



Conquering the world, Paving the way, Shaping the unknown,
 Making the most of all resources, Success. We are the Men &
 Women, We are the machines, and we are Mechanical Engineers.

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Is Manufacturing, Mechanical Engineer + Continuous Improvement + Project Management Engineer
 Katon Methodologies | Change Agent | Process Engineering | Lean Manufacturing Expert, Trainer, & Coach
 Highly motivated performance driven engineer, simplifying quality, profitability, & processes in the industry.



BUSINESS VALUE

Manufacturing & Mechanical Engineer highly adept in lean manufacturing repeatedly exceeded company expectations through deployment of creative ideas and solutions. Develops concise and sound strategies which propel business forward. My greatest strength is bringing teams together & helping them focus on the big picture.

- ✓ **Apex International:** Stepped in to turn around the facility by helping to overhaul and launch 100+ new products annual boosting revenue by 40% for business overall.
- ✓ **Capella University:** Guided department through stage gate process securing fruitful program launches catapulting institution's "Q" time right" success rate of 8% to 95%.
- ✓ **Toyota Motor:** Increased operational efficiencies by 30% modifying robot programs & reducing cycle time on molding machines, paint & conveyor systems by 10-15%.

CORE EXPERTISE

Project Management | Lean Manufacturing | Katon Methodologies | Continuous Improvement | Product Design
 Time Studies & Motion Analysis | Cost Optimization | Safety Initiatives | Risk Management
 Process Validation | Product Development Systems & Methods | Process Management | People Management
 Corrective Action Preventive Action (CAPA) | Design Concepts | Specification Requirements
 Troubleshooting | Group & Team Facilitation | Toyota Production Systems | Problem Solving Analytics

PROCESS IMPROVEMENT CHAMPION

40% Surge

100% Downtime

20 hrs. Saved

100% Reduction

20 ppl Trained

10% Cut

is throughout
each year

with downtime &
downtime time

per month to date
analysis techniques

is 100% successful -
Toyota & Nissan

is over 90%
Techniques

is cycle time at
Toyota Motor 90%

CAREER TRAJECTORY & MILESTONES

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APEX INTERNATIONAL, Eden Prairie, MN - Joined facility was the planthead & reports to Executive. 04/2020 - 01/2022

LEAN ENGINEERING MANAGER (04/2021 - 01/2022)

Drove consistently stellar outcomes leading cross-functional team of 8 engineering, lean, facility, & maintenance professionals, ensuring on-time delivery of projects within budgetary constraints. Produced high-quality deliverables in real-time lean manufacturing environment. Built & installed new automated downtime tracking system enabling better maintenance & engineering resources utilization. Oversee entire production process, teams, & projects.

- **Process Improvement** - Increased operational efficiencies installing 8 compounding tanks elevating batch production 30% - Executed implementation of robot catapulting throughput from 10 units/min. to 30 units/min. resulting in enhanced safety measures for operators.
- **New Developments** - Designed, built, & led execution of newly automated downtime tracking system eliminating 20 hours/min. of manual analysis & calculations into system & reducing error rate by 10%.
- **Supply Chain & Production** - Spearheaded 2 day training workshop & architected warehouse & supply chain system for critical customer decreasing production lead time from 60 days to <1 week.





LEAN TRANSFORMATION SUPERVISOR (10/2020 – 04/2021) – *Project-based role with lean emphasis on Lean Techniques*
 Executed lean transformation initiatives via kaizen & continuous process improvement, meeting company goals in alignment with key metrics encompassing quality, cost, delivery, safety & productivity. Enhanced team skills leading events alongside consultants fostering training for 20+ individuals, including senior leaders eager to learn lean mfg.

- **Performance Improvements** – Established environment of creative excellence collaborating with senior leadership to develop company's signature business system – strengthening employee engagement on lean projects & bolstered customer relations in alignment with signature system.
- **Leadership & Project Execution** – Helmed kaizen sessions 1X per/week with teams of 8-10 to implement creative ideas & solutions while promoting lean advocacy. Facilitated lean training alongside consultants successfully teaching 20+ individuals lean techniques generating 90% trainer success rate.

LEAN DEPLOYMENT LEADER (1/2020 – 10/2020) – *"Go to Resource" for lean with strategic focus on process improvement*
 Facilitated strategic services to management & frontline employees, reinforcing & launching successful application & practice of LHM management system. Analyzed lean processes & assisted in stabilizing processes for improvement, implemented lean methods, increased operations model consistency & empowered employees to drive business.

- **Continuous Improvement** – Enriched safety by +25% via lean tools, enhanced quality reducing defects down to +8.2% for a vital customer, & reduced production costs up to 50% & changeover time by 50%. (Changeover time scaled downwards from 4 hours to 1 hour).
- **Problem Solving Analytics** – Discovered & resolved root causes of high downtime rates drastically reducing rate by 50%. (Root causes resolved → inaccurate label counts led to label storage system – contaminated products traced to metal debris in tank as source leading to installing magnetic traps).



CAPILLA UNIVERSITY, Minneapolis, MN

05/2018 – 05/2020

PROJECT MANAGER – *Process Flow Improvement – Foster Community, Uplift Learning/Power Relations, & Foster Success*

Devised and implemented operational plans to foster students' skills, integrated new operational methodologies, including SOPs, process flow charts, specification documents, and KPI working with 11 cross-functional departments

- **Project Management Expertise** – Maximized "3" Time Right theory for program launches from 6% to 90% directly related to refinement of program & immediate resolution of issues.
- **Process Development** – Authored 50 SOPs, 11 department flowcharts, & 1 master process flowchart established to track 100% of progress, identify 99.9% of issues in the program or stage gate process.
- **Process Improvement** – Piloted 3 project launches, minimizing program launch defects by 50%, propelling average program launch time from 12 months to 4 months, ensuring viable projects.

ADDITIONAL CAREER HISTORY & IMPACT



PROCTOR & GAMBLE, Iowa City, IA – *Managed 20+ professionals reducing defects, downtime, & inefficiencies.*

PROCESS ENGINEER – Packaging line improvements, eliminate defects, & improve overall facility

Configured process improvements via label process enhancements, conducted thorough investigations, & obtained adequate & more quality facing equipment – elevated safety compliance rates & quality assurance by at least 50%.

TOYOTA MOTOR MFG., Decorah, IA – *Enacted critical projects to reduce defects, cycle time & workload*

PLASTICS ENGINEER CO-OP – Incorporated new tools enhancing efficiency and programmed robots for enhanced ergonomics. Spearheaded robot program decreasing quality deficiencies, designed tools reducing operator workload, & conceptualized & implemented meticulous machinery upgrades & systems reducing cycle time by 15%.

EDUCATION

MBA – Project Management • Capella University (Inv. 201)

BS – Mechanical Engineering • Iowa State University

Lean Practitioner Certification – Manufacturer's Alliance – 2021

