

SOLUTION

# Technology

Digitally Transform Operations & Supply Chain. Accelerate Performance.

## Does your organisation struggle with:

- Using data and technology to identify real-time improvement opportunities
- Maximising ROI from operational and supply chain technologies
- Ensuring consistent daily management practises by leaders
- Standardising outcomes and reducing variability in operations
- Achieving faster results and shortening lead times
- Align key performance indicators with actionable plans
- Systemising problem-solving and corrective actions
- Sustaining improvements in safety, quality, delivery, and productivity

## With the TBM approach to digital transformation, you will:

- Build a systemic approach to technology in operations and supply chain
- Boost safety, quality, delivery, and productivity with value-added technology
- Improve adoption and sustainment of operational initiatives with digital tools
- Use data to align KPIs and enhance problem-solving
- Maximise ROI from operational and technology investments
- Provide real-time operational insights with digital dashboards
- Ensure standard leadership practises with technology-driven daily management

## In a world where innovation is the key to staying ahead, embracing technology is no longer an option—it's a necessity.

By integrating cutting-edge technology into your operations, we pave the way for sustainable productivity gains, foster a data-driven decision-making culture, and achieve long-term customer satisfaction with remarkable efficiency. Our consultants help implement digital tools to accelerate performance and ensure lasting results. Here's how:

**Digital Management System:** Our tiered management system accelerates results with data-driven decisions and rapid problem-solving. It enhances leadership consistency through standard work and boosts team engagement with a shared view of key performance indicators. Leaders benefit from advanced training, AI insights, and collaboration tools, while daily management integrates IoT monitoring, predictive analytics, and automated visual boards for proactive, efficient operations.

**Digital Facility Design:** We leverage advanced technology and operational expertise to optimise factory layouts. Using virtual platforms, we test and validate designs to meet production goals, identifying bottlenecks, analysing throughput, and optimising key variables like cycle times and changeovers. The result is a smarter, more efficient, and highly productive facility.

**Process Simulation:** Our consultants utilise advanced technologies for process simulation and optimisation, empowering manufacturers to confidently improve efficiency and profitability. We incorporate 3P and 2P methodologies, enabling the design and refinement of processes. We model complex systems, identify throughput opportunities, and evaluate ROI on machinery, technology, or staff investments.

**Digital Resource and Line Balancing:** Our expert consultants optimise manufacturing operations with technology tailored for resource management and line balancing. They help improve processes, maximise equipment use, reduce downtime, and boost efficiency. By enhancing line balance, prioritising ergonomics, and refining products, we ensure smoother, more productive workflows.

**Data Analytics, AI and Machine Learning:** We partner with manufacturers to digitise operations in alignment with their unique business needs and goals. By leveraging AI, data analytics, and machine learning where it matters most, we drive operational excellence with speed.

## 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
- Labour reductions (FTEs) of 10-15%
- Hourly productivity improvements up to 24%

### GLOBAL MANUFACTURER

#### Company Standardises 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 Optimisation 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 Technology Practise 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.

## The TBM Approach to Digital Transformation

### Assessment & Planning



Conduct a comprehensive evaluation of your current operations and supply chain processes to identify areas ripe for technological enhancement. Craft a detailed implementation roadmap that outlines the technologies to be adopted, along with clear timelines and resource allocation.

### Seamless Integration & Training



Ensure smooth integration of new technologies with your existing systems. Empower your team with the skills and knowledge they need through comprehensive training programmes, ensuring they are equipped to leverage the new tools effectively.

### Continuous Improvement

Establish a culture of continuous improvement by implementing mechanisms for regular monitoring and feedback. Encourage your workforce to suggest and implement innovative solutions, driving ongoing enhancements.

## Technology Partners We Work With:



**Digitally Transform Operations & Supply Chain.  
Accelerate Performance.**



## Speed wins every time.

TBM specialises in operations and supply chain consulting for manufacturers and distributors. We push the pedal down in your operations to make you more agile and help you accelerate business performance 3-5x faster than your peers.



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