

Kevin Liticker

Senior level engineer and certified Six Sigma Black Belt with 25 years' experience in diverse manufacturing environments. Expertise in process improvement and the development of new technologies and data systems. Successful leader of multi-site cross-functional teams. Reputation for high personal standards and integrity.

Professional Experience

Sealed Air Corp.

2015 - Present

Systems Process Engineer (2017 – Present)

Developed web-based systems to collect and report business essential data for a variety of departments and functions across multiple sites. Development was primarily done in HTML, PHP, and Javascript (Jquery). Multiple projects under development at any given time for varying levels of management requiring a high degree of time management, and ability to balance priorities.

Major Systems Include:

- **Action Item Management System (AIMS)** – Standardized action item tracking, accountability and reporting across all departments by managing projects & associated action items with ability to assign owners at each step. Includes email notification to the appropriate person or group each time an action is opened, closed, reassigned or when it goes past the assigned due date. Drives accountability and accelerates process improvements.
- **Manufacturing Events (Downtime) Calendar** – Established a process to record & report on events (planned and unplanned) by date & time. Enables early identification of problems and drives process improvements. If scrap or downtime targets are not met, an action item is automatically generated in the AIMS system to prompt investigation of root cause. Multiple layers of pareto charts are generated for analysis.
- **Maintenance Request** – Increases equipment up-time by reducing the time for operators to request maintenance assistance and/or materials. Requests for equipment maintenance and/or supplies entered by equipment operators & responded to by maintenance department. Has the ability to query data for analysis of response time, frequency of problems etc.
- **Manufacturing Equipment Status Dashboard** – Displays equipment run status for the entire department on a large monitor placed prominently on the production floor. Pulls data from equipment PLCs to determine run status on a continuous basis throughout the day. Enables early detection of problem spots to be addressed by supervision and/or maintenance.

Other systems include Attendance & Discipline, Pay-For-Performance (employee performance reviews), Operator Routine, Employee Suggestions, Engineering Drawing Requests, Document Management, various plant dashboards, and various employee surveys.

Performance Improvement Leader (2015 – 2017)

Led performance improvement efforts in the Press, Laminating and Bagmaking operations in the Iowa Park shrink bag manufacturing facility. Responsible for implementing lean manufacturing processes for the production floor and administration. Managed implementation of Lean Manufacturing principles in Converting processes (*press, laminating and bag-making*)

- Coached shift leaders and supervisors in data collection & reporting, root cause analysis and escalation process
- Led Kaizen events using Lean and Six Sigma tools to solve yield problems, improve changeover times and improve data integrity for scheduling and process control
- Customer returns down by 50% in 2016 compared to 2015, Total positive efficiency variance of \$3.7M for FY2016

Alcoa Power and Propulsion (Howmet)

2012 - 2015

Casting Process Owner

Managed equiax investment casting process in support of manufacturing of jet engine blades and vanes cast in super alloys. Responsible for process management and improvement including process, materials and equipment changes. Saved Wichita Falls casting plant \$998K in scrap cost by improving process scrap from 3.43% in 2012 to 2.76% in 2014.

- **Process Management**
 - Regular statistical analysis of process data to spot trends and correct problems before causing scrap
 - Daily process audits on the production floor
 - Monthly self assessment audit to measure conformance to Alcoa standards
 - Developed Access database for casting department process and yield data
- **Process Improvement**
 - Led continuous improvement activities for casting department
 - Led effort to modify pumping configuration of largest casting unit for improved pumping performance
 - Collaborated with other process owners from sites worldwide to implement best practices
- **Supervision**
 - Supervised activities of casting technicians and college interns
 - Led regular meetings with operators to review performance and communicate engineering activities
 - Reported process yields to local management daily, and to corporate management monthly

Rockwell Automation (Allen Bradley)

2004 - 2012

Project Engineer (Advanced Process & Operations Support) – Mayfield Heights, OH (2008 – 2012)

Managed Projects in Support of Manufacturing of Printed Circuit Boards for Allen Bradley Programmable Logic Controllers (PLCs) for all global manufacturing facilities. Projects included evaluation of new equipment & technologies, Design for Manufacturability (DFM) and assessment of manufacturing sites for consistency of build quality.

- **New Technology Evaluations**
 - Evaluated new stencil technologies for small aperture solder paste printing
 - Led project to introduce 0.4mm pitch Chip Scale Package (CSP) components to manufacturing
 - Managed multi-site teams to evaluate and select equipment and materials for all manufacturing sites
- **Design for Manufacturability**
 - Owner of Global PCB Design Guidelines
 - Used for design of circuit boards to ensure manufacturability at all sites
 - Led multi-facility team to periodically review and update document
 - Owner of “Design for Manufacturability Index” (DMI) tool
 - Used as an initial evaluation of new designs for determining conformance to design guidelines
 - Updated document in conjunction with changes made in the design guidelines
- **Manufacturing Site Assessments**
 - Travelled to various manufacturing sites for evaluations of conformance to CTQ (Critical to Quality) criteria
 - Participated in Kaizen events for process improvements and improved conformance to CTQs

Sr. Process Engineer – Twinsburg, OH, (2004 – 2008)

Direct line support for medium volume, high product mix manufacturing site. Completed process improvement projects, and resolved issues on the line, minimizing production line down time

- Process owner for prototype and pilot assembly process
- Six Sigma Certification Project: Reduced prototype & pilot build cycle time by 25%
- Process owner for reflow oven process
- Daily on-line process troubleshooting
- Reduced overall solder process defect (PPM) level by 30%

Hana Microdisplay Technologies

1998 - 2004

Sr. Manufacturing Engineer, Semiconductor Packaging Process – Twinsburg OH

- Developed semiconductor packaging processes for Micro-LCD (Liquid Crystal Display) devices used in projection displays and monitors

Education & Certifications

Certified Six Sigma Black Belt

October, 2008

- Training conducted by Sigma Breakthrough Technologies (SBTI), completed in January 2006
- Received certifications from the American Society for Quality (ASQ) and Rockwell Automation in Oct. 2008
- Total savings to company of \$479,000 for certification projects

Master of Science in Applied Physics, 4.0 GPA

1995 – 1997, 2002

University of Central Oklahoma, Edmond Oklahoma

- Attended classes 1995 through 1997, defended thesis in 2002 while working in LCD industry in Ohio.
- Performed research in optical properties of cholesteric liquid crystal layers.

Bachelor of Science in Physics, 3.5 GPA

1992 - 1994

Cameron University, Lawton Oklahoma

- Minor in Mathematics.

Publication and Recognition

- Bronze Key award for manufacturing efficiency improvements with Maintenance Request System
- Published and presented paper: “Stencil Technologies for Small Aperture Printing” at SMTA International Conference in Orlando FL, in Oct 2010
- Presented Stencil Technologies paper at Soldering Technologies Symposium in Schaumburg IL, in Aug. 2011
- Multiple presentations at Ohio Valley chapter of SMTA
- Received Innovation Award for developing a new method to evaluate solderability of incoming PCBs