CLOUVER®

USE CASE DOCUMENTATION

Clouver TEXTILE Production Cockpit

Full transparency for your sewing production line — from a single stitch to the management cockpit.

Run your production. Don't just watch it.



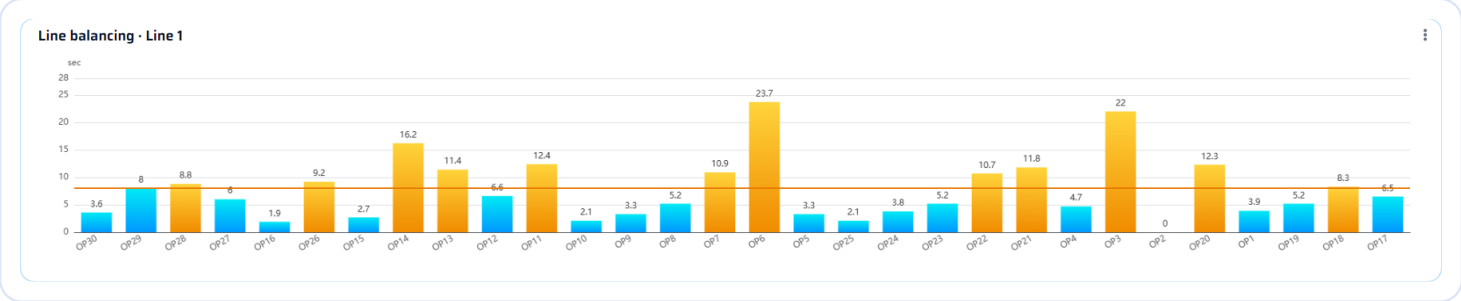
One cockpit, every perspective

Eight views turn raw machine and operator data into decisions — in real time, role-specific, without manual reports.

1	**Line Balancing View**	Every operation vs. target takt — bottlenecks at a glance.
2	**Machine Status View**	Live state of every machine throughout the day.
3	**Downtime View**	Causes, Pareto analysis and full event history.
4	**Operator Performance View**	Individual development profile — strengths and coaching needs at a glance.
5	**Cycle Time View**	Cycle times per operation against target — shows where training and line balancing help most.
6	**Quality / DHU View**	Defect rate, hourly trend and defect-type Pareto.
7	**Energy Consumption View**	Energy per piece and per machine — live against target.
8	**Management Overview**	All line KPIs on one page — OEE, output, quality, downtime.

USE CASE 1 / 8

Line Balancing View



23.7 sec
HIGHEST OP TIME (OP6)

30
OPERATIONS TRACKED

8 sec
TARGET TAKT TIME

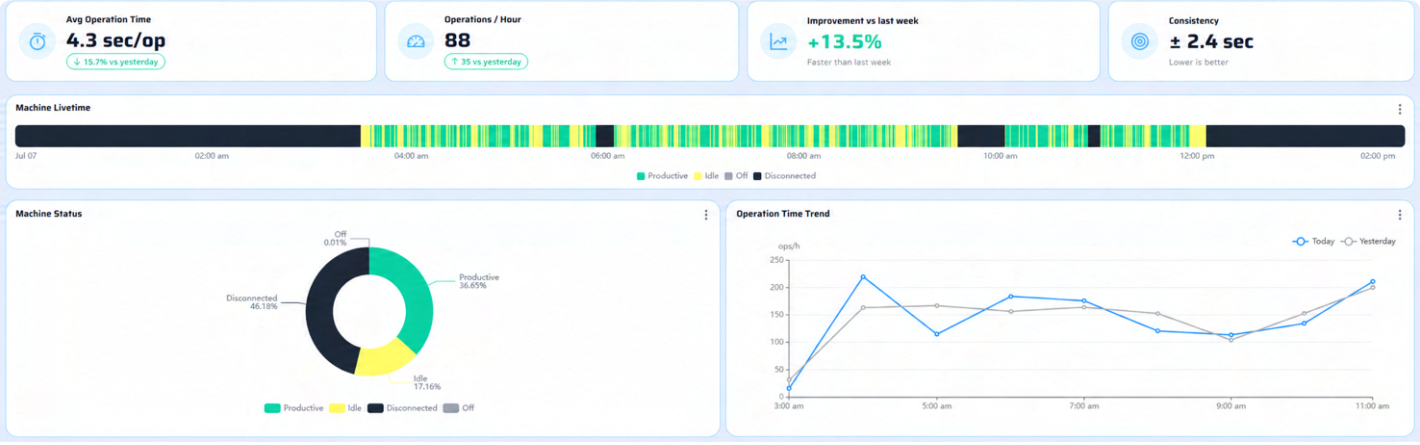
The measured cycle time of every work operation compared against the target takt time — operations above the line are flagged as bottlenecks.

