

Reliability & Continuous Improvement Manager ----- 04/11 – 08/23

Fitesa (Non-Wovens Industry)

Simpsonville, South Carolina Leaving Reason – Position Elimination

Key Responsibilities and Accomplishments: -

- Utilizing reliability and maintenance best practices, improved machine uptime from 65% to 95% within 12 months
- Personally trained all maintenance technicians in the use and practice of P-M Analysis advance problem solving
- Coordinator on project team for the PFMEA, validation, verification of the DQ IQ OQ PQ of a \$85M capital project
- Developed vibration analysis, lubricant analysis, infrared inspections, non-destructive testing condition monitoring
- Tracked and prioritized top five reliability issues by properly categorizing downtime events for root cause analysis
- Instigated standardized work procedures for extruders gaining a 300% increase in MTBF from 12 days to 47 days
- Developed and implemented a 30/60/90 day's onboarding process to bring new recruits up to speed in less time
- Institutionalized a reliability road map by composing and a comprehensive maintenance department policy plan
- Revamped the spare parts room, installing a bar code tracking system increasing inventory accuracy of > 97%
- Facilitated a FRACAS Kaizen event, which identified over \$20,000 a year cost reduction in expendable tooling use

Continuous Improvement Specialist ----- 01/10 – 04/11

Wells Dairy Enterprises (Food Industry)

LaMars, Iowa Leaving Reason – Career Advancement

Key Responsibilities and Accomplishments: -

- Designed full three factorial four level eighty-one run experiment saving over \$500,000 in lost stated inventory value
- Conducted measurement system analysis, which lowered gauge repeatability and reproducibility from 78% to 12%
- Coordinated incorporation plan that grew production efficiency from 30% to greater than 70% in less than 9 months
- Learned Dupont STOP program, help implement behavior based STOP program conducting observations audits
- Identified \$28,000 savings by leading a Kaizen event that implemented a reduction in processing of new documents
- Taught myself to a level of conversant user with both MiniTAB and Watson Analytics data statistical software
- Completed 24 hours training course in Cause Mapping. I later went on to conduct 2 Cause Mapping events myself
- Standardized all data collection forms and work documents into a formalized electronic controlled formatted library
- Led the effort to develop, write, verify, train and qualify front line employees in 50 standard operating procedures
- Used Six Sigma tools to analyze and develop a project to understand inventory shrink losses in understated value

Lean Process Engineer ----- 04/07 – 01/09

Fabri-Kal (Plastics Industry)

Greenville, South Carolina Leaving Reason – Position Elimination

Key Responsibilities and Accomplishments: -

- Led Total Productive Maintenance Kaizen event resulting in a sustained uptime improvement of 40% over 2 years
- Ran 5S training workshop on floor space utilization resulting in making over 10,000 sq. ft. of value-added floor space
- Coached middle management and supervisors in lean methodological practices and philosophies in lean thinking
- Trained team leaders in molding setup reduction with 60% improvement on 14 molding presses and 160 molds
- Created over 100 part operations to prevent escapes to the customer cutting external DPM by 50% - 500 to 250
- Trained 28 production associates on 5 Whys problem solving to correct 6 major losses in production processes
- I Trained employees on Right to Know, MSDA books, trained in First Aid and First Responder and Train the Trainer
- Constructed skills gap assessment to review skills of workers to understand needs for training and development
- Implemented work order program to establish a base line and future tracking of maintenance work order backlog

Lean Project Manager ----- 04/05 – 05/06

Stankiewicz (Automotive Industry)

Spartanburg, South Carolina Leaving Reason – Position Elimination

Key Responsibilities and Accomplishments: -

- Provided lean guidance to tier 1 automotive supplier Manufacturing, Manufacturing, Engineering and Quality teams
- Supervised Single Minute Exchange of Dies workshop, which followed in a changeover, setups deduction of 33%
- Led Total Productive Maintenance Kaizen event, which directly resulted in a sustained uptime improvement of 25%
- Championed kaizen workshops to map out current and future states to link and optimize processes with operations
- Ran 8, 5S training workshops, 3, Kaizen events 2, product value stream mapping sessions and 1, TPM Kaizen event
- Executed change in inventory strategy to reduce overlap inventory of items used in multiple places throughout facility

