

Arun Kumar Maddela | Project Manager

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SUMMARY

Project Manager and Electrical Engineer with over 10 years of experience leading large-scale programs across technology, construction, manufacturing, and renewable energy. Proven track record in managing end-to-end project lifecycles from planning and design to execution and commissioning, ensuring on-time and within-budget delivery. Skilled in program and portfolio management, construction project oversight, electrical systems design, and vendor coordination, with expertise in streamlining processes and strengthening operational performance. Experienced in risk assessment, change management, and regulatory compliance (OSHA, ISO, NEC, NFPA, HIPAA, SOX, GDPR), ensuring adherence to industry and safety standards while supporting enterprise initiatives. Proficient in MS Project, Smartsheet, Primavera P6, SAP/Oracle ERP, Tableau, and Power BI to deliver clear reporting and actionable insights for stakeholders. Adept in Agile, Scrum, Waterfall, and SDLC methodologies, with a strong foundation in electrical and renewable energy systems, Lean Six Sigma practices, and construction project management that enable effective leadership and reliable execution of transformation initiatives.

SKILLS

Industrial & Project Management: Industrial Operations Management, Construction Project Management, Electrical Project Execution, Manufacturing Process Optimization, Supply Chain Coordination, Program & Portfolio Management, Project Planning & Execution, Budget Forecasting, Scheduling, Risk Assessment, Change Management, Regulatory Compliance (OSHA, ISO, ASME, NEC, HIPAA, GDPR), SDLC, Agile, Scrum, Waterfall, Risk Mitigation, Continual Improvement, Resource Allocation, Stakeholder Engagement, Vendor & Contract Management, Scope & Requirements Management, Project Lifecycle Governance, PMO Standards.

Stakeholder & Communication: Executive Reporting, Stakeholder Mapping, C-Suite Communication, Team Mentorship, Cross-Functional Collaboration, Communication Planning, Customer Focus, Conflict Resolution, Negotiation & Influence, Business Case Development, Status Reporting & Dashboards, Owner/Contractor Coordination, Subcontractor Management, Client Presentations.

Technical Skills: Electrical Systems Design, Power Distribution & Control Systems, High/Low Voltage Equipment Installation, Renewable Energy Systems (Wind & Solar), Mechanical & Electrical Systems, CAD Design (AutoCAD, SolidWorks), MATLAB, C Programming, HTML, Technical Documentation, Engineering Drawings, Prototyping, Root Cause Analysis, Lean Manufacturing, Six Sigma, Secure Development Practices.

Tools & Software: MS Project, JIRA, Trello, Asana, Confluence, MS Office Suite, SharePoint, Smartsheet, ServiceNow, ERP Systems (SAP, Oracle EBS), EVM, Google Analytics, Wrike, Monday.com, Primavera P6, ETAP (Electrical Design & Simulation), SCADA Systems, Revit (MEP).

Data & Analytics: SQL, Python, Data Analysis, Tableau, Power BI, Cloud Platforms (AWS, Azure), Statistical Process Control (SPC), Quality Assurance, Failure Mode & Effects Analysis (FMEA), DevOps Exposure, CI/CD Concepts, KPI/OKR Tracking, Predictive Analytics for Projects, Load Flow & Short Circuit Analysis, Energy Efficiency Optimization.

Security & Governance: Data Governance, Information Security Awareness, GDPR/HIPAA Familiarity, Secure Development Practices, SOX Compliance, Audit Readiness, Electrical Safety Compliance (NFPA 70E, NEC, IEC Standards).

Operating Systems: Windows, Linux, UNIX.

Soft Skills: Leadership, Communication, Adaptability, Team Collaboration, Time Management, Problem-Solving, Decision Making, Strategic Thinking, Attention to Detail, Critical Thinking, Stakeholder Relationship Building.

EXPERIENCE

Project Manager | Cisco Systems | FL, USA

Sep 2024 – Present

- Oversaw eight cross-functional teams through network and infrastructure modernization, coordinating electrical engineers and construction teams for data center upgrades, achieving 18% faster delivery while maintaining ISO audit compliance.
- Oversaw facility build-outs and cabling/electrical installations supporting Cisco's enterprise systems, ensuring alignment with OSHA, NEC, and state regulatory standards.
- Implemented structured risk assessments using Cisco's governance model and Jira dashboards, reducing escalation rates by 20% and improving visibility into both IT and construction project cycles.
- Coordinated scheduling across 20+ active IT and construction projects, balancing dependencies with SAP ERP resource planning and subcontractor timelines, improving on-time delivery from 82% to 95%.
- Negotiated vendor contracts exceeding \$25M for both technology procurement and construction services, applying scope controls and compliance checklists that presented 8% yearly savings while ensuring SOX, ISO, and safety audit readiness.
- Provided C-Suite dashboards with Tableau and Power BI, integrating real-time KPIs from SQL and project data, cutting decision-making lag from 10 days to 3 days across both IT and construction portfolios.
- Facilitated Agile sprint reviews and cross-trade coordination meetings between engineers, electricians, and IT staff, aligning milestones with business requirements and raising sprint/project completion from 76% to 91% within six months.
- Directed installation of electrical systems, HVAC integration, and construction change orders, streamlining workflows in ServiceNow and Confluence to reduce approval cycles by 35% and maintain full traceability of scope and compliance.