Spot bottlenecks instantly: visible at a glance instead of in month-end reports.

Fact-based rebalancing: shift work content between stations based on data, not gut feeling.

USE CASE 2 / 8

Machine Status View



36.65 %
UTILISATION

88 / hr
CYCLES (OPERATIONS)

+13.5 %
FASTER THAN LAST WEEK

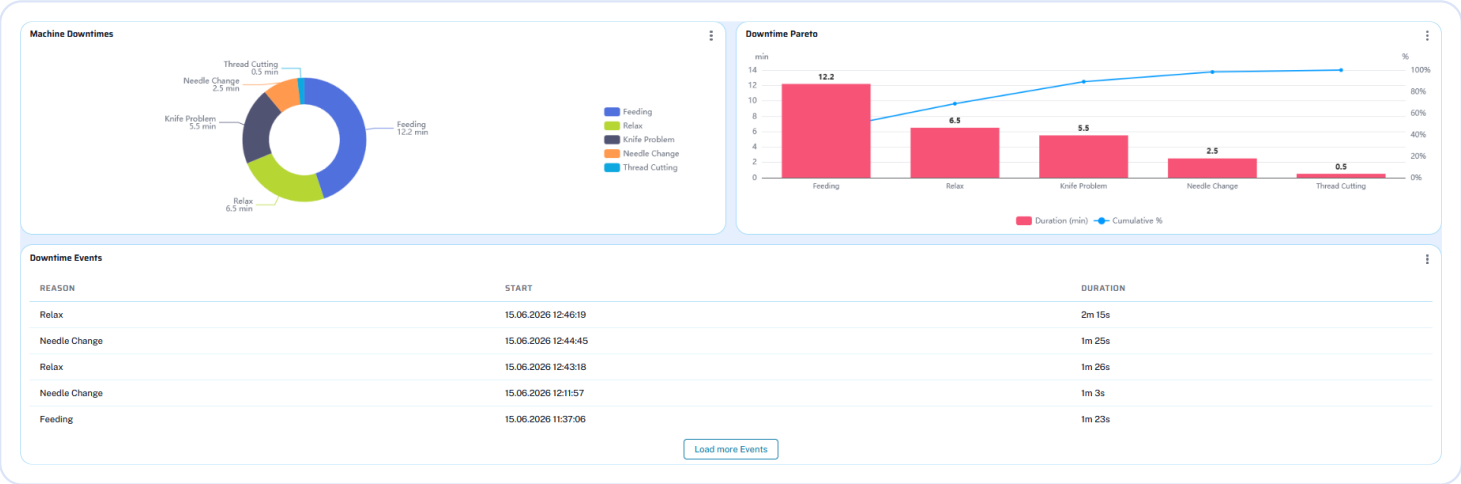
The live state of every machine — productive, idle, off or disconnected — as a continuous timeline throughout the day.

Real-time transparency: utilisation of every single machine, visible at any moment.

Catch unplanned downtime: disconnections and idle periods are shown without delay.

