PHONE
(601) 620-8613

EMAIL
K.Lillie@LanKorra.com

WEBSITE
www.LanKorra.com

Growing up in Conneaut, Ohio on the shores of Lake Erie was fun and exciting. My summers were filled with fishing in the local rivers and Lake Erie, or biking for miles just enjoying the views. My winters were filled with hunting a variety of animals from Turkey, Rabbit, Squirrel, to Deer.

Something which kept me busy was restoring several antique cars over the years. The newest project will be the 1934 Ford Delivery that will roll in soon.

I now reside in the beautiful mountains of North Carolina with my wife Lisa. I've raised 2 sons and have one grandchild; and Lisa raised 2 daughters and has 7 grandchildren.

My wife and I stay busy with 3 Belgian Shepherds, the business, and our homestead. We grow just about everything common in the garden and spend many days canning the fruits of the harvest.

Maybe one day I'll retire, maybe.

SUMMARY

I present to you an outline showing my 40 years of proven skills in planning, directing and handling multiple projects. Highly experienced in directing internal and external resources. Adept at communicating, project milestones, goals and results to a team or stakeholders using Power Point and other graphic tool. Managed multiple projects in Automotive, Residential Construction, Manufacturing, Lighting, and Military. Earned a Six Sigma Green Belt in Lean Manufacturing and Project Management studies.

WORK HISTORY IN

SMC Sheet Molding Compound – BMC Bulk Molding Compound
SMC Machine Design and Process Development
SMC Process Automation
SMC Machine Bulk Handling Systems
SMC / BMC Manufacturing Processes
Application development of commercial products
Market Research Studies for new product development
Analytical Problem-Solving skills
Development and Implementation of process controls
Tactical Planning and Training Programs
Part and Product Consolidation skills
Compression and Injection molding, Vacuum Infusion, Hand Lay-Up, and Chopped Fiberglass Processes
Automotive Injection and Compression Molding
Large Panel Compression Molding in SMC and BMC
Process and Automation Modeling
Raw Material and Vender selection for SMC and BMC production
Carbon Fiber SMC Production and processes

EDUCATION

Lake Erie College, Painesville, Ohio - Bachelor of Science, Wharton, Philadelphia, PA - New Product Introduction and Development
Kent State University, Ashtabula, Ohio – Associate's Degree Mechanical Engineering Technologies
Bucher Stokes Injection School, Camden, N.J. - Certificate in Maintenance and Operation
Certified Six Sigma Green Belt

25+ YEARS OF WORKING KNOWLEDGE

SMC, BMC and TMC Manufacturing technology, processes, and formulation design, used in the Automotive Headlights and Body Panels, Heavy Truck, Construction, Electrical and Sanitary Market.
Expert in SMC and BMC product and mold design
Have the know-how skill set to identify critical Raw Material cost structures, implement new Raw Material(s), and formulate cost reductions in areas such as pigmentation, viscosity, reinforcement types and contents.
Designed and assisted in the development of SMC Machine Process Lay-outs for Composite SMC manufacturing from 2 million to 49-million-pound production process.
Worked through multiple vendors and process to develop a Bulk Handling & Dispensing System for the dry components for SMC production.
Designed layouts for Bulk Tank Farms for SMC site production.
Wrote and Issued 100 Operational SOPs for Compression Molding.
Technical Advisor to Guide, in Anderson IN for Injection Molded Spoiler and End Cap assemblies.
Authored 30 Plus Laboratory Operating Procedures for testing SMC and BMC finished products
Authored 2 SMC and BMC Compression Process and the Trouble Shooting Manuals
Authored an Injection Molding Design Guide for Injection Molding BMC Headlights.
Authored an Injection Molding Trouble Shooing Guide and Matrix Wheel.
Published a Forward Lighting Tool and Process Design Guide.
Published a Low Temperature - Low Pressure Process Manual for Optor® SMC Molding Compounds.
Published a “Problem Solving Methods” Guide; designed to train employees in the methodology of problem solving.
Facilitated a Fisher Guide Turnkey Program for automotive Forward Lighting Equipment, molds and design of parts
Established vender relationships for Unsaturated Polyester Resin, Calcium Carbonate, ATH and Clay filler, Viscosity Additives, Thickeners, Pigment, Glass Fiber and other Raw Materials used in the production of SMC and BMC.
Material and Technical Adviser to General Electric - Puerto Rico. Injection Molding residential Circuit Breaker Division
Materials and Technical Adviser to Cutler Hammer Manufacturing facilities in Puerto Rico for process and cost improvement programs for Injection Molded BMC.
Technical advisor to Hosan Group, South Korea for “UBR” Unitized Bathroom Systems process for large scale hotels.
Developed international supply sources in, Mexico, Japan and South Korea for Injection and Compression Molding Head Lights, Bath and Shower units and Fiberglass Door Skin production.
Developed and approved SMC and BMC, Raw Materials for duplicate production of US goods in South Korea, Japan and Mexico. Led Value Stream Mapping processes for capital needs with multiple companies.
Trained and mentored employees in the Six Sigma Process to achieve their Green Belt Certifications
Design, Develop and Implemented programs to streamline production flow and build improved quality and reliability levels into production processes.
Achieved significant head count reduction through improvements in the productivity and by adding robotic automation equipment.
Authored a Plan for Control Process and Documentation used in the Value Stream and Process Flow mapping.
Executed P-PAP documents for first piece inspection, PFMCA’S, and ISIP requirements in Automotive and non- automotive processes.

