

Clouver Newsletter

Making production performance visible

– recording metres produced in real time

What you will learn in this newsletter: We show you how Clouver has been extended to record produced fabric quantities in real time and evaluate them transparently, and how this allows you to transparently compare production volumes by machine, team or time period.

How many metres of fabric were actually produced today?

This was exactly the challenge faced by a glass-fibre fabric manufacturer whose eight weaving machines were already connected to Clouver.

The machine status was already visible. Running and downtime periods could be recorded and evaluated. What was missing, however, was the actual production volume.

For those responsible, it was not only crucial whether the machines were running, but above all how many metres of fabric were actually produced.

The problem: With the hardware used up to that point, the sensors required for this could not be read out. This meant an important basis for automatically recording the produced fabric quantity and evaluating it in real time was missing.

⚠ Full transparency across production therefore required a new solution.

From machine status to produced fabric quantity

To implement this requirement, the previous SmartKit hardware was replaced by microcontrollers. These capture sensor data directly at the machine and transmit it to the SmartKit.

This makes it possible to measure the number of rotations of a roller and determine the produced fabric quantity in linear metres.

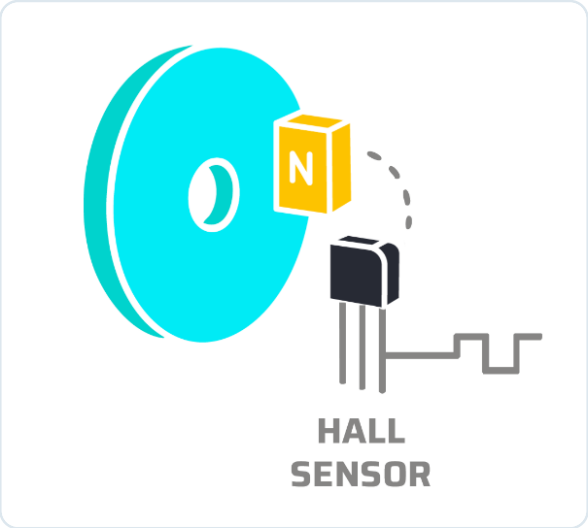


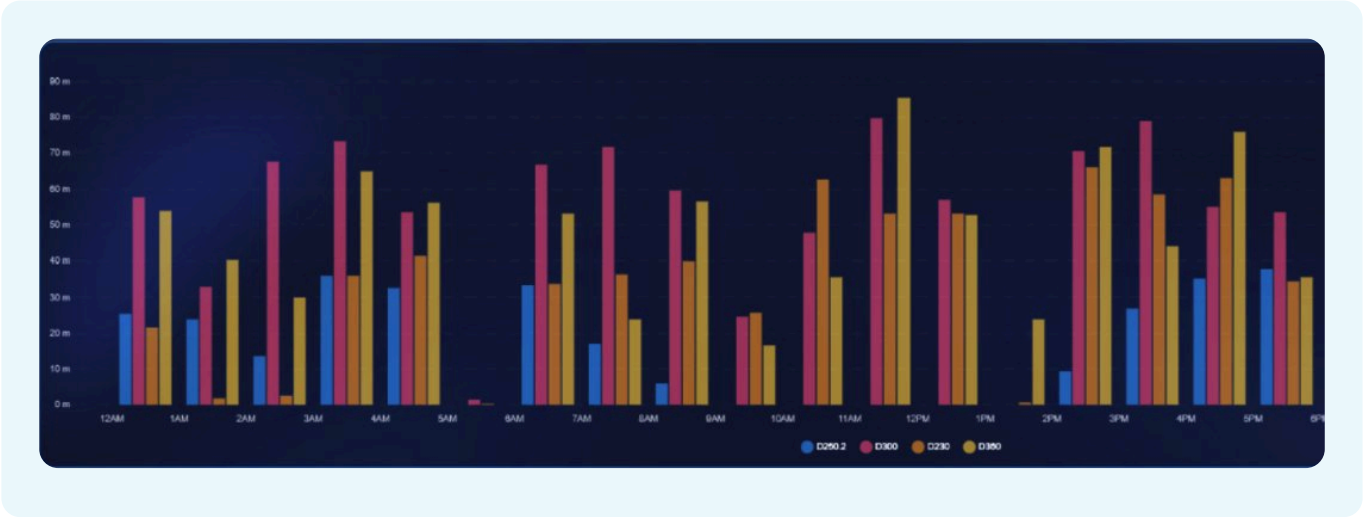
Illustration of the Hall sensor measuring the metres produced.

As a result, additional production data can now be recorded that was previously unavailable. In addition, the machine status is determined – as usual.

