflows and achieving operational cost savings through automation.
- Negotiated vendor contracts for hardware/software procurement, securing 15% cost reduction while maintaining SLAs and fostering long-term partnerships.
- Monitored KPIs using Power BI dashboards, enabling data-driven decision-making and improving project delivery timelines.
- Conducted bi-weekly stakeholder reviews to align project milestones with business objectives, resolving 95% of scope conflicts proactively.

Techflipp, Process Engineer Nov 2023 – Nov 2024
Riyadh, Saudi Arabia

- Directed process re-engineering initiatives for 5+ clients in the GCC, delivering SAR. 1.2M in annual savings via Lean Six Sigma strategies and value stream mapping.
- Designed automated client onboarding workflows using MS Visio, reducing onboarding time from 14 to 7 days and improving client satisfaction scores by 25%.
- Collaborated with procurement teams to implement cost-effective SaaS solutions, achieving 18% reduction in vendor expenses through strategic negotiations.
- Trained staff on Lean Six Sigma tools, resulting in an increase in internal process improvement proposals.
- Conducted process simulations using Arena software to validate workflow changes, minimizing implementation risks.

Engineering Science Institute for Training,
Technical Training & Development Engineer

Jun 2022 – Oct 2023
Riyadh, Saudi Arabia

- Developed accredited training programs (PMI, NEBOSH, AutoCAD) for professional engineers, enhancing workforce competency and contributing to a 25% increase in client project success rates.
- Conducted training needs analysis (TNA) for multinational clients, aligning curriculum with ISO 9001 and OSHA standards.
- Implemented LMS platforms (Moodle) to track trainee performance, reducing certification processing time by 35%.
- Collaborated with PMI and NEBOSH to update certification criteria, ensuring alignment with GCC regulatory changes.
- Assisted the IT department in launching a mobile learning app, increasing course completion rates.

Hayat Packages, Production Engineer

Feb 2021 – Apr 2022
Lahore, Pakistan

- Managed daily operations of packaging lines, optimizing production schedules to meet a 98% on-time delivery rate and reduce waste.
- Collaborated with quality control teams to resolve bottlenecks, increasing throughput by 18% through root cause analysis (RCA).
- Introduced predictive maintenance protocols using IoT sensors, cutting equipment downtime.
- Led an energy efficiency initiative that reduced testliner and superfluting rolls consumption by 12%.
- Coordinated with supply chain teams to implement Just-in-Time (JIT) inventory systems, reducing storage costs.

EDUCATION

The University Of Nottingham (United Kingdom),
Bachelor of Engineering with Honours in Mechanical Engineering
Degree Classification 2:1

Sep 2017 – Aug 2021

The University Of Nottingham, Foundation in Engineering
Grade: A

Oct 2016 – Aug 2017

EDUCATIONAL CREDENTIAL ASSESSMENT

Verified International Academic Qualification, World Education Services (WES)

- Indicates that WES has evaluated the associated credential on behalf of the holder.
- Verifies the authenticity of the claimed credential.
- Provides assurance that the institution and program were accredited when the credential was issued.

CERTIFICATES

General Industry Safety and Health, from *OSHAcademy (Beaverton, Oregon, United States)* [↗](#)

Hazard Communication, Safety Hazards Controls, Hazard Analysis, Managing Safety and Health in GI.

ENGR2000X: A Hands-on Introduction to Engineering Simulations,

Cornell University (New York, United States) [↗](#)

Computational Modelling Techniques (CMT), Finite Element Analysis (FEA), Computational Fluid Dynamics (CFD), Mechanics, Fluid Dynamics, Ansys.

Project Management Professional, from *Engineering Science Institute (Esi) - TVTC Saudi Arabia* [↗](#)

Project Integration, Project Scope & Schedule Management, Cost Management, Risk Management, Project Stakeholder Management, Ethics in Project Management, Agile and Adaptive Project Management.

Learning path: Stay Ahead in Advanced Manufacturing, *LinkedIn* [↗](#)

Advanced Manufacturing, Rapid Prototyping, Rapid Manufacturing, Rapid Tooling, 3D Printing, Computer Numerical Control (CNC) Machining, Modelling, Additive Manufacturing, Manufacturing Drawings, Product Design

LEAN SIX SIGMA WHITE BELT, from *Training. MFTreinAMentos (Brazil)* [↗](#)

Lean Six Sigma, Six Sigma, DMAIC, MiniTab

Total Quality Management, from *Engineering Science Institute (Esi) - TVTC Saudi Arabia* [↗](#)

Quality Planning and Policy, Quality Control Tools & Techniques, Quality Management Systems (ISO 9001), Continuous Improvement and Kaizen, TQM in Supply Chain Management, Six Sigma Methodology.

Strategic Sourcing Excellence: Advanced Negotiation Skills for Procurement and Supply Chain Professionals, from *Engineering Science Institute (Esi) - TVTC Saudi Arabia* [↗](#)

Contracts and Negotiations, Supplier Management in SCM, Strategic Sourcing, Procurement Skills.

Project Management Reinvented for Non-Project Managers, *LinkedIn* [↗](#)

Project Management, The Project Canvas

Microsoft Excel 2019 / 365, Earn and Excel [↗](#)

Excel Functions, Ranges and Shortcuts, Printing, Formatting and Conditional Formatting, Pivot Tables, Power Query and Dashboards, Macros & VBA, Data Analysis: Text, Formulas & Logic.

SKILLS

Mechanical Engineering

- Assessing and Evaluating any Machine Operations and Performances
- Testing and Modifying
- Internal Combustion Engines (ICEs)
- Additive Manufacturing
- Solidworks ANSYS

Business Management

- Contract Law
- Business Models
- Negotiations
- Financial Literacy
- Business Analysis & Strategy
- Operation Management
- Risk Management
- Quality Control

Useful Computer Softwares

- Zoho Books
- Quick Books
- ERP Systems
- Microsoft Office
- OBS Studio.

Project Management

- Project Management & Gantt Charts
- Agile Methodologies
- Agile Mindset & Planning
- Technical Project Management
- Microsoft Excel.

Supply Chain Management (SCM)

- Master Production Scheduling (MPS)
- Material Requirement Planning (MRP)
- Distribution Requirement Planning (DRP)
- Operations & Logistics Management
- Planning & Demand Management
- Sales & Operations Planning (S&OP)
- Proactive & Process-oriented mindset.

Soft Skills

- Excellent communication skills
- Time management
- Teamworking
- Leadership
- Forward Planning and Management.

LANGUAGES

English



Urdu



Arabic

