



Sundar Karmegam

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Career Summary

Engineering Manager offering technically-inclined thinking, excellent logical abilities and outstanding organizational skills through over sixteen years of experience in multiple engineering areas, such as: **Engineering Operations Management , Program Management , Technology Management, Engineering Services CoE , Windchill / CAD Administration, Technical Publications and E-Learning , Engineering Design & Development and Sheetmetal Fabrication/CNC Manufacturing Operations** etc.,

Professional Experience

Engineering Manager

July 2012 - Mar 2017

Manitowoc Cranes, Inc. Global Engineering Center, Pune, India

Global Engineering Center - Operations

Key Responsibilities.....

- Liaise with various CoEs (Structures | Hydraulics | DriveTrains | Electrical | Control Systems) & Business Leads to establish offshoring strategies , growth plans & budgeting
- Develop, validate and enforce an end-to-end Standard Operating Procedure for an effective and robust Offshore business model
- Setup engagement level & CoE Level KPIs for continuous improvement in overall operating efficiency
- Shift Operations & Infra Capacity planning for Optimum utilization of Infra and resources.
- Represent GEC in Global Engineering Systems Council and IS - DTB Council to propose, coordinate and prioritize GEC IS issues and secure IS resources for implementation.
- Coordinate with multi-disciplinary IS teams for successful and timely implementation and completion of Projects
- Resource On-Boarding / Off -boarding with appropriate HR /Engineering / IS System access
- Liaise with ISGB – Information Security Governance Board, laydown and enforce IPR Policies via effective trainings, periodical Audits and reporting systems.
- Manage various Engineering Software Applications
Windchill PDMLink 11.0 | ProjectLINK 11.0 | ProENGINEER Wildfire 4.0 | Creo 3.0 | SAP | Oracle | IsoDRAW | DDA Uniplot | Baan | 3DS Max | Articulate Storyline | Adobe Creative Suite | SVN | VMWare Workstation | Trend iDLP | Citrix XenDesktop | VMWare Horizon VDI etc.,
- Plan & Conduct Datacentre upgrades and Maintenances
Cisco ASA Firewall | Core- Access Switches | SAN | ESX | Windchill File Vaults | CAD Workers | MPLS etc.,

Achievements...

- As a Project Lead for Offshore Engineering Center Infra setup, Established ,Stabilized and Rolled out the Data Center Infrastructure for offshore operation within the targeted Budget and Deadlines
- Maintained a minimum of 99 % Engineering /CAD Infra uptime Efficiency

- All Engg- IS infra Projects are done with 0% deviation from Project timelines in these 4 years
- Contributed to the expansion of offshore infrastructure from 15 to a 100 seater Engineering Center in 4 years
- Enforced IP Data Protection Policies offshore with full compliancy level in IP Data Security Audits in these 4 years
- Gained good credibility & rapport among senior IS – IP Data Security management team
- Introduced various process automations for superior accuracy of results and to improve productivity.

CoE Engineering Services

Key Responsibilities.....

- To plan, built and lead a Center of Excellence for Engineering Services
- Liaise with various business functions and strategize offshoring potentials
- Project Management
- Propose visions / long terms road map for Support functions under Engineering Services CoE
- Plan and build Expertise and Skillsets
- Facilitate Pilot Projects / Try-outs for smoother transition of work to Offshore
- Review, Laydown and enforce Function specific KPIs to ensure Customer Satisfaction and Growth.

Achievements...

- Established a successful offshore - CoE Engineering Services that supports our Engineering/ Manufacturing sites across Americas , Europe and APAC.
- Proven offshore support model built in the following Key business areas
 1. Technical Publications
 2. E- Learning / Training Development
 3. Engineering/CAD Systems Admins
 4. Global (Cranes Component) Standardisation
 5. Global ECN Admins – Windchill <> SAP

CAD Systems Administrator

April 2008 - July 2012

Manitowoc Cranes, Inc., Zhangjiagang ,China

Key Responsibilities.....

- Windchill 9.1 Business Administration
- Windchill Regional Data Center management
- Windchill - ERP(ECR-ECN-PR) Administration
- ProENGINEERING Wildfire 4.0 and other Engineering tools Administration
- Resource On-Boarding / Off –boarding with appropriate HR /Engineering / IS System access
- CAD Standards Management(Formats, Start Parts, Etc)
- Identify ,Test & Implement the Upgrades of CAD System
- Training on Upgrades & Advanced Design Concepts

Achievements...

- Successful migration of Intralink 3.4 Database in to Windchill PDMLink 9.1 for APAC Sites
- Maintained min of 99 % CAD Infra Availability to the Engineering Team

Project Coordinator

April 2006 - April 2008

Triad Software Pvt Ltd, Chennai, India.

Project #1 Enodis Delfield On-Site Program

As an On-site Coordinator of Delfield -Custom Division USA, responsible for Product Knowledge Transfer ,Process Definition, Work Instructions/Procedures , Pilot Job Execution and Setting Up Off-Shore Systems

Project #2 Kholer

Was responsible for Top down Design of Electrical Switch Assemblies in Pro Engineer, Detailing/Modelling Standardization as per Kholer Requirements

Project #3 TA Systems

Was responsible for Data migration of Automobile sub-assemblies, Reverse engineering of Work holding fixtures ,Re-Mastering of Non Parametric data in to Pro Engineer Parametric Models , Data Migration from Pro Engineer / Catia V5 / Solid Works to Master CAM / Mechanical Desk top & IDEAS

Manager – Manufacturing Operations

Dec 2000 - April 2006

Krishna Industries, Puzhal, Chennai, India

Key Responsibilities.....

- CNC Machine Shop Supervision
- CNC Programming & Tooling
- Sheet Metal Shop Supervision
- Production Planning & Control
- Process Fool-Proofing , Waste Elimination , Steel Sheet Blank Nesting
- Productivity Improvement (Progressive Dies)
- Management Representative – ISO 9000 – 2000 Certification

Mechanical CAD Designer

May 2000 - Dec 2000

Shimi Designs, Chennai, India

- 3D Solid Modelling of Casting components
- VISUAL LISP Programming

Awards & Recognitions

- Got the highest **Manitowoc Employee Performance rating** “Significantly Exceeded Expectations (5 Star)” consistently.
- **Star Performer of the Year 2013** - Manitowoc – HCL Global Engineering Center
- **Manitowoc Employee Longevity Award**

Professional Qualification

Bachelor Degree in Mechanical Engineering

University of Madras

Graduated - 2000