

Clouver Newsletter

FANUC Integration

Gain deeper insight into your production

We explain how you can use the **"FANUC Integration"** to obtain more machine states, downtime reasons and production details – without having to rely on indirect signals such as "running/stopped". Ideal for **Industry 4.0 and smart factory environments.**

Not just “running/stopped”: What FANUC data additionally makes visible

Many production data points are now captured "from the outside", for example via energy consumption or simple signals. This is helpful, but it has limitations: you can see *that* a machine is running or stopped – but not always **which process is active, in which state the machine is,** and **why** it has stopped.

With the Technical Upgrade **"FANUC-Integration"**, Clouver can read data directly from FANUC control systems on machines – regardless of the machine manufacturer. This provides significantly more detailed production and status data, which could previously only be captured via SmartKIT-based monitoring.

The problem with indirect signals:

→ **Visible**

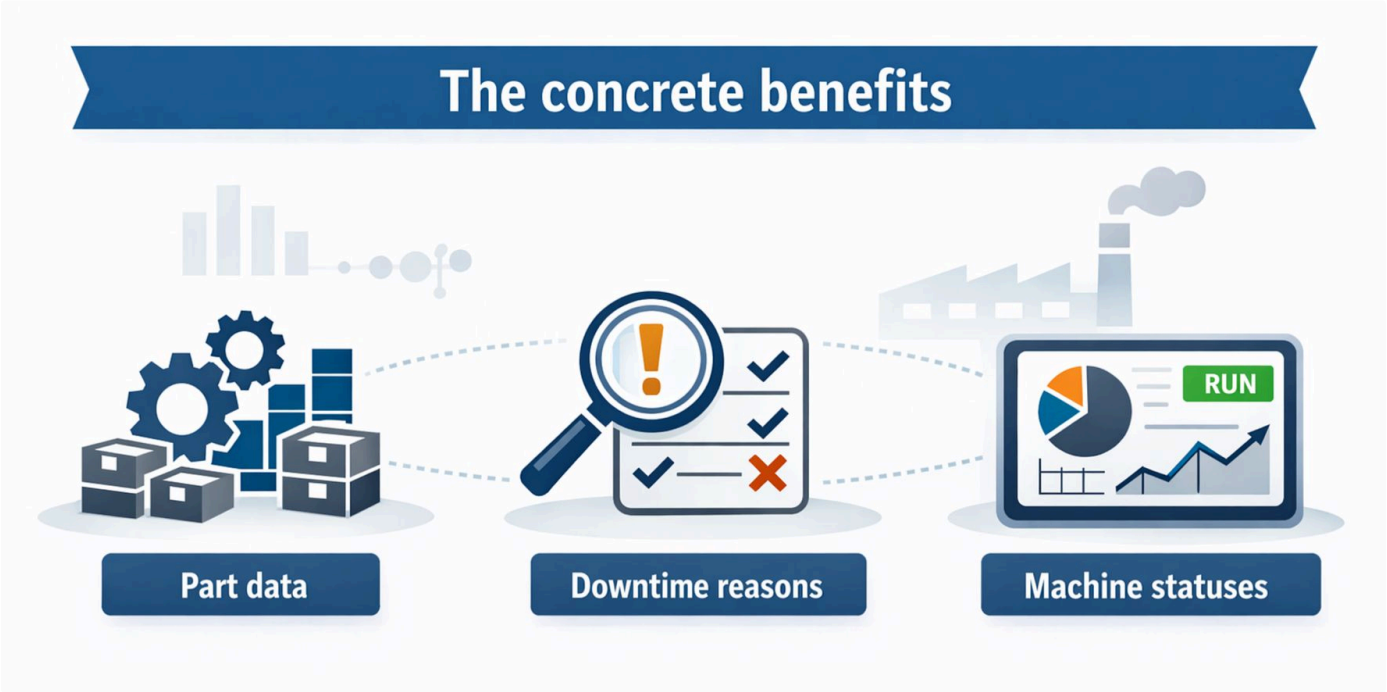
Machine running or stopped

→ **Invisible**

Why, which process, which state

→ **Solution**

Direct control data via "FANUC-Integration"



> *„Control data are significantly more detailed than the data that were available via SmartKIT."*
> – Developer ProCom Automation

This now additionally gives customers information such as:



