

MAURICE L. SHAW MBA | PROJECT MANAGEMENT
SR. INDUSTRIAL ENGINEER
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I am an experienced **Engineering professional** who has demonstrated the ability to mold solutions for Operations and Manufacturing Life Cycles. With degrees in Industrial Engineering and an MBA with a Project Management concentration, I have strong technical and business qualifications. I possess a strong track record of more than 16 years of hands-on experience working as Industrial Engineer, Continuous Improvement Engineer, & Supervisor of a 24person Materials and Logistics Team. I am team oriented and understand the value in training, and growing skills & know-how within a team for the overall strengthening the company. I have spearheaded multiple Lean Manufacturing Value Stream Mapping events, Project Management Implementations, of which, I have managed multimillion dollar projects, while training and motivating team members to find opportunities for improvements. My goal is to use my skills, experience, and motivated approach to business to work with a team and help strengthen the future of the company. Thank you for the opportunity.

PROFESSIONAL EXPERIENCE

UTC TECHNOLOGIES (CARRIER/CARLYLE DIVISION), Stone Mountain, Georgia

March of 2011 – Present

Engineering Professional – Industrial Engineering & Lean Manufacturing

My primary areas of responsibility include effectively supporting production to ensure that customer requirements are met efficiently. Managing the standard work documentation system for the facility, making certain documentation is current. Ensuring all drawings is complete per project deadlines. I manage the completion of labor routings to systematically support the finance team & ERP inputs. I lead Lean Manufacturing Events for my department focusing on productivity & lean transformation improvements for the factory. I train and supervise the technical writers & engineering interns in lean manufacturing, and manage the progress of their projects. I am responsible for the manufacturing process and parts flow for all new model implementations.

I Manage the Materials & logistics team 24direct reports (Core Receiving, Receiving, Warehouse, & Shipping)

I am responsible for the short-term and long-term performance of the materials & logistics department. My primary areas of responsibility are inventory accuracy, developing staff, and prepping the facility for line back logistics for future logistics transformation.

RECENT ACCOMPLISHMENTS

- Implemented a 1.5million dollar compressor remanufacturing disassembly line that yields and annual 600k savings per year
- I co-lead the Value Stream Map to increase the productivity of the remanufacturing assembly line were we balanced and reduced waste out of the line reducing head count by 3FTE's.
- Redesigned Stator Shop motor assembly with improvements: reducing the foot print by 50%, -200ft of conveyor, & -2FTE's.
- Completed mix model VSM for the G & K product line. Reduced the head count on the line by three operators, while at the same time increasing through put and productivity.
- Conducted VSM for materials where we reduced the floor stock of material on line by 30%. Implemented 1piece flow scenarios over the facility and making the parts flow processes common for assembly increasing line productivity.
- I lead the VSM for the D & E Product line, were we were able to combine both product lines while cutting the overall head count on the line down two operators. We also increase the through put of the line, and created space for a new product line.
- I lead a Cell Design where we combined all D/E&M Product and equipment on one line improving quality and productivity.
- Designed a poke yoke tool that helped eliminate escapes to the customer. (reed dispenser separation tool)

KUBOTA MANUFACTURING OF AMERICA, Gainesville, Georgia

July of 2005 – March 2011

Industrial Engineer – Manufacturing Operations and Process Management

Being the facility Industrial Engineer my duties included, leading projects on the Rough Terrain Vehicle assembly line. I operated as a classical Industrial Engineer, of which, I engineered solutions that balanced man power requirements and capacities between logistics, production planning, and manufacturing. I implemented solutions that prepared the facility for new model implementations. I Lead projects that identified issues within the manufacturing operation using low cost and complex solutions. Listed below are examples of some successes:

- I implemented three new major production models, of which, I provided solutions for assembly jigs, manpower capacities, process flow, product flow, and operational management of the company's overall manufacturing process. (*Time Studies, & Process Value Stream Mapping & Management*)
- I created the logistics plan for the parts flow process resulting in a 30% manpower reduction and a 15% equipment reduction by creatively finding a solution to move parts with automated guided vehicles. The cost for the project was an initial \$200,000 investment; however, solution resulted in a 3.3million dollar savings over 3years.