USE CASE 3 / 8

Downtime View



12.2 min
TOP CAUSE: FEEDING

5
DOWNTIME CAUSES TRACKED

100 %
COMPLETE EVENT HISTORY

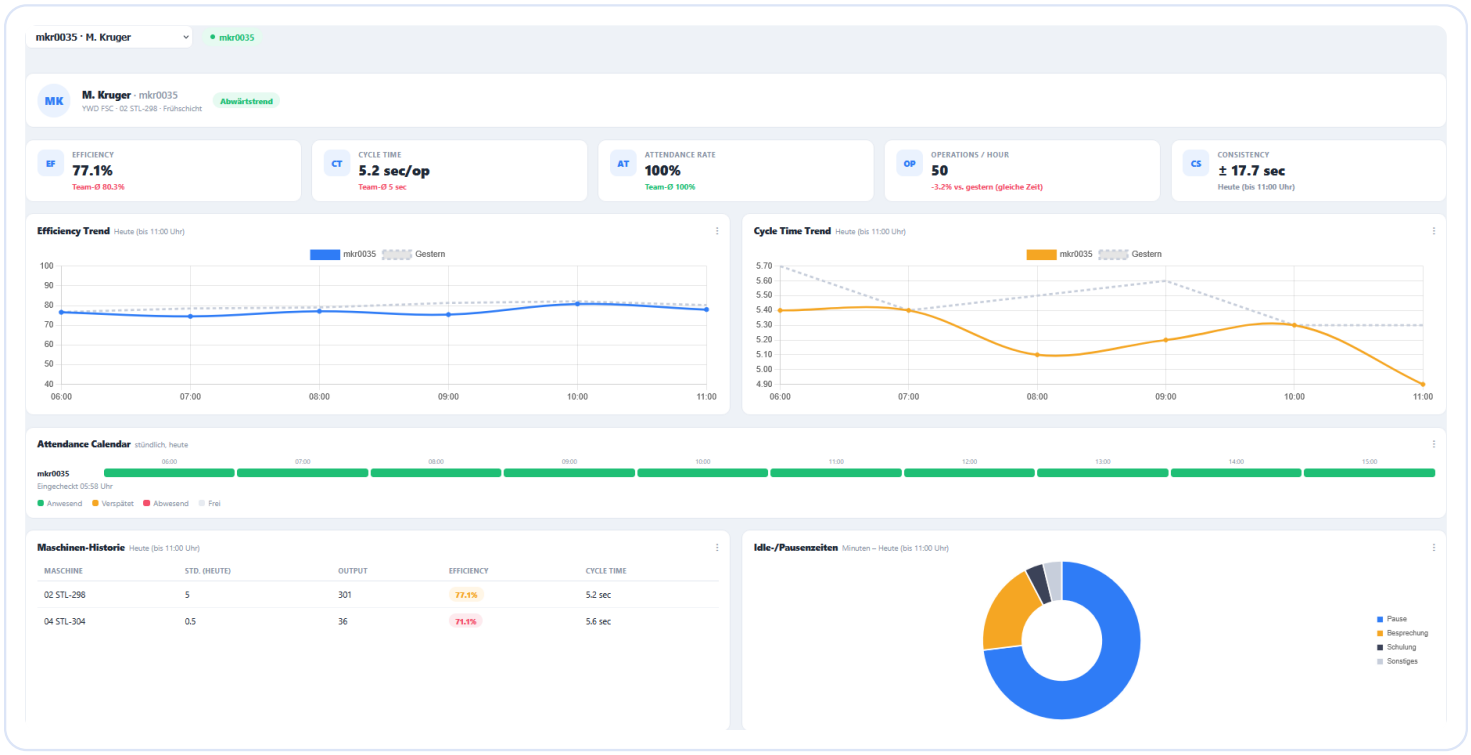
Downtime broken down by cause and displayed as a Pareto chart — plus a complete list of every event with timestamp and duration.

Apply the Pareto principle: the few causes with the biggest impact are prioritised first.

Targeted maintenance: recurring technical issues become visible and preventable.

USE CASE 4 / 8

Operator Performance View



77.1 %

EFFICIENCY (TEAM AVG 80.3%)

