



Lance Janson B.Eng., PMP

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FOCUS: Manufacturing / Process Engineer

Expertise in Driving New & Current Product Development & Continuous Improvement Programs

- ▶ **Results-Driven Manufacturing Engineer** — Expertise in design, development, validation, and integration of new manufacturing processes for globally reputed engineering/technology services firms.
- ▶ **Strategic Planner** — Champion regional and global cross-functional teams to improve manufacturing operational efficiencies while resolving production or technical issues. Determine failure root causes, analyze and coordinate workflow processes, and identify space requirements.
- ▶ **Innovator** — Deploy robust Lean Manufacturing techniques and methods to optimize material usage, reduce costs and time constraints, while driving current product innovations.
- ▶ **Project Manager** — Pilot large-scale engineering and manufacturing projects on time and on budget, collaborating with ~20+ team members, while managing budgets to \$1M.

Career Highlights:

- ▶ Created new manufacturing processes
- ▶ Reduced assembly build issues 80% and cut costs by 50%
- ▶ Improved operator performance 35% and decreased assembly errors 50%
- ▶ Launched NPD and CI programs/projects
- ▶ Decreased ~\$70K+ costs
- ▶ Piloted key projects with zero escalation

AREAS OF EXPERTISE

Management / Supervisory Expertise
 Custom Product Introductions
 Communications / Interpersonal Skills
 Cross-Functional Team Collaboration
 Team Training / Mentoring
 Quality Control Standards
 Workflow Process Analysis
 Strategic Problem Solving
 Continuous Improvement

Manufacturing Process Engineering
 Assembly Engineering
 Lean Manufacturing Principles
 Design for Manufacturing Assembly
 Bill of Materials (BOM) Management
 Virtual Build Manufacturing
 Product Data Management
 Process Failure Mode Effects Analysis (PMFEA)
 New Product / Process Development

Assembly Process Planning
 Factory Layout Optimization
 MS Office | ERP
 AutoCAD

PROFESSIONAL EXPERIENCE & IMPACT

QUALITY ENGINEERING, Mississauga, ON

2018 – Present

Engineering / IT services firm helping leading manufacturers design better quality products while optimizing manufacturing efficiency.

MANUFACTURING ENGINEER | 25 Indirect Reports | \$500K Budget

Recruited to establish routings, methods, layouts, tools, costs, and documentation to current operations and/or new parts or programs/products. Resolve new/current production processes and build-related issues, identify root causes, and develop new manufacturing processes. Devise new concepts in fixture designs and material handling. Source design and build with external service providers and Tool and Die Maker Team. Troubleshoot technical issues with Supply Management, Product Development, Material Coordinators, and Quality teams. Create, modify, and maintain complex EBOM, MBOM, and Material Masters for new/existing product structures. Pilot PFMEA and Control Plan Development Process for NPD releases.

- **Reduced design and development cost of new material handling racks 50% while saving \$35,000 in budget for New Product Development Program.** Generated innovative ideas for designing racks.
- **Decreased assembly build issues from prior durability build 80%.**
 - Initiated and deployed *Build Readiness Audit Method*. Facilitated new parts availability for work stations.
 - Offered accurate data, key instructions, and diagrams. Communicated lead times to team lead and operator.
- **Improved operator performance 35% and curtailed assembly errors 50%** by integrating new ideas supported by parts standardization utilized across different product models and variants.

Created new manufacturing processes

Resolved production issues

A1 INFOTECH SERVICES, Etobicoke, ON

2011 – 2017

*Global leader in technology services and consulting, helping clients in multiple countries to create and execute digital transformation strategies.***ENGINEER / CONSULTANT | 20 Indirect Reports | \$1M Budget**

Hired to manage large-scale engineering and manufacturing projects from client location for global equipment manufacturer while meeting productivity and budget/scheduling goals. Designed, modified, and reviewed routings and assembly operation sequences for **New Product Development and Continuous Improvement programs**. Provided new and current build support. Conducted root cause analysis of quality and assembly issues.

Originated new manufacturing process. Implemented Lean Manufacturing principles by creating and updating standard worksheets to support key initiatives. Devised floor layouts for existing and future project/processes. Addressed non-value added activities. Engaged in Value Stream Mapping workshops. Optimized engineering changes with timely change requests.

- **Drove Engineering Specification and Manufacturing Services projects from scratch.**
 - **Supported US, Europe, and India regions, managing \$2M+ process account from US.** Mitigated escalations while fostering high productivity and quality. Honed new processes and systems.
- **Saved \$70,000+ yearly costs** by generating automated solutions for specification projects. Streamlined team count and workflow.
- **Reduced assembly errors 50% and slashed time 25%** by designing and updating Visual Work Instruction/Operator Method Sheet for each assembly operation.
- **Salvaged \$50,000 costs** by championing team to execute 2 Six Sigma Green Belt projects and 1 Yellow Belt project. Standardized process across all factories by channelling analytics to gauge issues/gaps.
- **Executed projects with zero customer escalations** by instilling quality in all project management stages.

Worked with Product Development, Manufacturing, and Supply Management teams to spearhead projects

Launched NPD and CI programs

SUPERCOMP INTERNATIONAL SERVICES, Toronto, ON

2001 – 2011

*Leading provider and manufacturer of innovative computer technology solutions, services, and support to customers on a global scale.***PROJECT LEAD / MECHANICAL ENGINEER | 15 Direct Reports | \$500K+ Budget**

Hired to lead New Product Development (NPD) projects for engine series in creation of assembly operation sequences, time study, and virtual assembly build. Partnered with NPD Team to develop advanced process and conceptual floor layout of new product for assembly line. Identified potential component interface and assembly issues. Piloted Virtual Manufacturing projects. Validated Component-to-Component and Component-to-Tool interactions.

- **Increased assembly throughput 30% with maximum efficiency** by standardizing assembly process.
- **Maximized floor space usage and optimized factory outlet** by creating 3D Digital Factory via Factory CAD.
- **Revitalized team performance in Detroit location within 1 month** via coaching.
- **Elevated CSAT scores 40%.**

Identified process gaps, reported quality trends, and drove recommendations to boost CSAT 40%

Fostered new Product Development and Virtual Manufacturing projects

EDUCATION & PROFESSIONAL DEVELOPMENT

Bachelor of Engineering (B.Eng.), Mechanical Engineering – York University, Toronto, ON

Project Management Professional (PMP) – Project Management Institute (PMI)

Six Sigma Green Belt – Six Sigma Association