- Worked as a mentor and resource for the maintenance team in the mitigation and prevention of equipment failures
- Assessed and organized small 'go-do-it' improvement projects to optimize information, material and work flows
- I conceived a suggestion system called SIP, one of the suggestions netted an internal scrap loss reduction of 50%
- Launched the concepts of 'Poke Yoke' mistake proofing after a major loss in chemical cross contamination event

Maintenance Manager ----- 01/99 – 04/05

Alfmeier (Automotive Industry)

Greenville, South Carolina Leaving Reason – Career Advancement

Key Responsibilities and Accomplishments: -

- Spearheaded company Total Productive Maintenance. This initiative reduced equipment downtime from 10% to 2%
- Enacted a maintenance backlog tracking system cutting 8 weeks out from the scheduled and unscheduled backlog
- Managed annual maintenance budget of \$1.4M to understand where improvements can be made to control costs
- Utilized Reliability Centered Maintenance principles to reduce downtime and improve maintenance effectiveness
- Introduced the step-by-step process of how to evolve an equipment PM, CPM, Pdm, CPdm and work order system
- Facilitated a Kaizen event, which identified \$40,000 improvement in operator utilization by rebalancing work tasks
- Transitioned maintenance department from strictly reactive maintenance to a more proactive maintenance strategy
- Developed and implemented an elementary testing process to 'weed out' only in the best technical job candidates
- Instigated planned scheduled executed and attained maintenance compliance training to Arch Flash NFPA-70E
- Managed in to action several small and medium scoped projects and budgets for facility and engineering projects

Production Maintenance Technician ----- 09/97 – 11/98

Robert Bosch (Automotive Industry)

Anderson, South Carolina Leaving Reason – Career Advancement

Key Responsibilities and Accomplishments: -

- Engineered several machinery upgrades, which improved the overall equipment effectiveness from 70% to 90%
- Self-actualized many quality control improvement that affected the defects per million improving it from 176 to 11
- Developed quality source inspection processes to enable the decrease in scrap and rework from >8% to <3%
- Performed engineering checkouts and system walk downs as part of start-up, shutdown operations procedures
- Managed and implemented changes to maintenance calibration programs to maintain ISO 9000 compliance
- Active member for quality department while maintaining responsibilities for the manufacturing engineering team
- Coached and counselled other technicians in knowledge based 'know-hows' using maintenance best practices
- Resolved electrical and PLC software problems using Allen-Bradley SLC500 and Siemens S5 Software packages
- Worked collaboratively with inside and outside application and OEM engineers to rectify equipment loss problems
- Tracked key maintenance performance metrics of mean time between failures, mean time to repair and OEE

General Maintenance Engineering Technician ----- 08/96 – 01/97

General Nutrition Company (Food Industry)

Greenville, South Carolina Leaving Reason – Career Advancement

Key Responsibilities and Accomplishments: -

- Renovated boiler room to make better its organization and operation and updated boiler water conditioning testing
- Eliminated chronic cooling tower water conditioning problems by making improvement to maintenance in 6 months
- Installed and populated DataStream MP2 a computerized maintenance management software (CMMS) package
- Conducted scheduled training to better help maintenance team with proper equipment care and troubleshooting
- Collaborated with processing and operations' team leaders to reduce overall equipment downtime from 6% to 4%
- Oversee and coordinate contractor activities on installation projects, upgrades, machine repair and service work
- Developed and implemented improvements for maintenance best in class for organization during ISO/QS audits
- Install, inspect and maintain electrical and electronic equipment and components for production and plant site
- General maintenance for plant wide logistical support equipment, ancillary machines and site water treatment plant
- Developed work instructions for boiler, chiller and cooling tower water testing and maintenance logs and records

