

# OPTIMIZE PRODUCTION WITH KANBAN SYSTEMS

**A KANBAN SYSTEM** is a just-in-time (JIT) inventory control system designed to manage and optimize supply chain and production processes. A Kanban system utilizes visual signals, often in the form of physical cards (though digital systems are also common now), to trigger the production and supply of components only as they are needed. The primary objectives of this system are to reduce excess inventory, eliminate waste, and improve process efficiency by addressing problems related to overburdening of resources, uneven workflow, and lack of transparency in work processes. By highlighting the status of production activities and allowing for adaptability in the process, Kanban aids teams in achieving a more balanced and consistent output, ensuring that resources are neither idle nor overwhelmed.

## POTENTIAL BENEFITS

- **Reduce Inventory Levels by up to 30%:** By optimizing the amount of work in progress, companies can significantly reduce their inventory costs.
- **Decrease Lead Time by 50-70%:** Kanban systems help in the rapid identification and elimination of bottlenecks, resulting in faster production cycles.
- **Increase On-time Deliveries by up to 95%:** With better predictability and streamlined processes, manufacturers can significantly improve their delivery timelines.
- **Reduction in Defects by up to 60%:** Kanban enhances visibility across the production line, making it easier to spot and correct errors early in the process.
- **Boost in Production Throughput by 20-40%:** A smoother, more predictable workflow can lead to increased capacity and production throughput.
- **Decrease in Overproduction by up to 80%:** With real-time demand visualization, manufacturers can produce only what is needed, leading to a considerable reduction in overproduction.
- **Savings in Storage Costs by 25%:** Reduced inventory levels mean less need for storage space, leading to significant cost savings.



## WHY PARTNER WITH TMEP?

### Unmatched Expertise:

Leverage our deep understanding and experience in implementing Lean methodologies across a wide range of industries.

### Customized Solutions:

Every manufacturer is unique. We ensure that our solutions are tailored to your specific needs and challenges.

### Measurable Results:

Our commitment is to drive tangible improvements, enhancing both efficiency and profitability.

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