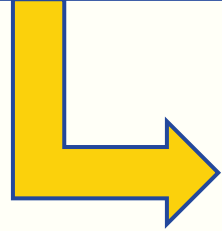


Digital Transformation in Manufacturing



It's a **journey**, not a destination



By LSI – Your Partner in Operational Excellence

Why Digital Transformation Matters

Modern manufacturers face **growing complexities**:

Unstable Supply Chain

- ≡ Global disruptions and limited visibility create unpredictable lead times and inventory challenges

Workforce Shortages

- ≡ Aging labor forces and a lack of skilled talent strain operational capacity and knowledge retention

Margin Pressure

- ≡ Rising input costs and market volatility make it harder to maintain profitability without efficiency gains

Rising Compliance Demands

- ≡ Increasing scrutiny around safety, sustainability, and traceability requires better data governance.

Winning in this environment requires more than automation.

It demands **data-driven decision making** powered by integrated people, process, and technology that adapt in real time.

Why So Many Initiatives Fail

70% of Digital Transformation Efforts **Fail** (McKinsey)

WHY?



Poor adoption at the plant floor



The #1 Reason

Misalignment with people and process – failure to achieve buy-in from your operators, technicians, and engineers who use the tools



Disconnected legacy systems



Technology-first thinking without a business case



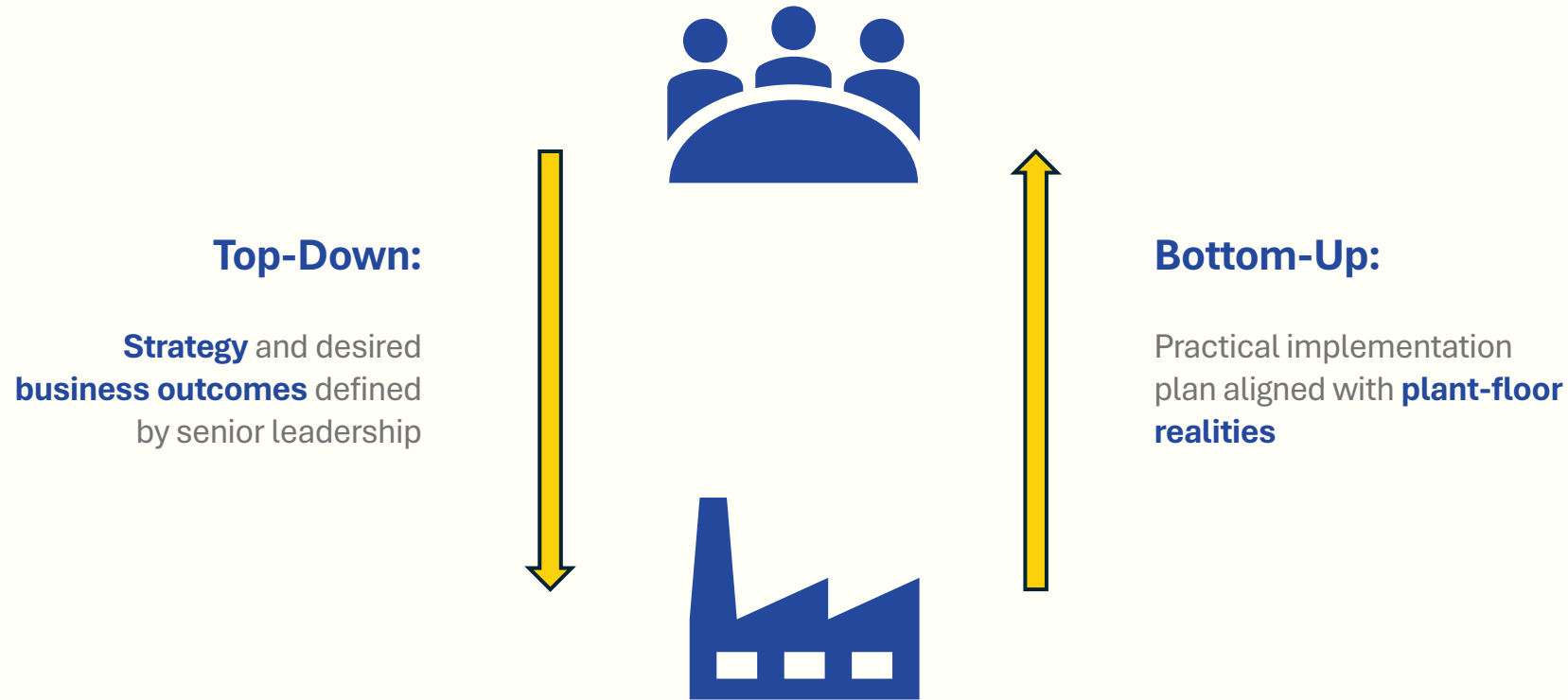
Misalignment between IT, OT, and leadership