> “This makes visible how much was actually produced – across machines, teams and time periods.”
>
> ***– Andre K., Product Owner IIoT ProCom Automation***



Transparently display and evaluate production volumes on a daily, weekly, monthly and yearly basis.



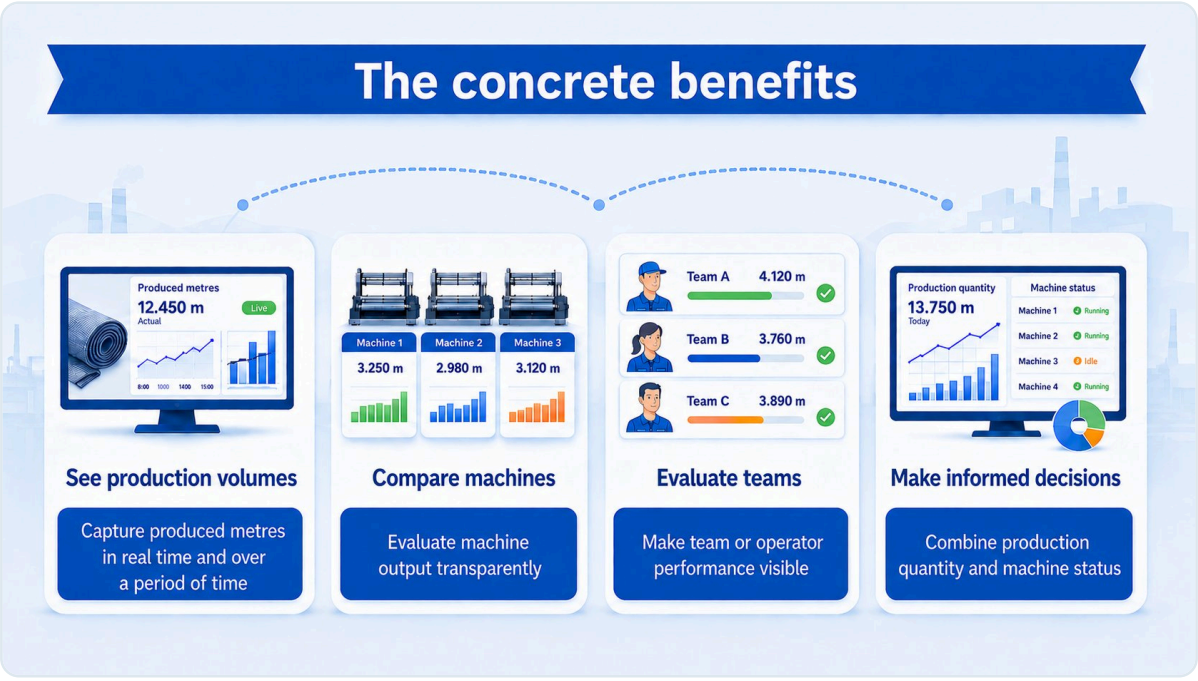
Display and compare all machines in production, including the linear metres produced, at a glance.

Real-time monitoring for eight weaving machines

At the glass-fibre fabric manufacturer, eight weaving machines were connected to Clouver. The central goal was the continuous recording of the produced fabric quantity.

Thanks to the new sensor connection, the linear metres produced can now be automatically recorded and evaluated directly in Clouver.

This creates a complete overview of the actual production performance of all connected machines.



Comparing production volumes transparently

Thanks to the automatic recording of the linear metres produced, those responsible can see at any time:

1. how many metres of fabric were produced in total in the selected period
2. how many metres individual machines have produced
3. how much was manufactured by individual operators or teams
4. where differences arise

Instead of manual recording or retrospective evaluations, the production data is continuously available.

Continuous production data instead of individual values

In many production facilities, quantity values are only recorded selectively. As a result, there is often no way to track developments over longer periods or to compare different machines with one another.

With Clouver, production data is continuously available. At the same time, the solution remains flexibly scalable – both for additional machines and for further sites.

✓ This creates a future-proof foundation for data-based production control.

A typical stumbling block and how to avoid it

The quantity actually produced often remains unknown and the link between machine activity and real output is missing. This makes it difficult to reliably compare production performance.

It is therefore important to record production volumes directly at the machine and link them with the existing operating data.

⊙ Quick win of the month
Use the recorded production data to compare the metres produced by individual machines over the past week. This way you can quickly see how production performance is distributed within your factory.

Get advice now – free and without obligation!

Would you like to know how you can integrate Clouver into your production and put it to use?

Then book a personal consultation with us –
free of charge and without obligation. Or write us an email with your questions. We look forward to hearing from you.

contact@procom-automation.de

Book an appointment now

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