

# Pankaj Mishra

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Doha, Qatar

**Results driven plant Operation and Maintenance Manager with over 32 years of experience in mechanical engineering and project leadership. Proven expertise in enhancing operational efficiency, developing maintenance strategies, and achieving cost savings.**

## PROFILE & VALUE

- **Professional Touch:** Safety-conscious, dependable, self-driven Maintenance Professional with robust technical experience in the Aluminium industry. Proven expertise in operations, predictive, planned, & preventive maintenance practices. Represented plant operations in Greenfield, Brownfield projects and demonstrated work ethic with focus on Occupational Health and Safety (OH&S) & Zero Harm.
- **Experience:** Mechanical aptitude with the ability to address simultaneous maintenance and repair issues accurately and efficiently. I am skilled in reliability analysis, strategy formation, planning, cost reduction, vendor development, material procurement, customer service with continuous improvement orientation.
- **Acumen:** Well, acquainted with handling production, maintenance & procurement. Knowledge gained from experience, certifications, and training.
- **Management:** Meticulous and structured approach with a unique blend of managerial, technical, analytical, and qualitative skills. Strong record of people management and resource optimization
- **Interpersonal:** Exceptional communication skills, good coordination with co-workers; delivering results on time and within assigned resources
- **Passion:** Green industrial practices advocate, enthusiastic about environmental conservation and waste reduction.

## QUALIFICATION & EXPERTISE

Strategic Leadership  
Plant Operations & Maintenance  
Preventive Predictive Maintenance  
Manufacturing & Asset Management  
Aluminium Smelter & Recycling  
Spare Parts Procurement  
Cost reduction, Vendor Development  
Team Management & Leadership  
Capex Planning & Budgeting  
Financial & Commercial Awareness  
Problem Solving and diagnostic skills.  
Continuous Improvement, TPM, 5 S  
Kaizen, FMEA, RCM, RCA, MS Office  
SAP, HSE, Maintenance & Repair

## EDUCATION & CREDENTIAL

- Bachelor:** • B. E, (Mechanical), MNNIT, Allahabad, India
- Training:**
- Advanced Lifting & Rigging Supervisor Course, Bureau Veritas, Qatar
  - Reliability Centered Maintenance Course, Horizon Services, Qatar
  - Environmental Auditor Training Course, CII, India
  - Training on TPM -Total Plant Maintenance, Kaizen, JIT, 5S, and Process Improvement Tools
  - Training Course on Finance for Non-Finance Managers
  - Training on World Class Manufacturing Practices, India dealing with Asset Life Cycle
  - QPS - Qatalum Production System, Qatar
  - ISO 9002, ISO 14001 & OHSAS 18001

## CAREER PROGRESSION

- | Senior Mechanical Engineer   | National Factory for Copper and Aluminium, Qatar | Sep 2020 – Till now |
|--|--|---------------------|
| <ul style="list-style-type: none"><li>• Formulated and implemented robust maintenance strategy and organization for all the equipment and facilities of the Suhail Industrial Holding group companies. It covers factories recycling Aluminum, Copper, Iron, Battery and producing various Plastic products, Scaffolding, Batteries, Brake pads, Bronze, Cast Iron, Geotextile, and metal forming /engineering facilities.</li><li>• Administer maintenance of diverse equipment, including Induction furnaces, Casting lines, Overhead cranes, Palletizing, Injection molding machines, pumps, compressors, Crushing, Screening, Material conveying, and CNC fabrication machines.</li><li>• Coordinated project activities related to erection and commissioning of various equipment for Group factories.</li><li>• Ensure identification, procurement, and storage of spare parts &amp; arrange services for the plant operations.</li></ul> |  |                     |
| Senior Reliability Engineer (Mechanical)   | Qatar Aluminium Limited, Qatar                   | May 2016 – Jun 2020 |
| <ul style="list-style-type: none"><li>• Orchestrated the asset management strategy by providing leadership &amp; strategic direction based on industry's best practices.</li></ul>   |  |                     |

- Developed new vendor, used alternative materials & other cost reduction activities to lower the maintenance cost.
- Championed Cost Improvement initiatives for maintenance material & contract services, achieving savings exceeding 3 MUS \$/ year on sustainable basis.
- Fixed Stock level, re-ordering levels for materials, identified non-moving items & initiated actions to dispose of such material.
- Enhanced machine availability through the optimization of preventive maintenance cycle. It reduced the required staffing and released substantial amounts of engaged resources for other operational activities.
- Anticipated and countered the causes and the failure modes that degraded equipment performance earlier than expected.
- Identified & implemented predictive and corrective actions based upon RCA to prevent the re-occurrence of failures.
- Monitored the critical asset performance of the entire facility and initiated long-term & short-term plans based on the analysis.
- Ensured RCM and FMEA performed & escalated issues and risks to allow adequate investigation and subsequent resolution.

- Represented Plant operations for the successful erection, commissioning of 5.6 BUS\$ Qatalum Greenfield Smelter Project.
- Ensured effective maintenance of various electrical, mechanical, and hydraulic equipment within the Reduction Plant
- Devised and monitored a comprehensive maintenance strategy encompassing both preventive and corrective maintenance activities for all equipment and supported the planning & scheduling function.
- Conducted pot relining activities for early failed pot cells.
- Developed SOPs, Work Instructions, and procedures in alignment with business objectives & continuous improvement.
- Collaborated with procurement to acquire necessary materials and services for smooth Plant operation.
- Ensured implementation of identified Improvement/ Capex proposal within the approved budget and the timeline.

- Spearheaded initiatives aimed at enhancing operational effectiveness, generating increased revenue, and streamlining processes. Exhibited robust mechanical aptitude and process control knowledge, complemented by strong leadership ability in a plant management position in a heavy industry environment.
- Monitored and managed the operations and maintenance across multiple facilities (11 potlines) while ensuring adherence to HSE regulations.
- Collaborated with contractors for pot relining activities and reduced pot turnaround time from 120 to 94 hours leading to enhanced production.
- Ensured preparation, and implementation of Capex / Improvement projects to improve efficiency, productivity, and HSE conditions & to reduce cost, and energy consumption norms.
- I lead the team to develop an in-house Automatic Alumina Feeding System reducing Alumina consumption by 0.2 MT/ MT of metal production and controlling the dust pollution.
- Plant operations representative for the installation and commissioning of Brownfield fume Treatment Plants for Potlines 1, 2, 3, 5, 6, valued at 11M USD, within the agreed budget and timeline.
- Plant operations representative for the Brownfield Capacity Expansion Projects encompassing Potlines 7, 8, 9, 10, and 11.
- Managed long-term maintenance planning & procurement of raw materials, spares, capital equipment, & contract services
- Dealt with contractors and vendors for project material procurement, service contracts, installation, commissioning & startup of equipment, and for the outsourced jobs of the department.

- **Date of Birth:** October 24, 1969
- **Sex:** Male
- **Nationality:** Indian
- **Languages:** Fluent in English and Hindi