

Improvement Mixing Area

Project Manager
Manufacturing Manager

Accountable
Plant Manager

Date
Mar. – Aug. 2024

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OVERALL CONDITIONS

In the last 3 years, the production volume at the plant has almost doubled the initial amount, additional recipes have to be produced and additional raw materials have been added.

STARTING POSITION

- New recipes are largely prepared manually
- IT system is not reliable (orders get lost, bookings not possible) and incomplete (stock management, transfer of recipes etc.)
- Maintenance backlog
- Lack of space
- Raw materials not always available (stocks, not delivered, not found etc.)
- New employees (communication, proactivity of employees)

TARGET CONDITION

- + Bottleneck in the mixing department resolved
- + Less searching (enough space for material supply)
- + Correct stocks
- + Clear roadmap for reducing the number of raw materials (- 10 % to - 20 %)
- + Employees lift 50 % less weight
- + Projects completed and maintenance plan implemented
- + Clear recording for malfunctions and problems

MEASURES

- + Raw material reduction concept and communication with main customer
- + Preparation of the entire material by weighers (first step only preparation). Trial run for 1 month, then evaluation
- + Jointly developed quantity structure
- + Detailed planning mixing plant (when and what)
- + Adapted ERP mask for stock transfer
- + Immediate booking on consumption
- + 3rd salt silo finished
- + Manual weighing concept developed and implemented (pre-weighing in "box" before feeding into mixer, mobile scales)
- + Big bag dosing system
- + Ongoing maintenance and during shutdowns
- + Shift log incl. disturbance records Foremen

KPI

	2023	Ziel	Mär.24	Apr.24	Mai.24	Jun.24	Jul.24	Aug.24
h MA / to	2,88	2,1						
Störungen	?							
Fehlbuchungen	?							
Anteil Handzugaben	?							

EXPENSES

Training 100 h	xx k€
Investment	xx k€
Development 100 h	
Consulting 18 d	xx k€
Total	xxx k€

BENEFIT

Quantity	10000 to/a
Reduction	0.78 h/ton
Hourly rate	xx €/h
Savings	xxx k€