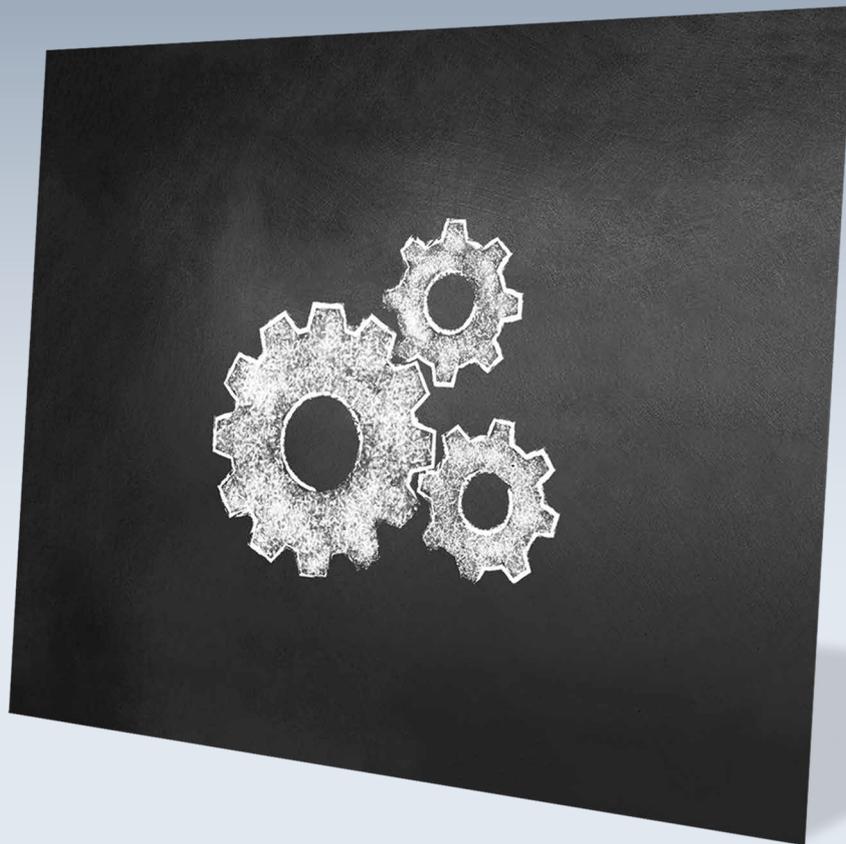


# PRODUCTION LINE OPTIMISATION

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CASE STUDY

*“Our projects are closely production orientated and almost always involve the introduction of measures that make methodical change management indispensable.”* (StingOrg)

## We will increase your output rate!

You want to dramatically improve the output quantities of your production lines and stabilise production processes.

When a production line fails to achieve the expected output rate, it can virtually always be traced back to the same root causes. We have analysed countless processes and determined them:

- Workload isn't evenly balanced across all workstations.
- The production department wasn't involved early enough in developing the production line.
- Whilst activating the line, changes arose that were not previously recognised.
- There are organisational restraints that impede true problem solving.

### What we do for you

We support in such situations by cooperating with you to introduce measures into your company that increase production output even after a relatively short period of time. This is achieved whilst also minimising resource usage and improving product quality. This is thanks to our simple but effective methodology that has been proven effective time and time again.

### Benefits for you

- With our help, you can plan for and resolve delivery bottlenecks quicker and more effectively, thus avoiding further conflict with clients.
- We actively involve your employees and show them how to maintain long-term success.
- Our analyses also demonstrate to your employees how they themselves can apply our methodology elsewhere in your business.
- We anchor our methodology in your culture in such a way that you can also achieve considerable savings in other areas of your business.

Initially, our goal is to convince you of our expertise. For this reason, we offer cost-effective situation analyses. Only when you are already benefiting from the optimisations need you invest. Our methodology will remain anchored in your company long after our initial optimisations, meaning you enjoy the payoff of our involvement many times over.



