

SUMMARY

Results-driven Engineering Director with over 15 years of experience in manufacturing processes and equipment optimization. Proven expertise in leading complex, multifunctional projects to ensure quality and cost-effective solutions through innovative engineering practices. Strong background in project management, stakeholder engagement, and financial acumen. Focus on delivering sustainable results while developing best practice standards and mentoring teams for operational excellence. Engages actively with cross-functional stakeholders to ensure alignment on goals, driving performance improvements and leading initiatives that enhance productivity and efficiency across operations.

EXPERIENCE

Engineering Director
Advanced Manufacturing Solutions

January 2021 - Present
Houston, TX

- Lead a team of engineering professionals focused on design, development, and deployment of manufacturing solutions that meet both internal and customer demands. Spearheaded initiatives with a focus on optimizing process efficiencies and reducing costs.
- Spearheaded the design and deployment of manufacturing equipment, achieving substantial reductions in production costs through optimized processes.
 - Managed cross-functional teams to deliver comprehensive customer-specific projects, enhancing product lifecycle management from initiation to retirement.
 - Established DFX standards that strengthened supplier partnerships, significantly boosting operational efficiency.
 - Developed training modules for engineering best practices, elevating team competency and success rates of projects.
 - Engaged strategically with stakeholders for negotiation on project expectations, ensuring alignment with operational goals.
 - Directed continuous quality audits, implementing corrective actions that led to improved compliance and product quality.

Senior Manufacturing Engineer
Tech Innovations Corp.

June 2016 - December 2020
Austin, TX

- Oversaw front-line efforts in evaluating and optimizing manufacturing processes within an innovative engineering environment, aiming for significant efficiency gains and cost reductions.
- Led manufacturing process evaluations, reducing cycle times by twenty percent via advanced design experiments methodologies.
 - Collaborated actively with supply chain units to assess and enhance supplier capabilities, ensuring alignment and compliance with production schedules.
 - Implemented lean techniques that markedly improved workflow efficiency, driving down operational costs.
 - Mentored junior engineers, fostering skills in project management and cultivating a culture centered around continuous improvement.
 - Conducted thorough risk assessment processes for new introductions, pinpointing potential impacts on safety and product quality.
 - Generated and maintained comprehensive technical documentation that streamlined knowledge sharing organization-wide.

Manufacturing Engineer
Precision Engineering Ltd.

March 2011 - May 2016
San Antonio, TX

- Focused on designing and optimizing manufacturing processes for varied product lines, driving successful and timely project launches.
- Designed and optimized new product line processes, successfully launching multiple initiatives ahead of schedule.
 - Conducted root cause analyses on production challenges, implementing measures that diminished defect rates substantially.
 - Worked collaboratively with cross-functional teams to enhance designs for manufacturability and cost beneficial outcomes.
 - Assisted during financial projections development for engineering endeavors, harmonizing budgetary aims.
 - Participated in key industry conferences to gather insights on emerging trends and effective manufacturing practices.
 - Supported effective implementation of quality systems, raising organizational compliance ratings and client satisfaction.

LEADERSHIP & AWARDS

- Lean Six Sigma Certification Excellence Award - 2022
- Best Process Improvement Initiative - 2023

EDUCATION

Bachelor of Science in Manufacturing Engineering
University of Texas at Austin GPA: 3.7

2006
Austin, TX

Coursework: Engineering Principles, Production Management, Quality Control, Project Management

CERTIFICATIONS

- Certified Project Management Professional (PMP) 📅 2021
- Lean Six Sigma Green Belt 📅 2020

TECHNICAL SKILLS

- **Project Management Tools:** JIRA, Trello, MS Project
- **Quality Assurance Methods:** 8D, PFMEA, DOE
- **Lean Methodologies:** Kaizen, Six Sigma, Value Stream Mapping
- **Data Analysis Tools:** Excel, Minitab, SQL
- **Manufacturing Software:** AutoCAD, SolidWorks, ERP Systems
- **Communication Platforms:** Zoom, Microsoft Teams, Slack
- **Collaboration Tools:** Confluence, SharePoint, Google Workspace
- **Risk Management Techniques:** Fishbone Diagram, Failure Mode Effect Analysis, Risk Assessment Framework
- **Documentation Standards:** ISO 9001, AS9100, TS16949
- **Training Programs:** Mentorship Development, Skills Workshops, Technical Training

SKILLS

- | | | | |
|------------------------|--------------------------|-------------------------|----------------------------|
| • Project Management | • Quality Assurance | • Equipment Safety | • Creative Problem Solving |
| • Process Optimization | • Stakeholder Engagement | • Design of Experiments | • 16D Corrective Action |
| • DFX | • Team Leadership | • Coaching | • Supplier Evaluation |
| • Lean Manufacturing | • Financial Acumen | • Negotiation | • Audit Compliance |

PROFESSIONAL AFFILIATIONS

- Member, Society of Manufacturing Engineers (SME)
- Active Participant, National Association of Manufacturers (NAM)

LANGUAGES

- English (Native)
- Spanish (Proficient)

ADDITIONAL INFORMATION

Work Status : Authorized to work in United States. No sponsorship required.

REFERENCES

AVAILABLE ON REQUEST