- I help design a SharePoint System to data mine data from a variety of internal data sources in the facility. The system helped us understand the company's manufacturing capacities in various areas. The system also helped us reduce time when completing objectives, setting priorities for projects.
- I was Special Projects Engineer for a Greenfield project. During this time help install a new assembly line and relocated the RTV assembly line to the new building. I developed solutions, plans, and facilitated the move of the entire RTV assembly line myself.
- Collaborated with a building renewal team that successfully designed a new building floor plan, of which, I was the drafter. I also created a complete automated lean manufacturing Value Stream for the current multimillion dollar facility that supports the now and future Kubota Utility Vehicle product line.
- I successfully oversaw the start-up and development of the Kubota Assembly Line, Paint System, and Automated Guided Vehicle System that improved production's capacity by more than 50%.
- Spearheaded the successful acquisition and installation of a Line-X Cargo Bed Booth for the Kubota Special Addition Utility Vehicle resulting in a proven process of which exceeded the capacity by 50% for manufacturing the new bed liner for the Utility Vehicle.
- Engineered an on-going future business plan in the building II facility to increase production numbers by 50% while identifying and forecasting difficult institutional and strategic conditions from company data and a developed a matrix.
- Developed a Downtime Report System that tracks companywide downtime and issues in real time. The development of the DTR system helped increase production efficiency and replace a 25million dollar system that was to be acquisitioned. My system was developed using current company technology cost only a fraction of the previously desired system.

ELECTROLUX HOME PRODUCTS, Orangeburg, South Carolina

Industrial Engineer - Manufacturing Engineering (May of 2004 - July of 2005)

Responsibilities included:

- The High Volume Manufacturing of *Automotive* style manufacturing of outdoor lawn products such as tractors and tillers, Maintaining work instruction, working to maintain balance with assembly & subassembly while updating ISO 9000-9001.
- The Engineering support for production included Improving productivity by: improving quality & safety, Reducing bottlenecks and waist from the assembly, Committing to Project Management by: consulting vendors and coordinating project implementations, improving material handling, multitasking through various projects by maintaining Industrial/Manufacturing/Quality Engineering duties.

UNITED PARCEL SERVICES, Columbia, South Carolina

Industrial Engineering Management Trainee (2002-2004)

Responsibilities included

- Identifying opportunities for process and productivity Improvement, *Engineering* spreadsheet solution models, Identifying trends to eliminate bottlenecks and improve the flow process.
- Sustaining new methods and procedures by using forecasting models and procedure optimization techniques, Providing Time Studies to support justification for needed equipment and to eliminate waste, Providing Time Studies to reduce operating time, Updating procedures and methodologies, convincing key decision makers of my improvement ideas, and developing-operating budget plans.

Training & Skills:

ACE Associate Training (Achieving Competitive Excellence) · Process Flow Map Development · KAIZEN and 5s Training (Lean Manufacturing) · TPS Training (Toyota Production System) Product Development · Training and Teambuilding · Microsoft- Excel, Word, PowerPoint, and Access · Process Flow Charts · Auto CAD 2013 3D Auto CAD Inventor · FMEA's P&D (Process failure mode & analysis) · Domestic and Global Project Analysis · SWOT Analysis Business Development · Relationship Management · Project Management · Multi-Million Dollar Project budgeting

EDUCATION

Masters of Business Administration, Concentration in Project Management (2008)

AMERICAN INTERCONTINENTAL UNIVERSITY, Atlanta, Georgia

Bachelor of Industrial Engineering Technology, (2004)

SOUTH CAROLINA STATE UNIVERSITY, Orangeburg, South Carolina