

SOLUTION

Digital Solutions

The Strength of Experience. The Power of Digital.

Does your organization struggle with:

- Harness existing data and systems to pinpoint real-time improvement opportunities and accelerate ROI from operational and supply chain technologies.
- Ensure consistent daily management, standardized problem-solving, and reduced variability in operational initiatives.
- Create a unified view of key performance indicators directly aligned to leadership action plans.
- Achieve faster, sustainable improvements in safety, quality, on-time delivery, productivity, and lead-times.

With the TBM approach you will:

- Develop a systemic approach to operational technology enablement that drives consistency in leadership and daily management practices.
- Accelerate performance improvements in safety, quality, on-time delivery, and productivity through value-added technology adoption and sustainment.
- Leverage data-driven insights to align key performance indicators, strengthen problem-solving, and create a unified, real-time view of operational performance across the organization.
- Maximize ROI from operational and technology investments through enhanced adoption and sustained operational initiatives.

Modern manufacturing's complexity and competitive demands make digital tools essential for tackling challenges, driving improvement, and boosting throughput. Our consultants help implement these tools to accelerate performance and ensure lasting results.

Digital Management System: The TBM Management System is now fully digital, delivering our proven tiered methodology with greater speed and clarity. It accelerates decisions, standardizes leadership routines, and improves engagement through shared performance visibility. With AI-driven insights, IoT monitoring, and automated visual boards, daily operations become more proactive and consistent.

Digital Facility Design: We combine advanced technology with deep operational expertise to optimize factory layouts. Using virtual design and planning tools, we test and validate layouts before implementation—identifying bottlenecks, analyzing throughput, and optimizing line speeds, cycle times, and changeovers. The result: a smarter, more efficient, and highly productive facility.

Process Simulation: Our consultants use advanced simulation technologies and 3P/2P methodologies to design and optimize processes. We model complex systems, uncover throughput opportunities, and evaluate ROI on equipment, technology, and staffing to help manufacturers improve efficiency and profitability with confidence.

Digital Resource & Line Balancing: We pair manufacturing expertise with advanced line balancing tools to eliminate workflow imbalances, optimize workloads, and model “what-if” scenarios that increase throughput and utilization. The result is smarter planning and tangible improvements in efficiency and productivity.

Data Analytics, AI & Machine Learning: TBM applies advanced analytics and AI to identify constraints, accelerate decisions, and deliver measurable performance gains. Our blend of digital intelligence and operational expertise improves flow, increases throughput, and enhances financial results quickly.

We leverage cutting-edge technologies to address a wide array of issues, including production inefficiencies, cost overruns, equipment downtime, suboptimal factory layouts, and volatile market demands.

Digital Transformation Results

LAWN EQUIPMENT COMPANY

Company Leverages AviX Technology for Line Balancing and Scheduling, Achieving Multi-Million Dollar Savings

- Rebalanced the line to reduce staffing by 9 roles
- Provided alternative approach to accommodate growth that would increase output by 275 units per shift with the same staffing level
- Labor reductions (FTEs) of 10-15%
- Hourly productivity improvements up to 24%

GLOBAL MANUFACTURER

Company Standardizes Processes with AviX, Achieves \$4.7MM Savings, and Fuels Growth

- Implemented digital standard work, and manufacturing basics
- 675 standard work documents created
- 30% productivity improvement across business units
- \$16MM in growth enablement

BRICK AND STONE MANUFACTURER

Company Uses RiverLogic Network Optimization tool, and Identifies \$4-6 Million in Improvements

- Identified \$4-6 million in savings with high confidence
- Identified 2 nonperforming facilities in the region for shut down
- Identified distribution model changes and inventory reduction candidates

Our Digital Solutions Practice empowers manufacturers to leverage digital solutions, enabling the creation of more agile, efficient, and responsive production environments. By implementing these advanced tools, we help drive significant enhancements in productivity and profitability, giving our clients a competitive edge in today's dynamic industrial landscape.

TBM Developed Apps & Technologies We Work With



Real-time factory floor tracking with an AI-driven data assistant, giving leaders instant insights to act faster on performance improvements every hour of every day.



A web-based platform that digitalizes and automates Leader Standard Work, giving leaders real-time visibility into task completion, team activity, and ensuring daily accountability across the organization.



An AI-powered coach that analyzes operational data to spot issues. Connects patterns to Lean methods, and delivers clear insights and actions to deliver faster problem-solving.



A digital visual management platform designed to support Lean, Agile, and collaborative work practices across distributed teams



Tools for analyzing and optimizing design and manufacturing processes, with a strong focus on lean production, engineering, productivity, and continuous improvement.



Simulation software to model, simulate, analyze, and optimize real-world processes. Create digital models of operations and logistics systems to test changes and make decisions without real-world risk.



The Strength of Experience.
The Power of Digital.



Speed wins every time.

TBM specializes in operations and supply chain consulting for manufacturers and distributors. We accelerate operational performance to make you more agile and help you accelerate business performance 3–5x faster than your peers.



Follow us

