



P ROFILE

Technically competent Electrical Engineer offering comprehensive experience of over 17 years in Project Management, Installation, Commissioning, Operations & Maintenance, Safety & Quality Management, Energy Conservation, PLC / SCADA Programming & Manpower Supervision. Currently spearheading as a Manager (Electrical) at Ameri, Source Specialty Products, Pittsburgh.

Key strengths include:

Proven expertise in planning, designing and scheduling instrumentation projects including judicious deployment of resources to achieve project completion within agreed time and cost parameters. Adept at Engineering, PLC Operations / Programming & SCADA for Process Automation.

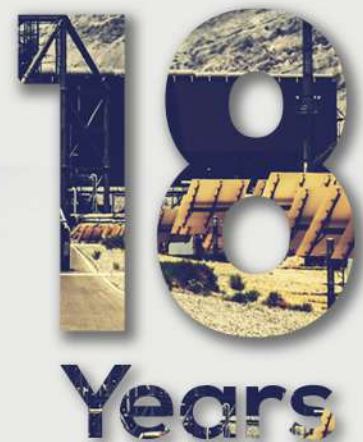
Vast exposure to commissioning of Cold Rolling Mills as well as working with various equipment's & utilities including SCADA (Siemens, Wonderware, AB, FANUC), PLC (Siemens, ABB, GE FANUC, L&T, AB Make) AC Drives (ABB, Siemens, Eurotherm, Advantech make), Digital DC Drives (ABB, Siemens, Control Technique, L&T make) and L&T make Analogue DC Drives.

Understanding of all aspects governing operational activities and knowledge on latest technological advancements, regulations / guidelines and statutory compliances in the industry.

Implementing preventive / predictive maintenance and evolving quick breakdown solutions through systematic fault diagnosis.

Machines / Equipment's: H&T furnaces from EBNER and ALLIED (04 no's) | Grinding m/c from BRUER (Austria) | Edge rounding line (LEXUS Austria) | Finishing lines (around 17 lines), E.O.T cranes (make -WMI) and transfer trolleys | Bell annealing of EBNER (14 base) | CRS & CTL lines (hollow block) | 4HI mills (F.P.E) & 2HI mill | PLC (Siemens) | A/C D/C drives (Siemens, Allen Bradely, ABB, Eurotherm, LG electric)

Adept in conducting Safety Inspections to observe the physical conditions of work & work practices; adequate understanding in the areas of Work Permit System, HAZOP Study, Quality Management System & Occupational Health & Safety Assessment etc.



ROBERT WARREN

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Project Management
Operations & Maintenance
Erection & Commissioning
Electrical Engineering

Skills & Portfolio

STRATEGY & VISION

- Strategic Planning
- Project Life Cycle
- Process Enhancement
- Operation & Maintenance Management

BUSINESS PROCESS

- Site Management
- Installation & Commissioning
- IBA Systems Erection
- Mill Upgradation
- SCADA / PLC Writing
- Contract Management
- Quality Assurance Work Procedures
- HMI Design
- Energy Conservation Modifications
- HSE & Compliance
- Vendor Management
- Spares / Inventory Management
- Root Cause Analysis
- Risk Assessment
- Training & Development
- Continuous Improvement
- MIS & Documentation

RELATIONSHIP SKILLS

- Team Management
- Resource Optimization
- Budget Management
- Cost Rationalization
- Client Relationship
- Leadership & Analytical Skills

Areas of Critical Impact

Project Management & Delivery

- Manage the complete project cycle including need assessment, preparing project blueprints, strategic management & delivering quality technical / business solutions.
- Involved in the entire gamut of project activities from scope management, planning, execution, monitoring, timeline, budget planning, ensuring regulatory compliance, coordinating with suppliers / vendors and approving / validating delivery services.
- Defining project scope, drawing cost estimates, finalizing technical parameters, mobilizing and managing manpower, machines and materials resources to accomplish projects within agreed cost / timelines.
- Executing need assessment, business process understanding, requirement mapping, bridging gaps between business & user requirements, conducting impact analysis, coordinating with engineers, designers, contractors, suppliers & final execution / documentation.
- Worked with CDMG and successfully completed the task of retrofitting the antiquated electrical components to allow for modern electrical system upgrade to support several process line installations.
- Implementing cost-saving measures & modifications to achieve substantial reduction in terms of man-days, production cost, raw material & energy consumption.
- Process oriented with proven abilities in preparing a technology road map having a clear framework for various processes to be implemented competent in engaging with the clients' partners, third party advisors & vendor teams to develop appropriate metrics.
- Participate in the review meetings, supporting the customers on key issues and implementing applications.
- Ensuring adherence to safety standards in all functional areas and implementing measures for enhancing safety levels.

Work Experience

Since January 2019

Manager – Electrical | Ameri, Source Specialty Products, Pittsburgh



BHUSHAN

June 2004 – December 2019

Deputy Manager, NCRM-Electrical | Tata Steel (formerly Bhushan Steel Ltd.)



PLC / SCADA Programming

Diligently handling Logic PLC Programming and implementing PLC, software and hardware solutions for any machine shortcomings and with respect to interlocks, new functionality and communication between lines for greater safety, efficiency and production requirement.

Maintaining PLC, Electronic Controllers, Recorders, Transducers, Utilities, Press, mill, VCB, ACB, MPCB, MCCB, MCB, Pneumatic Controllers, Control Valves, Diaphragm Valve, Solenoids etc.

Carrying out the automation of the process / system to improve quality and reduce manpower.

Developed ladder logic & Commissioning for controlling the process. Expertise in simulation of SCADA and Ladder logic on emulator.

Final commissioning of project on-site including Loop checking, Feeder operations, safety interlocks and alarms checking, PID tuning and complete Auto and manual logic checking as per logic flow chart given by the customer.

Adapting standard PLC code based on department standards. Responsible for Documenting PLC code.

Operations & Maintenance

Entrusted with overall responsibility for the entire electrical maintenance of the unit.

Implementing preventive, planned and predictive maintenance to maximize operational availability of equipment's with zero accident concepts.

Periodically conducting condition monitoring of equipment's and initiating advance maintenance action to avert any major breakdown.

Carrying out root cause analysis of failures and evolving quick breakdown solutions.

Systematically keeping maintenance records of machines and effectively using them as references to resolve maintenance issues.

Analyzing consumption patterns of spares to define logical inventory levels of critical spares to address maintenance calls.

Resource Optimization

Manage multi-cultural, high-performance work teams and development groups in the execution of multiple projects, including managing resources across multiple projects in offshore / onshore locations.

Lead, guide and train XX+ teams and impart knowledge on specifications, technical knowledge and latest technological advancements in the industry to keep them updated and motivated.

Academics

2008: Bachelor of Technology in Electrical Engineering from R.V.D.U., Rajasthan University

2003: Diploma in Electrical Engineering from K.P.K, Khopoli, M.S.B.T.E.

Certifications: MS-CIT | NFPA 70 E | R.S.O by BARC | Lead Internal Auditor of OHSAS 18001, 9001, 14001 | Energy Manager by BEE

Trainings Imparted: 27 training seminars on FEMA and RCFA | Trained 1k+ employees on Earthing (as a part of 10-safety standard by Tata Steel)

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