

Matthew Lindgren

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Professional Summary

- **Quality and Continuous Improvement Engineer** with experience in new product development (DFSS), team facilitation, cause and effect analysis, problem solving, coaching and mentoring team members, building and growing supplier and customer relationships.
- Strong verbal and written **communication skills**, which includes experience facilitating cross functional teams in continuous improvement events and responses to customer concerns or issues.
- **Manufacturing experience** including complex mechanical assemblies, electronic storage devices, and medical devices. Commodity experience: machining, sheet metal, plastic injection molding, magnesium thixomolding, special processes, PCBA's, electronic components, composite materials.
- Experience working with **ISO9001, ISO13485, FDA 21 CFR 820, and AS9100 Quality Management Systems**.
- Certified **Six Sigma Black Belt**, trained in Design for Six Sigma and **Lean Manufacturing**.
- Data analyst with **advanced statistical skills**, skilled at turning raw data into useful information, generating reports, dashboards, and presentations used for business analysis and decision making.
- Prominent advocate for creative problem solving methods. Training various functional groups on the concepts used to creatively resolve issues, restructure biases and implement effective solutions.

Professional Accomplishments

- **Mentored, coached, and developed** junior Engineers in fundamental Quality Engineering BOK.
- Diligent, daily advocate for **attacking Human Factors issues** – i.e. Human Error, Procedure Not Followed, Missing Operations, Incomplete Operations and understanding Operator decision making.
- Certifying Black Belt project reduced PCBA scrap from **\$1M per year to less than \$100k annually**.
- Facilitated **dozens** of teams helping to grow cultural focus on continuous improvement.
- Implemented visual work instructions for the factory floor reducing assembly errors, **human error**.
- Developed and conducted **A3 (PDCA)** training for multiple organizations – **350+ employees**.
- Utilized FMEA and control plans to identify and monitor critical control points; **reducing process risks by 90%**.
- Reengineered a process for rapid response to customers – obtained goal of response within 24 hrs.
- Launched DMS process (Gemba Walk) to create an **Army of Problem Solvers**.

Employment History

Staff Quality Solutions Engineer	9/2017 – Present	Plexus, Corp.	Boulder, CO
Senior Quality/CI Engineer	4/2017 – 7/2017	Parkway	Fort Collins, CO
Senior Customer Quality Engineer – Black Belt	4/2010 – 11/2016	Woodward	Fort Collins, CO
Mission Assurance Engineer – Black Belt	12/2008 – 1/2010	ATK	Mesa, AZ
Program Quality Engineer – Black Belt	11/2004-11/2008	BAE Systems	Phoenix, AZ

- Facilitated teams creating current state and future state **Value Stream Maps**.
- Advanced use of quality plans, incoming inspection procedures, SPC control, **8D**, FMEA, and DOE.
- Translated customer requirements (CTx's) into actionable items using VOC and Hoshin Kanri.
- **Primary data analyst** – conducting detailed statistical analysis, including exploratory, inferential and experimental analysis; data mining and reporting results related to performance metrics (QDRC).
- Use advanced statistical rationale to plan, analyze, and interpret engineering data collected during NPI testing.
- Conducted dozens of **DOE's** spanning special processes, complex machining operations, and office operations.
- Defined complex inspection systems that were used by process assemblers – utilizing NOAC.
- Led multiple improvement teams in such projects as scrap and rework reduction and lowering customer PPM.
- Participated on **Journey to Excellence** teams as we implemented Lean Manufacturing.
- Responsible for **verification and validation planning** for all product/process changes.
- Designed and optimized a one-piece flow system for fluctuating customer demands.
- **Implemented 5S** principles across the operations areas – then developed standard work procedures for assigned work areas.
- Responsible for auditing the organization against the elements defined in **ISO9001, ISO13485, and AS9100**.
- Built and maintained **DHR, DMR, DHF files** for various medical devices.
- Initiated **Kaizen** projects, using **A3's** to address quality issues both from the production floor and those that have impacted customers, **leveraging those results** across value streams.
- Analyzed risks within the business utilizing FMEA's, control plans, and increasing the velocity of sensing and responding to identified risks (checklist manifesto).
- Led teams using a **Compliance Matrix** and trace audits to ensure all required customer requirements were met, including verification and validation planning, product and process control (APQP, PPAP).
- Analyzed monthly warranty data for trends and recommended solutions based on analysis results.
- Used Monte Carlo simulation to **analyze process variability** and used sensitivity analysis to reduce variability within key manufacturing processes.
- Developed a metrics reporting system to **visualize QDRC metrics** – i.e. COPQ and PPM.
- Derived quality objectives to align with corporate goals and objectives using **Hoshin Planning**.
- Developed a highly effective problem solving methodology that uses a **Systems Thinking approach** and taught the methodology to our Global Quality, Operations and Engineering teams – focusing on **True North** vision.
- Developed system to write **highly reliable SOPs** based on 3T (target, tolerance, test).
- Over 20 years of experience has taught me that, although the tools have their place, **moving the needle** is about the relationships – facilitating and negotiating other people's time – selling the value and results to them, so I have developed an extensive "toolbox" that includes hard tools balanced with soft skills – Teamwork makes the Dream work

Credentials

Bachelor of Science – Project Management

Colorado Technical University

Associate of Science – Electronics Engineering Technology

Colorado Technical College

Six Sigma Black Belt – DMAIC

Breakthrough Technologies

Design for Six Sigma – DCDOV

Moresteam.com

Lean Leadership

Woodward University

Advanced Value Stream Mapping and Kaizen Leader

Lean Advisors

Management Essentials – Advanced Supervisory Skills

Peak Solutions

Advanced Cause and Effect Problem Solving – Cause Mapping

ThinkReliability

Advanced Design of Experiments

Launsby Consulting