1. Prepared technical documentation for operation, troubleshooting and maintenance of industrial systems.
2. Determined most effective approaches to new projects by reading and analyzing blueprints, drawings and sketches.
3. Created electrical schematics using AutoCAD Electrical Toolset.
4. Created, aligned and optimized electrical instrumentation and testing equipment.
5. Coordinated with vendors to identify and procure appropriate equipment necessary for project completion.
6. Identified specific cables, connectors, fuses, circuit breakers and other electrical devices required for installation of monitoring systems and weapons detection systems.
7. Communicated with engineers and customers to discuss potential and existing engineering projects.
8. Designed multi-agent system for organization in [Type] industry.
9. Performed in-depth electrical acceptance testing of completed hardware, including continuity and high-potential isolation testing.
10. Rendered technical drawings and electrical systems specifications exceeding company standards.
11. Spearheaded tendering and negotiation process for critical products and services to reduce costs and allow early contractor involvement.
12. Implemented and approved design control procedures for electrical development in accordance with regulatory guidelines.
13. Demonstrated role of neural networks in self-healing power distribution grids through thesis research.
14. Conducted projects and performance presentations to clients and company executives.
15. Monitored installation and operations to consistently meet rigorous customer requirements.
16. Conducted field surveys and studied maps and diagrams to identify and correct power system problems, including [Type] and [Type] problems.
17. Monitored manufacturing operations of electrical devices for compliance with safety protocols.
18. Prepared budgets by estimating materials, labor and construction costs.
19. Collaborated successfully with cross-functional development teams to design and manufacture new [Type] products.
20. Evaluated installed electrical equipment and systems to isolate faults and implement corrective actions.