Project Engineer | JSW Neo Energy Ltd | Hyderabad, India

Nov 2017 – Jul 2023

- Oversaw construction of six wind and solar farms totaling 200MW capacity, managing electrical design reviews, substation construction, and contractor schedules in Primavera P6 to ensure on-time and on-budget delivery.
- Oversaw commissioning activities, including transformer testing, SCADA integration, and electrical system load balancing, while introducing predictive maintenance analytics that reduced turbine downtime by 22% and saved \$2M annually.

- Organized civil and electrical contractors during foundation works, cabling, and grid interconnection, ensuring adherence to OSHA, ISO, and state energy regulations with zero lost-time incidents over five years.
- Managed capital budgets exceeding \$40M, negotiating procurement contracts for electrical equipment, turbines, and construction materials through SAP ERP, reducing supply chain costs by 10% year-over-year.
- Led compliance and inspection reviews with regulatory boards, preparing technical documentation, electrical single-line diagrams, and safety training programs to meet ISO/OSHA audit requirements.
- Partnered with transmission authorities to resolve power evacuation challenges and substation synchronization issues, securing 100% regulatory clearance for project commissioning without delays.
- Designed preventive maintenance and electrical inspection schedules in collaboration with OEM vendors, applying FMEA and root cause analysis to cut recurring equipment failures by 18%.
- Tracked construction and commissioning milestones through EVM (Earned Value Management) and Smartsheet dashboards, enabling early detection of variances and corrective actions that kept projects consistently on track.

Project Manager | CitiusTech | Hyderabad, India

Jun 2016 – Oct 2017

- Led healthcare integration programs while also overseeing infrastructure setup for data centers and electrical backup systems, ensuring HIPAA compliance, ISO audit readiness, and uninterrupted ETL workflows processing 5M+ patient records weekly.
- Designed and reviewed electrical load distribution plans for server rooms, coordinating with facility contractors during construction phases to maintain redundancy, safety, and continuous power supply.
- Coordinated cross-functional teams of clinicians, developers, and electrical contractors through Agile sprint ceremonies tracked in Jira, aligning both system integration and infrastructure deliverables, raising client satisfaction from 3.9/5 to 4.6/5.
- Oversaw vendor installations of UPS, HVAC, and power distribution units, applying OSHA and ISO standards to reduce downtime incidents and ensure secure operations for healthcare data systems.
- Managed construction schedules and resource allocation for facility enhancements using MS Project, balancing dependencies between IT integration and on-site electrical works to deliver milestones on time.
- Distributed executive dashboards in Tableau integrating project KPIs, ETL progress, and infrastructure readiness, cutting reporting cycles by 50% and improving decision-making for both IT and construction stakeholders.

Associate Project Engineer | Hexaware Technologies | Hyderabad, India

Aug 2014 – May 2016

- Helped BFSI client projects by preparing detailed workflow diagrams, SDLC documentation, and engineering project charters, reducing audit preparation times by 20% and improving cross-team clarity.
- Automated recurring SQL reporting scripts and Python-based reconciliations while also assisting with electrical load calculation reviews for client facility expansions, eliminating 15 analyst hours monthly and ensuring compliance with both IT and facility standards.
- Arranged offshore and onsite delivery teams through MS Project schedules, balancing software release cycles and construction timelines for infrastructure upgrades, achieving 98% on-time project delivery.
- Oversaw small-scale facility retrofit projects (UPS, cabling, and panel installations), ensuring OSHA and ISO compliance, while maintaining ServiceNow logs to provide full traceability of project scope and safety checks.
- Engaged in vendor meetings for ERP system gap resolution as well as procurement of electrical components, negotiating cost-effective solutions that reduced reconciliation issues by 12% across finance and operations modules.
- Conducted root cause analysis on recurring production defects and electrical equipment failures, applying fishbone and Pareto methods to reduce incident recurrence rates by 15% across mission-critical applications and systems.
- Assisted construction project monitoring by assisting with progress reports, schedule variance tracking, and EVM dashboards, keeping both IT and on-site electrical milestones aligned with contractual deliverables.
- Delivered consolidated weekly executive status reports combining metrics from MS Project, ServiceNow, and Oracle ERP with facility progress updates, improving stakeholder visibility and accelerating decision-making by 25%.

Associate Engineer | Hexaware Technologies | Hyderabad, India

May 2013 – Jul 2014

- Executed 300+ manual and automated test cases per release cycle using SQL queries and Selenium scripts, while also assisting in testing electrical control systems and power distribution panels for client infrastructure projects, ensuring zero major defects across IT and facility deployments.
- Collaborated with senior engineers in performing RCA on recurring incidents using Pareto charts and fishbone diagrams, and applied similar techniques to diagnose electrical faults in UPS and cabling systems, reducing both IT ticket recurrence and facility-related downtime by 17%.
- Documented technical specifications, electrical drawings, and process flowcharts in MS Word and Visio to support smooth communication between IT, engineering, and construction teams, reducing rework during handoffs by 15%.
- Aided ERP workflows in Oracle EBS by preparing reconciliation test scripts, and assisted in construction project scheduling and resource tracking, ensuring compliance with quarterly audits and alignment with on-site delivery milestones.
- Managed with facility vendors on installation of electrical equipment, safety compliance checks, and procurement of cabling systems, ensuring OSHA/ISO standards were consistently met across construction-related tasks.
- Awarded “Best Team Contributor” in 2014 for consistent delivery support across IT and construction project handovers, ensuring seamless knowledge transfer between onsite and offshore teams without delays.

EDUCATION

Master of Science (M.S.), Engineering Management
Florida Institute of Technology – Melbourne, FL, USA

May 2025