Maintenance Engineering Technician ----- 02/92 – 07/96

Good Humor-Breyers Ice Cream (Food Industry) Unilever Company US

Sikeston, Missouri Leaving Reason – Career Advancement

Key Responsibilities and Accomplishments: -

- Designed centralized brine delivery system and make up system cost savings was projected and yielded \$80,000
- Participated in creating a Process Safety Management manual for the plant R-717 ammonia refrigeration system
- Tracked and prioritized top reliability and downtime issues while helping by properly categorizing downtime events
- Maintained and ensured functionality of all facilities related equipment boilers, chillers, compressors and HVACs
- Key engineering decision maker member in all aspects of facility upkeep, modifications, and equipment upgrades
- Led innumerable root cause analyses (RCAs) on equipment and successfully reduced downtime 80% attributed
- Organized daily, weekly, monthly planning and scheduling meetings to aid in better scheduling attainment of ±5%
- Attained company certification in R-717 RETA (Refrigeration Engineer Technicians Association) course study
- Performed line maintenance shutdowns turnarounds overhauls to ice cream and water ice producing machinery
- Maintained repaired flow wrapper packaging machines carton erectors horizontal vertical stretching film wrappers

Maintenance Engineer ----- 02/86 – 11/91

Birdseye-Wall's Ice Cream (Food Industry) Unilever Company UK

Gloucester, England Leaving Reason – Career Advancement

Key Responsibilities and Accomplishments: -

- Designed a product ingredients separation device that reduced rework from 10,000 gallons to 500 gallons a year
- Conducted new and retrofits to core processing equipment installations commissioning capital installation projects
- Passed all relevant internal company training tests to become a recognized industrial power and control electrician
- Developed maintenance and repair procedure for wax ink jet printers resulting in a \$10,000 cost savings annually
- Provided project plan specific coordination and making the connections to internal / external technical resources
- Developed, implemented systems and procedures for technical support, preventative and predictive maintenance
- Resolved the repeated failures of bulk ingredient supply pump with an Mean Time To Failure of 7 days to infinity
- Engineered plant facility projects refrigeration systems maintenance overhauls repairs upgrades and restorations
- Performed line maintenance shutdowns turnarounds overhauls to ice cream and water ice producing machinery
- Active safety committee member carried out scheduled equipment electrical, mechanical safety inspection tests

Production Maintenance Technician ----- 09/82 – 02/86

Carr-Speed Plastics (Automotive Industry)

Gloucester, England Leaving Reason – Career Advancement

Key Responsibilities and Accomplishments: -

- Helped build and install a custom 4500 kW vacuum forming machine saving the company \$370,000 in capital costs
- Identified, planned, and implemented Reliability, Availability, Maintainability and Safety (RAMS) for plant machines
- Developed and maintained routine preventative Maintenance programs supporting Krauss Maffei RIM molding Lines
- Developed and maintained routine preventative maintenance programs supporting Illig vacuum forming machines
- Designed and manufactured frames, fixtures, and fittings and installed them on to test new product start-up tooling
- Managed the day-to-day operation of electrical / mechanical corrective maintenance to restore production uptime
- Site wide duties for the general operation maintenance of and vacuum forming and thermoset forming machinery
- Overhauls, rebuilds and repairs of hydraulic pneumatic mechanical and electric power and control process systems
- Performed scheduled maintenance on all facility support equipment in the plant such as air compressors and boilers
- Devised upgrades and modifications to improved equipment machinery maintainability reliability and operability

Indentured Apprentice Rolls Royce Bentley Car Mechanic ----- 09/82 – 02/86

S.P. Broughtons (Automotive Industry)

Cheltenham Spa, England Leaving Reason – Career Advancement

Key Responsibilities and Accomplishments: -

- Successfully completed 4 years of a 5 years indentured Rolls Royce and Bentley motorcar mechanic apprenticeship
- Attended North Gloucestershire College Arts Technology completing all City & Guilds of London Institute exams
- Earned relevant industry qualifications pursuant with the National Joint Council Motor Vehicle Retail Repair Industry