100 %

ACTIVE STATION TIME

± 17.7 sec

CYCLE TIME VARIATION

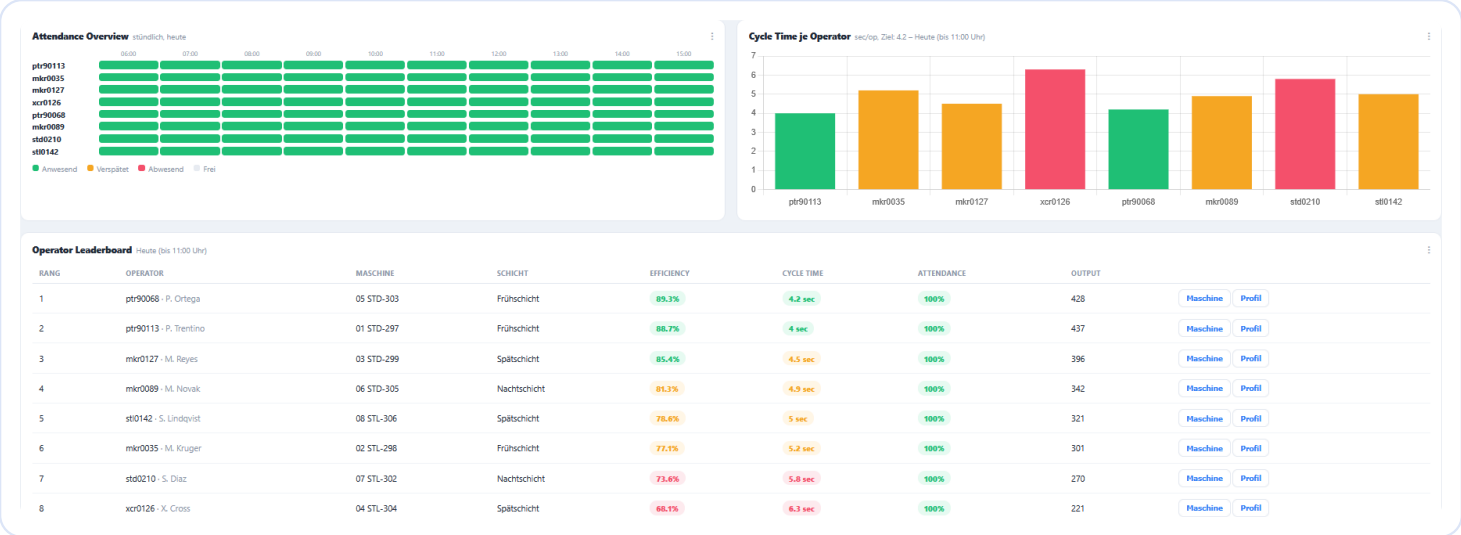
An individual performance profile per operator — efficiency, cycle time, active station time and consistency, each compared to the team average.

Fair evaluation: performance shown with objective data instead of subjective judgment.

Early coaching: performance dips are spotted before they affect the line.

USE CASE 5 / 8

Cycle Time View



4.2 sec

TARGET CYCLE TIME / OPERATOR

8

OPERATORS IN THE TEAM OVERVIEW

100 %

TEAM ATTENDANCE

Every operator's cycle time against the defined target — combined with an hourly attendance overview and a team pace overview.

Process clarity at a glance: where the target pace is realistic and where the process needs adjustment.

Recognition, not ranking: consistent performance becomes visible and can be acknowledged.

Quality / DHU View



4.1 DHU
DEFECT RATE (40,691 PPM)

33
TOTAL DEFECTS (-28.3%)

10
DEFECT TYPES TRACKED

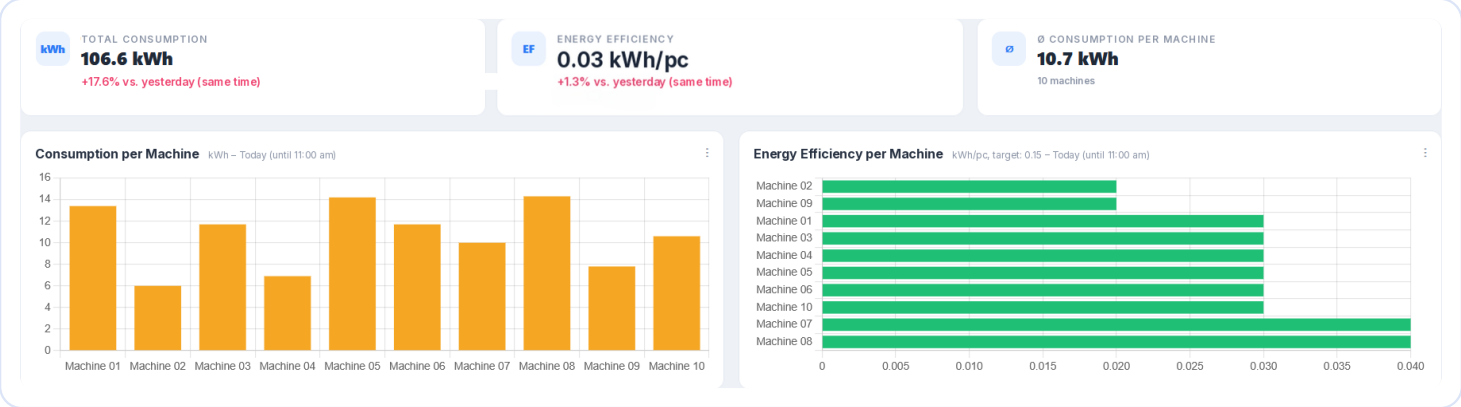
Defect rate in DHU (defects per hundred units) and total defects vs. the previous period, the hourly defect trend and a Pareto of the most common defect types.

Early warning system: rising defect rates are detected while the shift is still running.