## 80% Increase in bearing shell production output

An illustrative project overview from our practical experience

### Project Goals

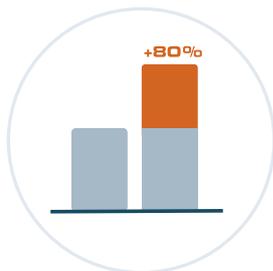
- ▲ Increase output quantity of each production line
- ▲ Stabilisation of production processes

### Project Content

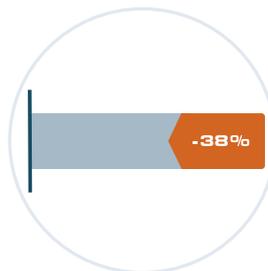
- ▲ Production analysis using detailed malfunction and incident documentation
- ▲ Analysis of facility problems
- ▲ Systematic employee qualification through training and coaching
- ▲ Introduction of a standardised work approach
- ▲ 8D methodology for systematic problem solving
- ▲ Creation of a shop-floor management system

## Results

Our project together resulted in considerable improvements:



**80% Increase  
in output**



**Reduction of machine  
downtime by 38%**



**Complete elimination of  
weekend shifts**



**Peak workloads processed  
without overtime**

## Project Flow: Production of Bearing Shells for an Automotive Supplier

### 1. Measurement



- ▲ Observe wastage and disturbances on the shop floor
  - Daily on-site observations of the line
  - Recording of all events
  - Short summary at the end of the first week
  - Entire project team presentation concerning further project progress

### 2. Analysis



- ▲ Analyse and track problems
  - Disturbance notes and activity board
  - Meeting of top 5
  - Downtime analysis tool

### 3. Implementation



- ▲ Implementation of short-term and mid-term measures for problem-solving and standardisation
  - Continuous analysis of downtime, as well as definition and implementation of corrective measures
  - Refocusing on shop-floor management
  - Weekly review (long-term actions)

### 4. Improvement



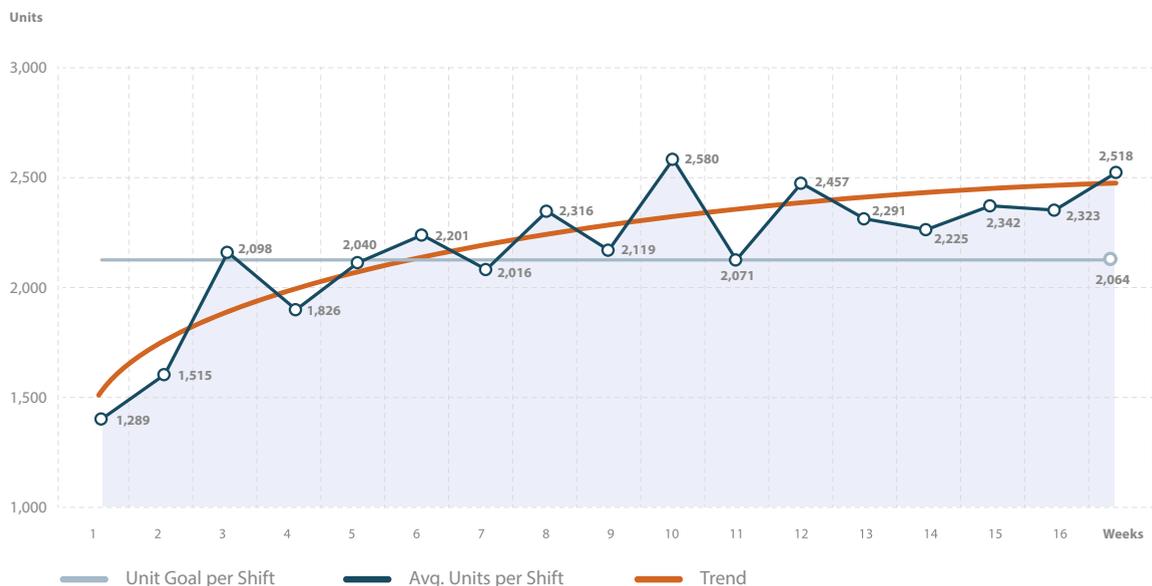
- ▲ Continuous measurement of both improvements and adherence to the new standard
  - Continuation and consolidation of the shop-floor management system
  - Execution of SMED and TPM workshops
  - Implementation of long term actions
  - Systematic employee qualification

### 5. Handover and Monitoring



- ▲ Handover of activities to the departmental team leader and coordination of audits
  - Extension of the shop-floor management system to other production areas
  - Coaching of production management regarding the handover
  - Execution of recurring audits to safeguard progress

## Output Increase Development from Project Start to Finish





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