

STEVEN MOSBEY

Performance-driven decision maker with many years experience directing technical groups to leveraging strategic decision-making with leadership skills in team building, staff development, innovations, Electrical Engineering, Project Management, Personnel Management, and design manufacturing. Effectively communicates complex information to diverse audiences. Holds a BSEE, an MBA in Technology Management, Six Sigma Green Belt and renowned for Core Competencies.

CORE COMPETENCIES

Engineering Management	Electrical Engineering	Personnel Management
Project Management	Business Acumen	Financial P/L Responsibility
Plant/Project Scheduling	Team Development	Lean Manufacturing

EXPERIENCE

KAISER ALUMINUM FABRICATED PRODUCTS: ELECTRICAL PROJECT ENGINEER 2008 - 2008

Delivered projects for plant usage in products forging area, established projects for future business needs, assisted others in forming services areas. Apply lean principles to business projects and assisted others in departments, casting, forging, rolling, annealing, and heat treat to achieve goals of organization.

RCS CORPORATION – SRS: (CONTRACT) SR. ELECTRICAL DESIGN ENGINEER 2008 - 2008

Lead Design Engineers to accomplish designs of nuclear process machinery for future MOX fuel. Establish and manage budget of projects, check design requirements to ensure all Electrical codes are meet: NEC, IEEE, NCR and build requirements. Mentored and developed young engineers in the aspects of design principle, SCADA, and budget forecasting on \$5M projects. Develop, review engineering changes and provide input as to cost (design man-hours) and schedule impacts. Delivered complete and accurate detailed design drawings by using completed single line drawings for equipment specifications, power systems and related equipment sizing. Results:

- Review procedures of junior engineers mentoring program to ensure knowledge is distributed to others. **Result: Efficient designs and advanced schedules by 10%.**
- Forecast and budget new projects for next fuel generation. **Results: Achieved Goals and supplied services.**
- Delivered designs on schedule and under budget. **Results: Increased department deliverables by 2%.**

GENERAL MOTORS - SATURN, SPRING HILL MANUFACTURING: ENGINEERING/MAINTENANCE MANAGER
2000-2007

Influenced subordinate employee's on plans to improve manufacturing operations in fabrication plant. Directed, managed, and empowered strategies for manufacturing activities of Engineering department and maintenance department. Developed and initiated methodologies and evaluation tools to assist employees, raise supply chain awareness, and increase responsiveness while conforming to organization's established policies and objectives. Results:

- **Saved \$360,000 by directing engineering and technical teams** to reduce manufacturing downtime, assembly methods, remakes, and eliminate bottlenecks.
- **Reduced errors by 15% (3 sigma) in products** by directing and monitored engineering in 5S and 5Y processes at the site.
- **Improved department's budget by 10% (\$50,000) in reducing costs**, forecasting product needs, and increasing product quality by applying standardization and 5s principles.
- **Achieved corporate safety goals by 5%** in directing safety programs for technical teams and department while monitoring documents for compliance for OSHA and NEC Safety Standards.
- **Resolved production issues saving \$300,000 in direct-run costs** by directing principles and techniques to utilize new engineering technologies and innovations

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GENERAL MOTORS - SATURN, SPRING HILL MANUFACTURING – CONT'D: PROJECT MANAGER: ELECTRICAL
1996 - 2000

Managed complete project design, builds and installations of capital equipment in fabrication shop at three OEM facilities. Set practical OEM target schedules at vendor sites and monitored project costs against timeline. Established common designs principles for three model changes over \$3.5M of capital equipment. Managed the transfer of new products from development stages to manufacturing area.

- **Saved \$600,000** by directing improvements **on three new model launched** programs, resulting in reducing start-up time for new product launches.
- **Save \$200,000 of total project costs** by negotiating and coordinating with OEM to identifying and managing critical paths activities on products while modifying project timeline to **deliver projects 12 weeks ahead of original schedule.**
- **Accomplished savings of \$200,000 while responsible for finances** on plant projects over three years.
- **Achieved savings of \$400,000 in engineering costs** by standardizing control theory across a three-year product program.
- Responsible for all construction activates at the plant for new product equipment and development.

GENERAL MOTORS: Manufacturing Engineer / Controls Engineer 1990 - 1995

Designed, developed, tested electrical components, equipment, and machinery. Designed distributive power and control systems. Responsible for logic controller programs for equipment. Worked with embedded controls, EPROMS, and solid state electronics. Directed the work of technical personnel.

- **Developed equipment** to aid in the manufacturing process while increasing profits.
- **Lead pressroom Electrical Controls Engineer**, responsible for all engineering and maintenance activities for 22 metal stamping lines (**105 Presses and 4 transfer presses**).
- Managed repair of electrical equipment, computer network issues, layout of equipment, workflow, assembly methods, and union workforce utilization.
- **Designed and developed 600v systems** and distributive controls for machinery.
- **Developed initial ARC flash estimates for substation** (13.8kva – 600va) and power transformer yard (13.8 – 6500kv) scheduled maintenance.
- **Increased electrical and mechanical efficiencies in tooling and robots** by applying principles and techniques to utilize new technologies and innovations to resolve production issues.
- **Designed new equipment for manufacturing** and all wiring methods for plant & facilities.

PROFESSIONAL DEVELOPMENT

Synchronous Manufacturing / Quality Network	Method for Management of Quality and Productivity
Lean Manufacturing Practices	Ergonomics for Engineers
Covey for Successful People	Six-Sigma Green Belt Certification (2007)
Master Electrician License	

EDUCATION

M.B.A. – Technology Management, University of Phoenix, Nashville, TN
B.S. – Electrical Engineering, University of Texas, Arlington, TX

