



VIJAY KUMAR N

**Plant Operations | Head of Manufacturing |
Production | Estimation | Design | NPD | NPI |
PFMEA | Planning | QA & QC
Preferred Industry: Manufacturing**

Profile Summary :

- Having professional experience more than **20+** years in Plant Operations, Head of the Manufacturing Engineering, Production, Estimation, Design, PFMEA, New Product Development, Methods, , Tooling, Materials, CAD / CAM, Production planning control, Quality control, Systems and Procedures, **Six Sigma**, 7QC Tools, 8D, APQP, PPAP, Kaizen, Poka Yoke, 5S, GD&T & Team management.
- Worked online and offline for several years on global projects for international countries such as **Germany and Switzerland**. In meantime well upgraded on plant operations, new manufacturing engineering strategies, improvements in fixture designs, cycle time reduction techniques, Tool Selection, Lean Manufacturing and Production Management Key Techniques.
- Provide material specifications and other requirements to the vendors and make payments upon delivery of materials and Research about new machinery, purchase necessary equipment, conduct test and approve machinery for use.
- Expertise in improving operations and maintaining overall documentation as per **AS 9100D, ISO 9001, ISO 45001 & ISO14001** standards
- Oversee all daily operations of the plant from production and manufacturing to ensuring policies and procedures are followed. Develop processes that will maximize stewardship, safety, quality and productivity.
- Professional experience in Team Management: Mentoring and execution of activities related to evaluate staff performance and provide necessary support to all the employees.
- Ensured achievement of production targets for the unit within the **Estimation, Cost Control & Budgeting** with time and quality norms;
- Ensure timely completion of FADs as per agreed targets so as to ensure 100% repeat orders.
- Directed international & domestic operations for the set-up standards with liability for strategic utilization & deployment of available resources to achieve organizational objectives.
- Coordinate and direct projects, making detailed plans to accomplish goals and directing the integration of technical activities
- Prepare annual budget for New equipment facilities and manage expenditures within budget.
- Increase production, assets capacity and flexibility while minimizing unnecessary costs and maintaining current quality standards
- The planning of work schedules, assignments, and operation sequences to meet production requirements, including the allocation of resources.
- Should have delivered programs for critical customers like GE, Rolls-Royce, and Honeywell which is mix of structural & precision parts.
- Experienced in Health, Safety & Environment (**HSE**) Management to determine quality and effectiveness of the safety management systems
- Possess strong experience in **Automobile / Aerospace / Defense / Oil & Gas / Power / Die & Mould's** sectors etc.

Professional Skills

Plant Mfg. Operations
Manufacturing Engineering
Production Management
New Product Development
Process improvements
Cost Control & Budgeting
Estimations & CAD CAM
Managing Projects
Client Interaction
Systems & Procedures
Strong in Problem solving
Quality Adherence
Team Building

Soft Skills

Collaborator	Innovator
Team Leader	Change Agent
Communicator	Influencer

Work Experience:

Advik Hi Tech Pvt. Ltd., Pune as General Manager Manufacturing Engineering, Production, Estimation, Planning, Quality & Maintenance	May'16 – Present
Nucon Aero Space Pvt. Ltd., Hyderabad as DGM Manufacturing Engineering, Production, Estimation, Planning, Quality & Maintenance	Nov'11 – May'16
Skanda Aero Space Pvt. Ltd., Hyderabad as Senior Manager Manufacturing Engineering, Production, Estimation, Planning, Quality & Maintenance	Sep'06 – Nov'11
EQIC Dies & Moulds Pvt. Ltd., Hyderabad as CAM & Production In-charge	Jul'00 – Aug'06

Key Result Areas:

