



HAGERMAN & COMPANY<sup>®</sup>

WOMEN  
OWNED<sup>™</sup>



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## Manufacturing Consulting & Controls

*Optimization and sustainability drive profits in manufacturing, and our team of experts deliver both. Drawing on years of real-world factory experience, we can uncover the potential, design the solution, and implement the changes to improve virtually any aspect of the manufacturing process.*

### Manufacturing Consulting

- **Manufacturing operations assessments and optimization** – Utilize LEAN principles and a systems approach to maximize operations regarding design, supply chain, scheduling, production, maintenance and safety.
- **Safety assessments and solutions** – Systematic examination of a process to identify risks of human injury. Once identified, a determination is made of necessary control measures to reduce the risk to an acceptable level.
- **Controls system design, upgrades and integrations** – Used to operate and/or automate processes, providing centralized monitoring and control for numerous process inputs and outputs.
- **Industrial network design and security** – Develop independent manufacturing networks, enabling the safe flow of data with company enterprise networks.
- **Asset management** – Increase uptime, extend equipment life and lower inventory costs. Utilize work order tracking, scheduling features to improve workflow and management of all preventative maintenance work and service requests
- **IOT Asset Management** – Real-time visibility through remote monitoring and analysis leads to a more proactive maintenance approach. Proactively schedule and track work orders, see increased uptime and create more reliable equipment with greatly reduced costs.
- **Manufacturing facility planning and layout** – Ensure an optimized flow of work, material, and information throughout the facility, maximizing the effectiveness of the production process.
- **Facility energy management (FEM)** – The use of thermal simulation to analyze airflow in building design to optimize controlled environments, results in advanced energy usage analysis and significant cost reductions
- **Inventory optimization and management** – Balancing the carrying costs of inventory across multiple SKU's.

### Controls and Integration Experts

We specialize in linking various IT systems, software and plant equipment, while enabling them to functionally collaborate in automating manufacturing processes.

- **Control panel design, PLC & HMI programming and the production of control panels** – UL 508A Certified
- **Control systems backup, restore, and disaster recovery** – Ensure a rapid recovery of the control system from any disaster; whether caused by cyber, natural or human-error incidents.

A History of Success

EXPERT GUIDANCE. EFFECTIVE IMPROVEMENT.