**Paul M. Jagdeo**

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A professional Project Manager/Engineer position with challenging opportunities.

**Executive Summary:**

Managed both large and small capital projects since 1981, with such companies as DuPont, Kellogg’s, Scotts Miracle Grow, Ralston Foods, SSOE and GSK. Extensive project management repertoire both at a plant site and a corporate level working with Corporate, Plant engineers and consultants. Collaborated with plant management and corporate personnel to develop capital plans for implementation.

Engineering Project Engineer/Manager – Environmental Coordinator

* Managed capital projects from inception to completion. Performed feasibility studies to justify the capital investment, write capital appropriation request, equipment specifications, purchase, install and start-up the equipment. Including validation, PQ, OQ, and Commissioning.
* Extensive experience with high speed packaging equipment, from filling to unitizing. Robotic palletizing and AGV’s. Oversee all types of programming platforms, AB, Siemens, Control Logix also CAD drawings and layouts.
* Integrated all types of equipment into a packaging line. Work with equipment suppliers and control engineers to properly interface the communication for smooth operation. Sequential startup and shut down of equipment.
* Identify deficiencies in the operating environment and generate economic solutions by performing time studies. Cognex and Keyence visions systems to enhance traceability and serialization.
* Identify root cause utilizing the nine step CI (continuous improvement), 5S and Kaizen processes and implement viable solutions.
* Automat manual operations to reduce injury and eliminate repetitive operations creating a more ergonomic environment. Install robotic equipment that can perform tasks that would operate in the most efficient manner.
* Manage Consultants, Contractors and Plant Associates which can be at one or multiple plants in the Plastics, Food and Chemical Industries.
* Familiarity with waste water treatment, FDA and EPA regulations. Installed waste water treatment plant and work with consultants to secure permits for new and existing equipment. Prepare documentation to acquire a Synthetic Minor permit and VOC reporting.
* Effectively communicate with team members, management, manufacturing associates, consultants and contractors during the design, procurement, installation and start-up.
* Manage resources to meet project objectives with respect to Cost, Schedule and Performance.
* Reduced waste going to landfill to satisfy sustainability requirements, collaborated for Applicability Determination of Green House gases.
* Resolve conflicts that impacted the project completion as well as personnel.
* Evaluated food distribution for product and additives to address challenging requirements for individual packages.

**Education:**

Bachelor’s Degree in Mechanical Engineering B.E. (M.E.) City College of the City University of New York

**Professional Experience:**

**2017 – present GSK (Glaxo Smith Kline)**

 **Project Manager/Engineer**

* Manage capital projects
* Work with Validation engineer to execute IQ, OQ, PQ, commissioning, validation of equipment
* Research vision systems such as Cognex and Keyence for traceability and serialization.
* Review present operations in safety, operations and facilities to identify where process improvements can be made.
* Prepare project cost, schedule and performance to implement projects.
* Work with Site management to identify and justify capital expenditures.
* Make sure all projects meet the sites safety, environmental and local guidelines.
* Work with local or out of state consultants, contractors and design groups to prepare specifications and drawings necessary to execute projects.

**2015 – 2017 Own Business**

**2013 – 2015 SSOE Group – Contract Consultant - Toledo, Ohio**

 **Engineering Capital Plan Manager**

* On contract for the Kellogg Company in Memphis, TN
* Executed the Capital Plan with direction from local and corporate management and engineering personnel
* Performed feasibility studies, identify capital projects, prepare capital appropriations for capital funds, complete design, purchase equipment, select contractors and implement project at the plant site.
* Projects were process, packaging and facilities. Secure engineering consultants, equipment vendors and local contractors to accomplish these projects on schedule, budget and performed as designed.
* Review present operations for improvements with better operating procedures, automatic equipment – robotics where applicable, and improved maintenance of the equipment.
* Perform time studies to identify the bottlenecks on packaging lines to improve line efficiencies.

**2001 – 2013 Ralston Foods - Lancaster, Ohio**

**Packaging Process Engineer/Manager – Environmental Coordinator**

* Manage consultants to prepare and secure a Synthetic Minor permit, regulate VOC’s (Volatile Organic Compounds), and report air emissions.
* Installed a water treatment facility to comply with the City’s requirements for BOD (Biological Oxygen Demand), SS (Suspended Solids) O & G (Oil and Grease) and pH. Reduced surcharges by 75%.
* Monitor and prepare report for the EPA to report requirements for Form R, 313 chemicals, deviation reports and permits for the installation or removal of equipment.
* Prepare feasibility studies that translate into capital project. Prepare the cost, schedule and performance for these capital projects, as well as oversee contractors and engineering design for implementation. Installed a new state of the art packaging line that generates over $700K savings/yr. Presently working on a capital project that will generate over $800K/year, installing new, rebuilding and relocating old equipment.
* Perform time studies to establish base line efficiencies and through continuous improvement implement solutions after root cause have been identified. Improvement in product over pack from over 1 1/5% to .6%, generating over $300K/yr.
* Establish training procedures and standard operating procedures to enhance line changes and improve efficiencies.
* Review maintenance records and equipment failures to establish preventative maintenance programs and minimize costs due to breakdowns and process downtime.