- Leading **Operations Manufacturing Engineering, Estimation, Cost Control & Budgeting, Production, Planning, Process, Maintenance, Quality, Design & Process Improvement** and driving superior operational & financial results and presenting style that perpetuates the Eaton values & philosophy and code of ethics
- Revamping **manufacturing processes** to be more profitable, lean & efficient for achievement of production targets for the unit within the cost, time & quality norms
- Technology up gradation** & Upgradation of machines and tooling's, Tooling Design, Machining Process Charts, Productivity & Process Improvements, Routing Charts, Cycle Time Reduction, Production Time improvements, Machine Hour Costing, Manpower deployment optimization, Overall Costing.
- Controlling **projects with respect to cost, resource deployment, time overruns** & quality compliance to ensure satisfactory execution of projects and participating in annual CAPEX & OPEX budget preparation
- Managing Projects & Mentoring Team, Client Interaction, Modelling & Design, Fixture, Tool Design, CNC Programming, Validating ISV Verifying tool path in Shop floor setup, On- site experience.
- Managing the process of the **introduction of new machinery**, plant and equipment from drawing up the specification, to managing suppliers through to full installation in collaboration with all relevant parties
- Supervision of Engineering Activities Oversee the daily activities of the engineering teams responsible for introducing and producing products that meet customer requirements in cost, delivery and quality. Set up team's KPIs on productivity & standards and ensure they are regularly met or exceeded.
- Anchoring **on-site production activities** to ensure completion of project within the time & cost parameters and effective resource utilization to maximize output & Develop team to achieve world-class competence in engineering and manufacturing methodologies.
- Evaluating the **team performance** by establishing a system of reports based on achievement & **area of improvement** so as to reach to the mutually agreed, team & individual goals
- Directing **operations** for the development & implementation of **standard operating procedures**, enhancing service quality and implementing corporate standards & best practices
- Spearheading the entire gamut of activities right from **conceptualization to execution** including finalization of technical specifications, procurement, vendor development, scheduling, progress monitoring, site management & manpower planning
- Establishing **project review, monitoring & status reporting** procedures to accurately report progress of the project to the stakeholders and end user clients
- Reviewing **reports** and solving operational, manufacturing & maintenance problems to ensure minimum costs & preventing operational delays & downtime
- Extensive experience in the process defining for critical parts and cutting parameters for various types of materials such as titanium, Inconel, high nickel alloys, aluminum, brass, graphite, C45, cast iron, Al He 30, En19 and stainless steels etc...
- Experience in **CNC turning centers, VMC, HMC, Simultaneous 5 axis, Multy tasking CNC Machines, EDM, Wire cut, Grinding (Surface, cylindrical and centerless)** and **knowledge in Heat treatment, Surface coatings (NADCAP)**.
- Design of tools and fixtures, maintenance function as preventive, breakdown, documentation Improvement of manufacturing efficiency costs, time reduction, **Lean six sigma & 5S**, etc...
- Strong in Involvement in **ALL IMPORTANT FUNCTIONS OF COMPANY** to ensure better decision making because of mature experience in manufacturing and offer good overall support to team in building strong consensus built decision making -CULTURE

Working with clients and Projects :

- ISRO**-PSLV-C48, LPSC | **BrahMos** - GLP-4 W39, SCM | **GE aviation** -F404, F414, F103, F408, GE90, GENX, CF6, LEAP, F110, T700, T901 | **Rolls-Royce** - TRENT XWB, TRENT900 AE2100, RB199, CTS800 | **Pratt & Whitney** - PW4000, V2500, GP7200, PW2000 | **Safran** - H160, AW189K, KAI LCH/LAH | **DRDL**- LRSAM/ QRSAM | **Rockwell Collins** - Electro-Mechanical Actuator (Direct Drive) | **Honeywell** - B737NG / CFM56-7, Comac Guide 777 | **CHINN, Nasmyth Technologies** - Structural parts | **Moog** - Manifolds, Primary Flight Control, Secondary Flight Control ,High Lift Contro | **ECIL**- SATCOM | **BDL** – AKASH, MRSAM | **HAL** – LCA, LCH, RUDRA, RD 33 PTAE 7, Hydraulic system | **RCI** – RSA, WAS, REMA, NGARM | **Rafael** – ACM, BARAK-1, 32 TYPES, 4 TYPES, 2TYPES | **BHEL** - Gas and Steam Turbines. Locomotives Generators | **Medha Servo** - 4500 HP diesel locomotive

Technical & IT Knowledge Skills:

- Hyper MILL, SIEMENS NX, CATIA, AutoCAD, Solid CAM, Mastercam (CAD / CAM)** and MS Office & Windows

Education:

- B Tech in Mechanical Engineering from Jawaharlal Nehru Technological University, Hyderabad, India in 2012
- Diploma Mechanical Engineering at Sri Visvesvaraya Polytechnic, Mahaboob Nagar, India in 2000

Certifications: **Lean Six Sigma Green Belt** (CLSSGB), Metal cutting technology **Sandvik Germany** and **CAD / CAM**.

Interested Activities: Cycling, Travelling, Cricket and Snookers

Personal Details:

Date of Birth: 11th May, 1981
Languages Known: English, Hindi, Telugu, and German (A2 Level)
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