



Technology Case Study

Business Problem:

Global Manufacturer Seeks to Improve Operational Efficiency and Reduce Production Delays Across Key Assembly Lines.

VERTICAL:  Technology

MARKET:  Industrial

NLP SERVICES:  Lean Transformation

CLIENT

A global leader in power and infrastructure solutions supporting data centers, telecommunications, and industrial applications was facing mounting operational challenges at one of its U.S. manufacturing sites. Despite strong demand and a well-established market presence, the facility was constrained by inefficient processes, production bottlenecks, and inconsistent performance across shifts. Excessive overtime, high labor costs, and missed delivery targets were eroding profitability and customer confidence. Leadership recognized the need for an operational transformation that would stabilize output, enhance visibility, and establish a foundation for sustainable growth.

APPROACH

A targeted Lean Transformation initiative was launched to stabilize production, increase throughput, and improve delivery performance. The engagement began with a Value Stream Mapping session to analyze the current state, identify bottlenecks, and prioritize high-impact improvement opportunities. In addition to process improvements, NLP helped design and strengthen the client's internal operating system. We assessed operational maturity, coached leaders on daily Gemba and problem-solving routines, and built capability to sustain Lean Daily Management long after the engagement concluded. From there, a roadmap of focused Kaizen events was developed to address workflow imbalances, optimize material flow, and strengthen

leadership engagement on the shop floor.

NLP Practitioners partnered closely with local leadership to introduce Lean Daily Management practices, helping teams visualize performance, identify issues in real-time, and strengthen problem-solving capabilities. Standardized work and visual management tools were implemented across key process areas to ensure repeatability, accountability, and sustained improvement.

By engaging employees directly in diagnosing and solving problems, the transformation built ownership at every level, aligning operations around measurable results and creating a foundation for long-term success.

RESULTS

- **Productivity Increased by 25% through optimized workflows and balanced work distribution across shifts.**
- **On-Time Delivery Improved by 30%, restoring customer confidence and reducing expedite costs.**
- **Labor Efficiency Improved by 20%, lowering overtime and stabilizing production schedules.**
- **Quality Defects Reduced by 35% through standardization and enhanced operator engagement.**
- **Leadership Alignment Strengthened, with daily performance reviews and problem-solving routines.**
- **Capacity increased 21%, freeing up room for growth without adding capital equipment**