Quantity & type of parts

Produced parts are captured directly from the control system



Reasons for downtime

Assessed by the machine itself – no interpretation needed



More machine states

Idle, setup, maintenance, fault – precisely recognised



OEE & productivity times

Classification within the machine life cycle at a glance

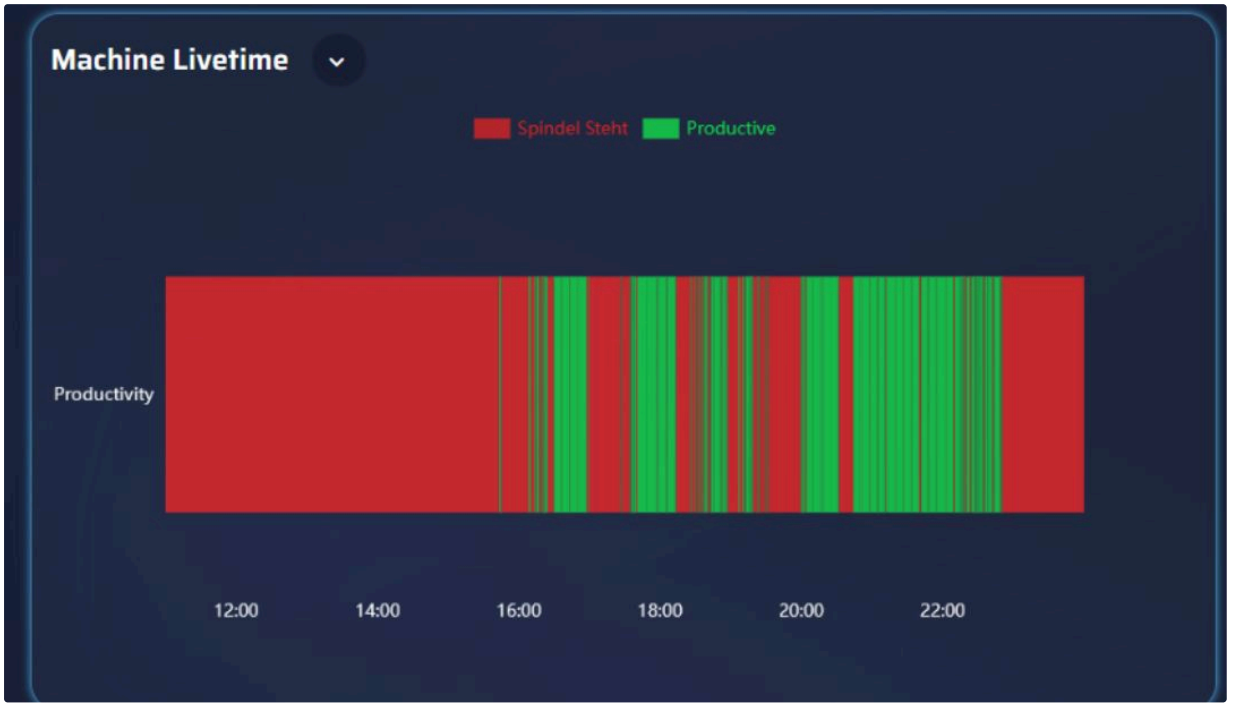
For genuine root cause analysis, it makes the difference between **‚we suspect'** and **‚we know'**.

This means: **More depth, more context, less room for interpretation.** A central foundation for data-driven production optimisation in the Smart Factory.

