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19-3 Robust Manufacturing Process Optimization SERV-040 Production Performance Optimization

Positioning

A structured continuous improvement service designed to maximize productivity, quality, and efficiency of existing production operations.

Objective

- Improve yield
- Reduce defects
- Increase throughput
- Reduce production costs
- Stabilize manufacturing performance

Production Audit

- Process analysis
- Performance assessment
- Bottleneck identification
- Data collection

Optimization Activities

- Cycle time reduction
- Parameter optimization
- Material utilization improvement
- Equipment performance enhancement

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Advanced Analysis

- Statistical analysis
- SPC evaluation
- OEE improvement
- Root cause analysis

Deliverables

- Optimization Report
- Action Plan
- KPI Dashboard
- Cost Reduction Analysis
- Improvement Roadmap

Added Value

- Lean manufacturing approach
- Data-driven decision making
- AI-supported analytics
- Cross-process expertise

Typical Results

- Higher throughput
- Lower scrap
- Improved OEE
- Reduced downtime
- Better consistency