



MORADIAN ENGINEERING, LLC

KEY DIFFERENTIATORS:

Mission to "Achieve Excellence Through Continuous Innovation in Engineering"

Lean Six Sigma Black Belt

Lean Manufacturing and Mechanical Engineering experience across Automotive, Rail, Transportation, Energy, Medical, Consumer Goods, Government, Military, Land Surveying, Architectural and other industries

Certifications: MTM, Ergonomics, Electrical Maintenance, Product Engineering Excellence, Lean Manufacturing, Production Systems

Fluent in Spanish and English

Training and Mentoring Capabilities for All Levels of Engineering

Capability Statement

COMPANY & CONTACT INFORMATION

Business MORADIAN ENGINEERING, LLC

Headquarters KNOXVILLE, TN

Locations KNOXVILLE TN, NASHVILLE TN, LOS ANGELES, CA

DUNS 80787847

CAGE 7WTY2

NAICS 541330

SIC 87110202

Christopher Moradian- President

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<http://www.moradianeng.com>

CORE COMPETENCIES

Engineering Design and Detailed Drafting:

Mechanical engineering product development, specification compliance, 2D/3D CAD modeling and design, design for mfg, finite element analysis

Product Development:

Value engineering design for small components to large structures, equipment design, plant refurbishment and redesign, reverse engineering, new product design, design solutions for existing processes and operations. Moradian Engineering develops the best possible engineering solution to meet clients' needs

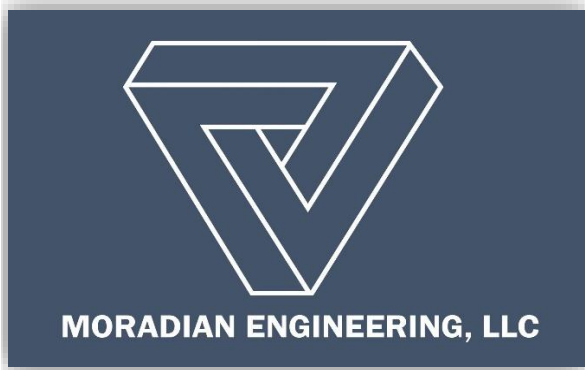
Lean Manufacturing Deployment and Program Management Support:

Alignment of business and operational/engineering strategies; executive adoption; facilitation of organizational change

Operational Project Leadership, Consulting, and Mentoring:

Identification of highest strategic impact projects to improve customer satisfaction and reduce operating costs; we help you tackle operational challenges with a rigorous, structured, data-driven approach

AutoCAD, SolidWorks, NX, Inventor, CNC, Microsoft Office, Visio, ISO 9001, ISO 13485, TS 16949, TPS, TPM, MTM, Ergonomics, VSM, Six Sigma, Project Management, Reliability & Maintainability, Fabrication/ Metal Forming, Rapid Prototyping, PFMEA, FMEA, PPAP, APQP, Lockout/ Tagout, LEAN Manufacturing, SOP, ERP, SAP



Capability Statement

CURRENT/PAST EXPERIENCE

BS Mechanical Engineering from the University of Tennessee, Knoxville

Lead product re-design initiative for start-up appliance company abroad. Established continuous improvement process for standardization throughout factory. Developed shop-floor management and value stream mapping workshops specific to business needs. Resulted in 20% reduction in lead time and maximizing yield on assembly lines.

Provided leadership in a high-volume manufacturing operation. Directly supervised 12 hourly operator and mechanic associates. Managed metrics for improvement in quality, inventory and maintenance. Established a standard TPM program to run and deployed throughout maintenance department within 80% participation. Resulted in 25% inventory spare parts reduction and improved maintenance response time to within 7 mins for all issues. Sustained maintenance and PM improvements through TPM program.

Led a supply chain management initiative in Energy Automation Industry utilizing departments of production and logistics. Utilized current ERP for level loading and true kanban implementation throughout value streams resulting in wip reduction savings of \$1MM. Eliminated storage and reduced stock to 8 hours. Wip reductions as high as 50%.

Chartered and led factory wide production MES and fabrication optimization software project resulting in \$500,000 savings within the first year. Integrated ERP system with all plant machinery and manual down-stream processes for data collection and traceability.

Product Development for consumer goods company in the US. Successfully developed idea concept and translated into a working 3D CAD model for planning and development. Integrated all mechanical components to ensure compatibility and integration with electrical components. Sourced all materials and vendors to establish BOM for use in production.

Support multiple land surveying and architectural firms in completing detailed drafting. Maintain on-going work partnership to draft redline drawings and detail all designs to be in compliance with various City and County Planning departments for residential subdivisions and commercial structures and land plats.

Worked with start-up in developing patented product maturity through development phase. Detailed roadmap for full development life cycle including validation & testing, quality, supply chain and start of production. Completed prototype and production phases on time and under budget. Developed design through product engineering excellence methodology and using SolidWORKS 3D modeling software to simulate and analyze components