40+ YEARS OF EXPERT KNOWLEDGE

Multiple Manufactures of SMC Machine Design, Repair, Upgrade, and Rebuild for Machine Manufactures such as EB Blue, Brenner, Finn & Framm, and Schmidt Heinzmann SMC Machines
Technical design knowledge and capabilities in optimizing
Glass Chopper Height and Glass Drop Design
Fiber Glass Rack design and Fiber Glass Flow process
Doctor Box and Blade design including best fit construction materials
High Speed Carrier Film Change Over System
Compression Cot-Roll Shore Hardness
Stainless Steel and composite compaction belt utilization
Festoon Packaging process
Designed and implemented a new pump system with a Waukesha Pump for fast pump exchange on SMC Machines.

SAFETY

Reduced Workman Compensation costs and safety issues each by 20% with employee educations and training programs.
Designed and implemented safety training, cross training and employee rotation processes that reduced safety incident by 70% in 2 years, while achieving a Safety TIR rate of .01% with no recordables for 5 years in a row, within a 200 Employee Manufacturing environment.

QUALITY

Developed and executed 3,700 hours of employee training related to Cost of Quality.
Developed Methodology and processes to reduce customer return PPM by 1000% in door skin manufacturing.
Developed and Implemented Quality policy utilizing process improvements in equipment, process, stabilization of work force, job enrichment, training, and positive discipline programs.
Built process to reduce defective product returns utilizing D-FMEA and P-FMEA processes.
Formulated a Customer Maintenance and Repair Program for SMC Machines based on OEE and quality rejection rate.
Lead Team member DFMEA and PFMEA programs for new products.
Continuous Improvement – achieved a Six Sigma Green Belt with Project Management training.
Developed systematic career development programs in areas related to General Educational Deferment, secondary Education and Behavior Skills Designed to increase their confidence and productivity.

TOOLING

Developed first commercial composite tooling for SMC, opening up opportunities in low and mid volume applications for compression molding.

Can operate a Williams White, Macrodyne, Dieffenbacher, Wabash, and other Compression Mold Presses.

Can operate a Bucher, New Brittian, Hull Cincinnati Milacron Strokes, Vandorn, and other Injection Molding Machines.

Redesigned a window tab design for the open molded door market. Reduced weight by 8.3% and met all Florida Impact and HVHC requirements.

Modified a David Wolf Air Poppet design to improve reliability in Compression Molding.

Designed special Stainless-Steel heating and cooling circuit for specialized Compression Molding in the medical field.

Designed an Automation Maintenance Program for TPM for SMC Automated Cutting Cells

Authored a Robotic Automation - Preventive Maintenance and Service Program

Designed a Fully Automated SMC Compression Molding Cell for the SMC Door Skin Manufacturing Process

Developed a 4-Cell Automated SMC Door Skin Trim Process, designed to trim large SMC panels.

Set up a TPM System for the Designed Continuous BMC product equipment.

Authored a TPM maintenance and repair program before failure and the replacement process.

Compiled and analyzed a U.S. Industry Market Study on Thermoset Plastics.

Developed a US Market Study for Compression molded SMC Ceiling Tiles.

Developed a US Electrical Market Study for SMC in Electrical equipment.

Developed a US Market Study for SMC garage door panels and Construction process.

Developed the first commercial Composite Mailbox and Door Skin applications in SMC

Developed first Commercial Fiber Glass Door Skin SMC in 1985 for Cell Co Doors

Directed and managed over 500 new product launches for GM, Chrysler Headlights and Exterior Door facing products

Awarded Merit of Recognition from Armstrong World Industries for development of compression molded commercial floor tile material.

Developed first High Gloss Thermoset SMC Sanitary Ware material for the Bath and Construction Market.

ON THE JOB TRAINING

Internal Training and Certificates Facilitator

Team Leader, Leadership

PPG 2000 Sales Training

Plant Productivity

National Labor Relations Training

Incident Investigation Training

Problem Solving Techniques

Fire Command Training

1996 Command Post Certificate

Project Estimation Planning and Reporting

Plant Management skills

Safety Coordinator Training

Project Management

Workflow Planning

Work Breakdown Structure

Risk Mitigation process

SMC Formulation and Design

Compression and Injection Molding Tool Design