EDUCATION / TRAINING / FORMAL / INFORMAL / QUALIFICATIONS / CERTIFICATIONS / SKILLS / IN UK-US

- Completed Light Vehicle Mechanic Indentured Apprenticeship National Craft Certificate **Associates Degree UK**
 - NJCMVRRRI (National Joint Council Motor Vehicle Retail & Repair Industry)
 - Engines – Chassis Components (City & Guild London of Institute)

- General Technologies – Light Vehicle (City & Guild London of Institute)
- Multi Skilled Maintenance Engineering Craftsman (Engineering Industry Training Board) **Associates Degree** UK
- Certified Maintenance and Reliability Professional CMRP (SMRP – SMRPCO) US
- Six Sigma Yellow Belt Certification of training (EDCT – Greenville Technical College 3.2 CEUs) US
- Six Sigma Green Belt Certification of training (EDCT – Greenville Technical College 8.0 CEUs) US
- Six Sigma Green Belt Certification (Wells Dairy Enterprises Internal Training Recognition) US
- Six Sigma Black Belt Certification (Wells Dairy Enterprises Internal Training Recognition)+Chartered Project US
- EPA 40 CFR P.82 S.F Refrigerant Transition and Recovery Universal Certification (Ferris State University) US
- RETA Certified Industrial Mechanical Refrigeration Technician R-717 (Good Humor-Breyers Certification) US
- CAPM Certified Associate Project Management (Project Management Institute) US
- Maintenance Management (1.4 CEUs – Clemson University) US
- Team Leadership Training (8.4 CEUs – Greenville Technical College) US
- Lean 101 Lean Manufacturing Principles (0.8 CEUs – Greenville Technical College) US
- 5S Training (0.8 CEUs – Greenville Technical College) US
- Kanban (0.8 CEUs – Greenville Technical College) US
- Mistake Proofing (0.8 CEUs – Greenville Technical College) US
- SMED Quick Change Over Set-Up Reduction (0.8 CEUs – Greenville Technical College) US
- 8D Disciplined Team Oriented Problem Solving (0.8 CEUs – Greenville Technical College) US
- 8D Disciplined Team Oriented Problem Solving (8 Hours – Alfmeier Corporation) US
- Policy Deployment (0.4 CEUs – Greenville Technical College) US
- Lean Office Kaizen (0.8 CEUs – Greenville Technical College) US
- Kaizen (40 Hours – Kaizen Institute of America) US
- Value Stream Mapping (1.6 CEUs – Greenville Technical College) US
- Standardized Work (1.2 CEUs – Greenville Technical College) US
- HazWoper (24 Hours – University of Missouri Columbia Vice Provost Re-certification) US
- HazWoper (08 Hours – University of Missouri Columbia Vice Provost Re-certification) US
- HazWoper (08 Hours – University of Missouri Columbia Vice Provost Re-certification) US
- TPM Total Productive Maintenance (Self Taught – Subject Matter Expert) US
- A3 Problem Solving PDCA Method (Self Taught – Subject Matter Expert) US
- Story Boards PDCA PDSA SDSA (Self Taught – Subject Matter Expert) US
- 5 Whys Iterative Problem Solving (Self Taught – Subject Matter Expert) US
- RCM Reliability Centered Maintenance (Self Taught – Subject Matter Expert) UK-US
- P-M Analysis Advanced Problem Solving (Self Taught – Subject Matter Expert) US
- Root Cause Mapping I & II (1.6 CEUs – Think Reliability IACET) US
- National Electrical Code (2.1 CEUs – National Technology Transfer) US
- Arch Flash & Electrical Safety 1910 NFPA-70E (4 Hours – Nvisage Consulting Group LLC) US
- Electrical Electronic Devices (Astra Training Services) UK
- Programmable Logic Controllers (Astra Training Services) UK
- GE Fanuc Series 90-30 Programmable Logic Controllers (GE Fanuc Automation Crescent Electrical) US
- AC Drives (24 Hours – Allen Bradley Automation) US
- Identification Use Electronic Components EITB J525 (Astra Training Services) UK
- 15th Edition IEE Wiring Regulations Electrical Installations (City & Guilds of London Institute) UK
- 15th Edition IEE Wiring Regulations Electrical Installations (Astra Training Services) UK
- Steam Plant Maintenance Certification (Spirax Sarco – City & Guilds of London Institute) UK
- Applied Pneumatics Training Course Certificate (36 Hours – Martinair Pneumatics) UK
- Service Pneumatics Training Course Certificate (36 Hours – Martinair Pneumatics) UK
- TIG Welding Training (32 Hours – Manpower Services Commission) UK
- Maintenance of Wrapping and Packaging Machinery (Engineering Training Authority) UK
- Mechanical to Electrical Conversion Course Engineering Craftsman (Engineering Industry Training Board) UK
- Mechanical to Electrical Conversion Course Validated Achievement (Engineering Industry Training Board) UK
- Hydraulics Injection Molding Machine Certificate (36 Hours - Plastics Processing Industry Training Board) UK
- ISO 14001 Internal Auditor (24 Hours – South Carolina Manufacturing Extension Partnership) US
- ISO 9000 (24 Hours – South Carolina Manufacturing Extension Partnership) US