Resistance to change

LSI's **Real-World** Approach

At LSI, we combine top-down **vision** with bottom-up **execution**:



This dual-lens approach ensures your transformation is **strategic**, **grounded**, and **scalable**; not just theoretical

The 8 Stages of Transformation

Our **framework** expands on leading methodologies (like those from 4.0 Solutions) to reflect **real-world challenges** manufacturers face:

- ① **CONTROL** – Build the procedural or automation and instrumentation foundation
- ② **CONNECT** – Establish secure, scalable data pathways from all data sources, devices, or applications required for the use case
- ③ **COLLECT** – Capture accurate data from required sources, based upon the use case that you are trying to implement
- ④ **MODEL** – Normalize and contextualize the collected data. Ensure cross-functional buy-in for the model and context to be used

The 8 Stages - Continued

- ⑤ **STORE** – Organize and centralize data (transactional and/or time-series) and make accessible
- ⑥ **VISUALIZE** – Develop intuitive visual insights. Provide information-at-a-glance to the right people, at the right time, in the right way
- ⑦ **ANALYZE** – Identify patterns and opportunities, move from descriptive through to prescriptive based on need and impact
- ⑧ **OPTIMIZE** – Enable and expand real-time and continuous operational improvement

Every stage of transformation requires **balance** across four dimensions:

Leadership Vision

- ≡ A clear, outcome-driven strategy from the top ensures alignment, funding, and long-term commitment

Empowered Workforce

- ≡ Engaged operators and engineers drive adoption when they understand the value and feel their ownership

Mature Processes

- ≡ Standardized, optimized workflows provide the structure needed for scalable improvements

Scalable Technologies

- ≡ Flexible, interoperable systems lay the foundation for real-time insights and future growth

But none of it works without **adoption**.

We focus on delivering value that's **understood** and **embraced**, not just installed.

Our Digital Transformation **Services**



Our services are **tailored** to meet your specific needs, and designed for painless navigation of every stage of your journey, from **concept to value**:

Digital Transformation Roadmapping

Assess current maturity, define future-state vision, and build a business-aligned, ROI-driven roadmap

Transformation Management

Align stakeholders, drive cross-functional collaboration, and ensure project momentum

Pilot Project Development

Quickly prove value with focused deployments that demonstrate measurable ROI

Scale-Out Services

Standardize architecture, tools, and deployment strategy for multi-site or enterprise rollouts

Continuous Improvement and Adoption

Drive sustainable results through training, metrics tracking, and iterative optimization

Explore our DTx Services here:

[Digital Solutions | Logical Systems, LLC](#)

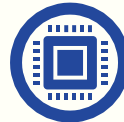
Foundational Support

While our DTx team focuses on digital transformation **strategy** and **enablement**, success often hinges on a modern and reliable **Industry 3.0 foundation**:

Within LSI, we bring this **full ecosystem** to life under the same roof. Ensuring that **Industry 4.0** isn't built on a shaky foundation



Industrial automation and controls



Electrical design and panel fabrication



Process design and fabrication



OT Networks and cybersecurity

Ready to Start **Your Journey?**



Transformation isn't a sprint, it's a journey. One that is **guided by vision, grounded in reality**, and **measured by results**.

Let's talk about where you are and where you want to go...

www.logicalsystinc.com

#DigitalTransformation

#SmartManufacturing

#Industry4.0

#OperationalExcellence