Pareto focus: the most frequent defect types are addressed first.

USE CASE 7 / 8

Energy Consumption View



106.6 kWh

TOTAL CONSUMPTION (TODAY)

0.03 kWh/pc

ENERGY PER PIECE (TODAY)

10

MACHINES MONITORED

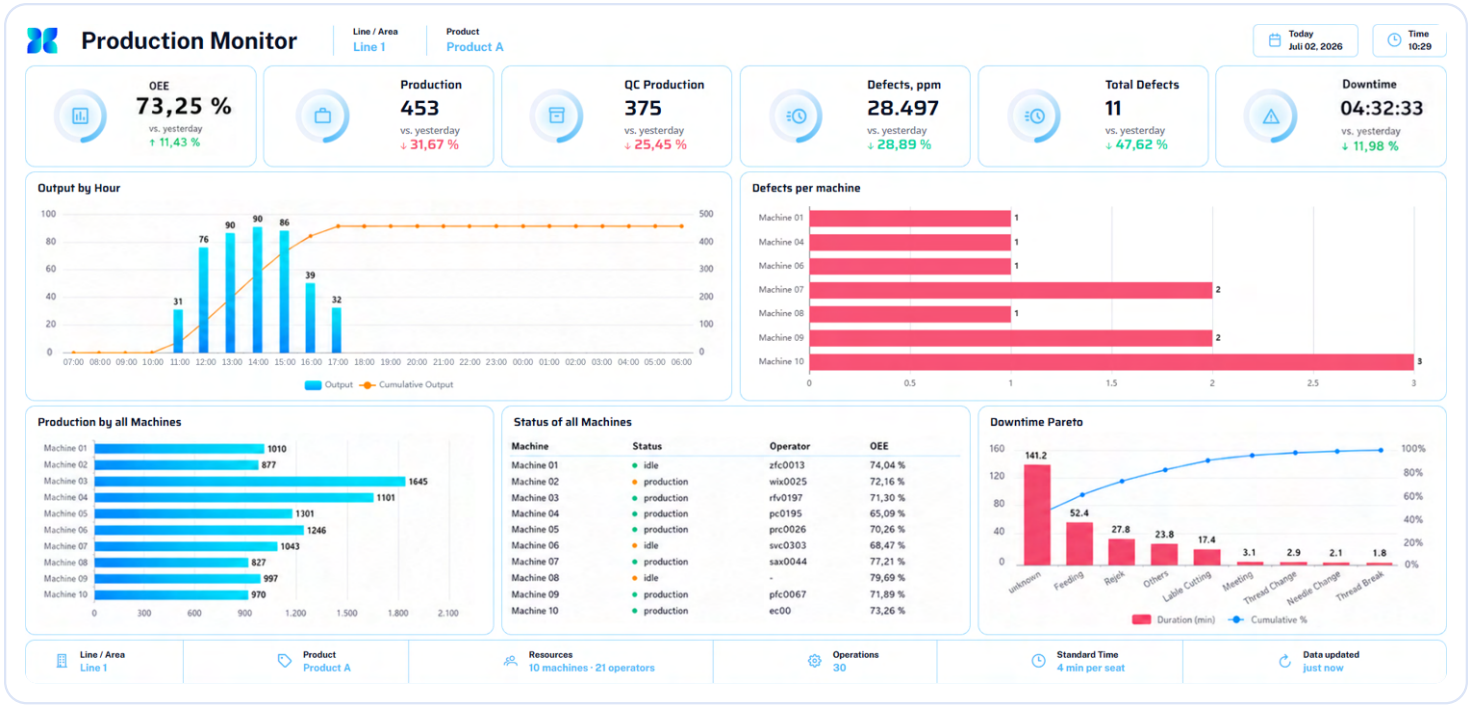
Total consumption, energy per piece against target and per-machine efficiency — updated live throughout the day.

Cost per piece: energy becomes a managed cost driver, machine by machine.

ESG-ready: consumption evidence per machine and line for customer and sustainability audits.

USE CASE 8 / 8

Management Overview



73.25 %

OEE (UP 11.4% VS. PREV. DAY)

453 pcs

PRODUCTION

4:32 hrs

DOWNTIME (DOWN 12.0%)

All relevant line KPIs on a single page — OEE, production, quality and downtime, each compared to the previous day.

One glance is enough: the whole line in real time — no Excel reports needed.

Shared data basis: management, production and quality work from the same numbers.