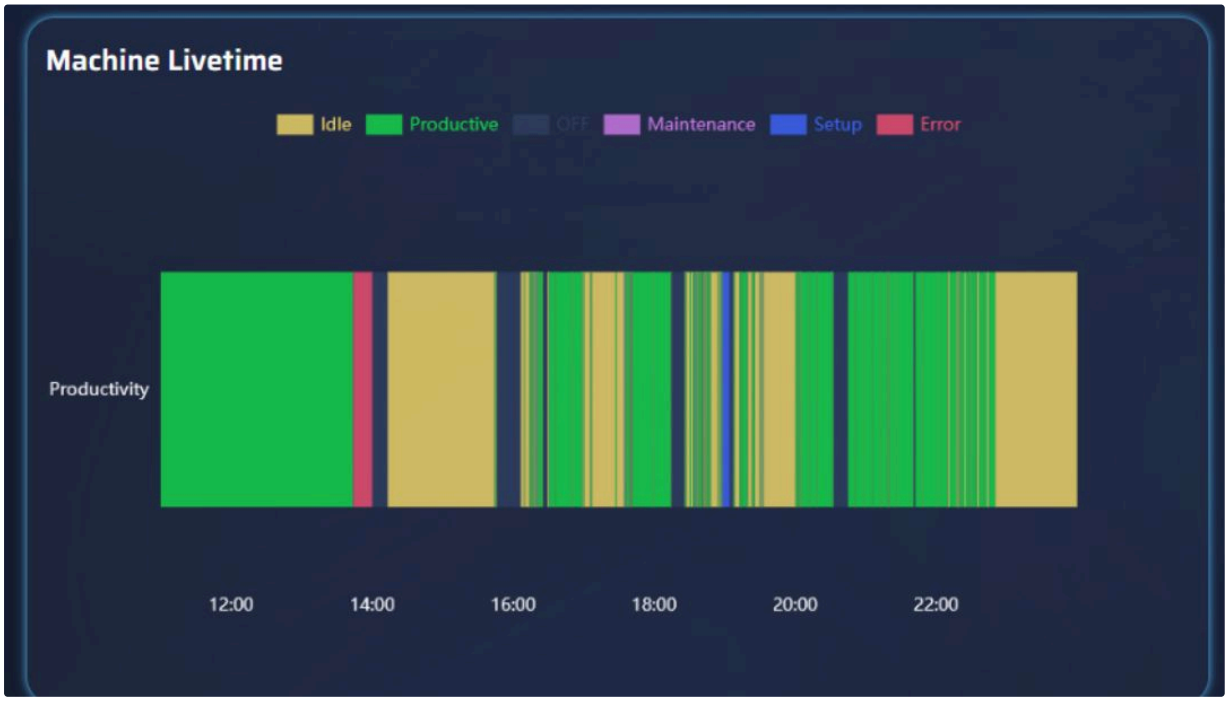
SmartKit vs. FANUC integration:

See at a glance the level of data depth that the FANUC integration enables compared with SmartKit.

With SmartKit

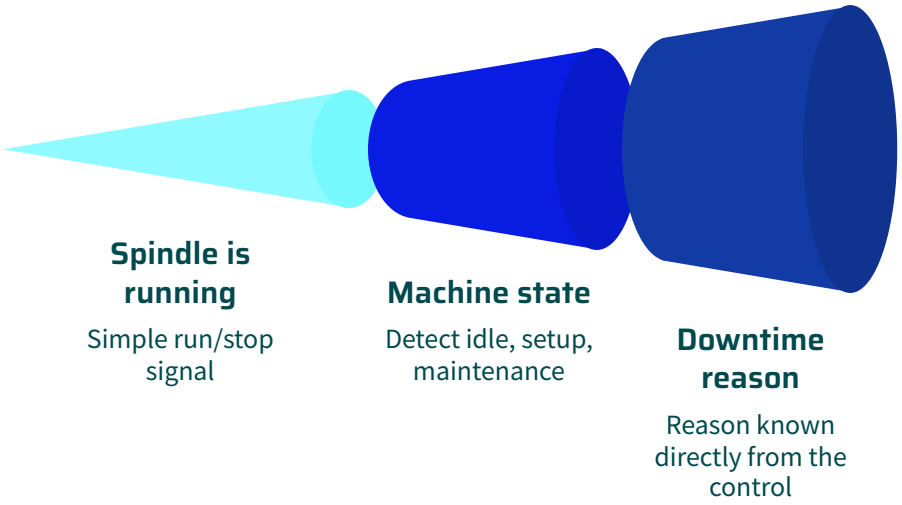


With the „FANUC integration"



From “Spindle is running” to “Machine is doing … right now”

Instead of only recognising whether, for example, a spindle is running, Clouver can now **show exactly what the machine is currently doing – including the reasons for downtime – directly from the control logic.**



This development marks a fundamental leap in production transparency: from inferred assumptions to verified, machine-generated facts.

What does this mean in concrete terms for your production?

Deeper transparency even with complex machines

More targeted optimisation even where monitoring has previously been difficult.

Downtimes become more comparable

You receive a consistent status from the control rather than inferred signals.

Analysis becomes more robust

You can structure downtime reasons cleanly and use them reliably in reporting.

Improvements become easier to prioritise

Because it is clear which types of downtime really dominate.

Typical stumbling block and how to avoid it

When you switch from indirect signals to control data, the data and level of detail increase – and with that, so does the expectation for structure and analysis.

⚠ **It is therefore important:** structure downtime reasons cleanly and start first with a few main states.

Quick Win of the Month

Start with 5–7 main states:

1. **Production**
2. **Setup**
3. **Maintenance**
4. **Alarm**
5. **Emergency stop**
6. **Idle**

✓ … and expand later. This gives you **quick clarity** without reporting and analysis becoming confusing.

Get non-binding advice now!

Would you like to know how you can integrate and use Clouver in your production?

Then book a personal consultation with us – **free of charge and without obligation**. Or send 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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