

# RESUME

## FRED WEBBERKING

### LEAN – CONTINUOUS IMPROVEMENT – MAINTENANCE ENGINEERING

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#### CAREER SUMMARY

I introduce myself to you as a person who has an impeccable employment history and an exemplary employment record of achievements, experience, qualifications, and certifications. My resume and my online career portfolio website will demonstrate to you that I am stand out candidate for employment with your company. My career has been in three industries, automotive, food and non-wovens. The job title roles that I have held in those industries have either been some-or-other maintenance, some-or-other lean or some-or-other continuous improvement. My first apprenticeship was with Broughtons as a Rolls Royce and Bentley Car Mechanic. My second apprenticeship was with Alfmeier as a Maintenance Manager. Alfmeier was my apprenticeship into the world lean and continuous improvement. I brought with me into the world of lean and continuous improvement the very best of who I was before from the world of maintenance

#### CAREER ACTIVITIES

- Lean Continuous Improvement Systems Implementer
- Six Sigma, Reliability Centered Maintenance Practitioner
- Equipment, Reliability, Durability, Maintainability Deviser
- Preventive, Predictive, Detective Maintenance Manager
- Process Value Stream Mapping Optimization Planner
- Co-Active Coach, Organizational Systems Developer
- Empathetic Mentor, Extra Curricular Work Volunteer
- Behavior Based Safety Systems Program Coordinator
- Kaizen Organizational Development Team Facilitator
- Quick Changeover, Mistake Proof Techniques Inventor
- Total Productive Maintenance Exponent, Skills Trainer
- Advanced Problem Solving Methodologies Investigator
- Team Builder, Intra, Inter Departmental Communicator
- Motivational Educator, Capital Projects Team Leader

#### CAREER OBJECTIVE

Searching for a role to utilize my professional experience in helping a company of people to make a transformation for themselves by putting in place a proactive business plan to yield performance improvements on safety, quality, delivery and cost by deploying basic rationalization methods and a philosophy of motivating people to fulfil their own potential

#### PROFESSIONAL EXPERIENCE

**Reliability & Continuous Improvement Manager** ----- 04/11 – 08/19

**Fitesa** (Non-Wovens Industry)

Simpsonville, South Carolina

#### 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

**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

**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

**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

**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

**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

**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 Job Transfer US)**

Sikeston, Missouri

**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  $\pm 5\%$
- 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 Job Transfer UK)**

Gloucester, England

**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

**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

**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 (EDCT – Greenville Technical College) 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
- 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
• 15 <sup>th</sup> Edition IEE Wiring Regulations Electrical Installations (City & Guilds of London Institute)	UK
• 15 <sup>th</sup> 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 ▶▶