

MUHAMMAD FAHAD

OPERATIONS AND SUPPLY CHAIN MANAGER

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Profile

An accomplished Industrial Engineering professional with extensive experience in advising, specializing, and consulting across various industrial sectors. Proficient in employing analytical methodologies to optimize processes and enhance operational efficiency. Recognized for delivering strategic solutions and driving continuous improvement initiatives. Strong background in project management and a proven track record of achieving measurable results.

EDUCATION

MASTER OF ENGINEERING



NED University of Engineering & Technology 2009
Industrial & Manufacturing Engineering

MASTER OF SCIENCE



Delft University of Technology (TU Delft) 2008

(Mechanical Engineering with specialization in Production Technology, Mechatronics and Micro Systems.

M. Sc. Thesis on Laser Welding of Galvanized Steel)

BACHELOR OF ENGINEERING



NED University of Engineering & Technology 2003.

(Mechanical Engineering)

MEMBERSHIPS

-  Life Time Member of Pakistan Engineering Council's Professional Engineer (Membership ID: Mech-18089).
-  Member of American Society of Mechanical Engineers (Membership ID: 000103809052).
-  Member of Society of Manufacturing Engineer (Membership ID:000017094988).
-  Member of Institution of Engineers, Pakistan-IEP, (Membership ID: M-21315/KAR-3733).

WORK EXPERIENCE



| Engineering Development Board, MoIP |

Advisor / Specialist-Industrial Engineering (PPS-11/BPS-21)
April 2024 – Present

Key Responsibilities:

- Leadership provision within the industrial engineering function, offering support to team members for enhancing industrial sector improvements.
- Execution of value chain analyses for industrial engineering in Pakistan, focusing on process automation and Industry 4.0.
- Benchmarking Pakistan's industrial engineering sector against globally competitive sectors/clusters in terms of process automation and Industry 4.0.
- Identification and analysis of existing and potential issues and bottlenecks hindering manufacturing industry growth, proposing tailored solutions for consideration by competent authorities.
- Collaboration with stakeholders (private and public) to develop manufacturing sector studies and ensure effective implementation of study recommendations.
- Formulation of national targets to advance technology adoption within the manufacturing industry in alignment with national development objectives.
- Creation of development models tailored to the manufacturing industry's specific needs.
- Proposal and development of policies and programs to promote manufacturing industry growth, emphasizing import substitution and export enhancement.
- Design and delivery of capacity building programs for the manufacturing industry, integrating international best practices.
- Identification of target export markets for the manufacturing industry, analysis of trade barriers, and proposal of solutions.
- Monitoring and evaluation of policy/project implementation progress, advising corrective measures for effective realization of approved goals.
- Advisory role on all matters pertaining to the manufacturing industry.
- Fulfillment of any additional duties or tasks assigned by higher authorities.

CERTIFICATIONS

CERTIFIED ISO QMS 9001-2015 LEAD AUDITOR

| PIQC Institute of QUALITY Control (Karachi, Pakistan) | 2019

PROJECT MANAGEMENT METHODOLOGIES

| Project Management Institute (Karachi, Pakistan) | 2013

ACADEMIC ACTIVITIES

Working as Research Assistant as per PhD Studies Requirements (Industrial and Manufacturing Department, NED university of Engineering and technology)

Acquiring knowledge in the field of Supply Chain Management, and Quality Management through online courses.

SKILLS

Professional Competence

Production Planning
Inventory Management
Distribution Planning Project
Management Quality
Management Time
Management
Risk Management

Digital Competence

MS Office MS
Project

Honors & Awards

Recipient of Chairman's Commendation Certificate from Chairman SUPARCO in 2014.

Recipient of Spot Award from Managing Director, SSGC in 2022.



| Meter Manufacturing Plant, Sui Southern Gas Company Limited |

Acting Deputy General Manager / Incharge (Grade-VII, BPS-19)

March 2024

Chief Engineer (Grade-VI, BPS-19)

July 2022 – February 2024

Deputy Chief Engineer (Grade-V, BPS-18)

February 2015 – June 2022

Key Responsibilities:

- Planned and managed production targets to meet organizational goals, optimizing processes for enhanced efficiency.
- Effectively managed a diverse workforce, ensuring optimal utilization of resources and maintaining a positive work environment.
- Spearheaded business development initiatives, particularly with SSGC and SNGPL meters, fostering strategic partnerships and securing key contracts.
- Conducted thorough planning and forecasting activities, aligning production and operational strategies with organizational objectives.
- Prepared comprehensive budgets and successfully gained management approval, ensuring financial prudence and adherence to fiscal targets.
- Stayed abreast of international quality standards, actively seeking ways to achieve and exceed benchmarks in process and product improvement.
- Led initiatives for new product development, technology transfers with Original Equipment Manufacturers (OEMs), and vendor development.
- Successfully implemented the upgrade of existing equipment and machinery, enhancing overall production efficiency.
- Oversaw general factory administration, ensuring a well-organized and compliant operational.
- Managed financial aspects of the department, aligning expenditures with budgets and optimizing financial resources.



| SUPARCO (PAKISTAN NATIONAL SPACE AGENCY) |

Manager /Acting Divisional Head (SPS-9/BPS-18)

May 2009 – February 2015

Assistant Manager / Section Head (SPS-/BPS-17)

February 2004 – April 2009

Key Responsibilities:

- Led end-to-end management of strategic and PSDP projects, ensuring successful implementation.
- Drove enhancements in manufacturing processes for increased efficiency.
- Managed parts and sub-assembly production for strategic projects, ensuring quality and timeliness as per zero defect policy.
- Oversaw machinery procurement, installation, and commissioning.