- IATS 16949 (24 Hours – South Carolina Manufacturing Extension Partnership) US
- Internal Auditor Training (8 Hours – Alfmeier Corporation Company Certification) US
- Training The Trainer (1.6 CEUs – Ready SC Technical College System) US
- Crucial Conversations (16 Hours – VitalSmarts Training Systems) US
- Dealing Effectively Employee Behavior (6 Hours 0.6 CEUs – SkillPath Seminars) US
- Project Management (0.6 CEUs – Fred Pryor Seminars Career Track) US
- HACCP Workshop Training (24 Hours – AIB – American Institute of Bakers) US
- Behavior Based Safety Observer Training (8 Hours – WDI/BST Solutions) US
- SafeStart Behavior Based Safety (24 Hours – ElectroLabs Training Systems Certified Trainer) US

- Competition Law / Antitrust Law / Anti Bribery Law (Baker McKenzie Link – E Learning 100% Test Scores) US
- MS Excel (1.9 CEUs – Greenville Technical College) US
- MS Excel Advanced (0.7 CEUs – Spartanburg Technical College) US
- MS Excel 2010 (LearnKey – OnlineExpert.com) US
- MS Word 2010 (LearnKey – OnlineExpert.com) US
- MS PowerPoint 2010 (LearnKey – OnlineExpert.com) US
- MS Project 2010 (LearnKey – OnlineExpert.com) US
- MS Word 1995 – 2019 (Self Taught) US
- MS PowerPoint 1998 – 2019 (Self Taught) US
- MS Publisher 2003 – 2019 (Self Taught) US
- MS Visio 2003 – 2019 (Self Taught) US
- MS Project 2000 – 2016 (Self Taught) US
- Adobe Acrobat – 2017 (Self Taught) US
- AutoCAD LT 2D 2012 – 2020 Autodesk (Self Taught) US
- MiniTab 16 Statistical Analysis Software (Self Taught) US
- BowTie XP risk assessment software – (CGE Products) – (Self Taught) US
- MP2 (Maintenance Professional 2 – DataStream) Computer Maintenance Management System US

I have compiled a photographic and diagrammatic on-line career portfolio website illustrating examples of my engineering proficiencies, cost saving contrivances, organizational acumen, good judgment, resourcefulness reliability improvements and diagnostic perception. With a full listing of my vocational disciplines, qualifications, certificates and references letters that supports and exemplifies my technical knowledge, skills and abilities to the fact of this resume Website: <http://www.fredwebberking.com> ◀◀ press control+left click to view my online career portfolio website ◀◀