**1996 - 2001 The Scotts Company - Marysville, Ohio**

**Packaging Project Engineer/Manager**

* Corporate Packaging Project Engineer/Manager - prepared capital appropriations for project, establish design criteria, worked with consultants to prepare design packages, bid packages.
* Write equipment specifications, purchase equipment, install equipment, start-up and train plant associates. Managed Schedule, Cost and Validate performance.
* Automated packaging of potting soil in PTC (press to close) and Zipper bags at 10 plants. Labor reduction of 2 people per line, cost saving of $80K/yr.
* Automated manual palletizing operation of mulch, bark and other products at 25 plants. Labor reduction of 3 people per line, cost saving of $120K/line-yr.
* Converted paper bagging equipment to plastic, a total of 8 lines, select, procure, install and start-up equipment. Capital investment of $6M, labor savings of $1.5K/yr. Improved efficiency by 34-40% and quality by reducing waste by 95%.
* Responsible for a green field packaging expansion of $15MM for the additional production of fertilizer.

**1993 - 1996 Auto Repair Business - Battle Creek, MI Owned and Operated**

* Managed three (3) Franchise locations. Responsible for all aspect of the business, advertising, budgets, employees and customers.

**1986 - 1993 Kellogg's - Battle Creek, MI**

**Packaging Project Engineer**

* Corporate Packaging Engineer - performed time studies, identified deficiencies, and make recommendations.
* Write specifications, evaluate equipment, establish operating criteria, managed consultants, contractors and plant personnel during the design and installation phases of the project.
* Automate Premium Insertion Process - reduced labor by 2 people per line and improved overall efficiency by 10-15%, cost savings approximately $100K/line-year.
* Automated Tamper Evident Packaging to satisfy FDA requirements. Reduced labor by 1 person per line and improved overall line efficiency by 20%, cost savings of approximately $50K/line-yr.
* Install high speed packaging equipment in the ready to eat cereal plants, reduced labor by 2 people per line, improved overall line productivity by 25%, cost savings approximately $150K/line-yr.
* Implement preventative maintenance programs that resulted in line productivity of 5%.
* Identified inherent problems that caused low productivity and implement quality controls that boosted overall line efficiency by 10-15%.
* Developed quality assurance programs to prevent product contamination. Improved product shelf life and product quality.
* Automate product identification equipment to satisfy FDA requirements for product expiration date to ensure better product quality.
* Automate application of instant redeemable coupons. Reduced labor by 1-2 people per line. Cost savings of $100K/line-yr.

**1981 - 1986 DuPont - Orange, Texas**

**Plant Packaging Engineer**

* Manage the day to day operations of the packaging facility. Look for improvements, prepared budget for the repairs or new equipment. Solicit funds for the project. Identified equipment, write specifications, purchase equipment and managed contractors for the installation.
* Chaired a process hazard review committee to satisfy OSHA requirements. Reviewed all processes to ensure proper safety requirements were met or implemented programs to make sure safety deficiencies are carried out.
* Implemented SPC (Statical Process Control) to improve product quality and line efficiency. This identified key areas that needed attention.
* Automated palletizing of shrink-wrap unitized loads. Eliminated outdate equipment, reduced utilities and generated a cost savings of $200K/yr.
* Implemented a program to effectively recycle waste product by developing a procedure to reduce product flammability over a period and still maintain employee safety. Cost savings of $300M/yr.
* Implemented a project to use generic boxes, reducing overall material inventory. Cost savings of $50M/yr.

**Self Development:**

Business Writing, Public Speaking, Project Management, Conflict Management & Confrontational Skills, Manufacturing Facility Layout and Design, Managing Multiple Projects, Budgeting and Accounting, Environmental Compliance, Flavor Training and other pertinent classes.

Accomplishments:

* Instituted a procedure to manage hazardous material generated from inks and solvents at 25-30 plants. Recommended equipment that will eliminate the use of inks and solvents. This is accordance with local and Federal regulations.
* Study the generation and containment of dust in the operating environment; recommend equipment that would satisfy the local and federal regulations.
* Automated packaging of potting soil in PTC (press to close) and Zipper bags at 10 plants. Labor reduction of 2 people per line, cost saving of $80K/yr.
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* Installed a chilled water system to cool silos to prevent product blocking. This replaced a costly and high maintenance refrigerant system that requires constant mechanical assistance. Improved product quality and provided a cost saving of $250K/yr.
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