HUB-SE100

CONNECT. CAPTURE. UNDERSTAND.



STOP LETTING THE PLC HOLD YOU BACK.

CAPTURE SIGNALS, LEAVE MACHINES UNTOUCHED, ENRICH YOUR DATA.

You want...

? Energy consumption tracking per part
? Vibration and temperature monitoring
? Part counts for OEE
? Visibility into existing machines
? Workpiece presence detection

But...

! No PLC access
! No documentation
! No control cabinet access
! No modifications permitted
! No time for complex installation

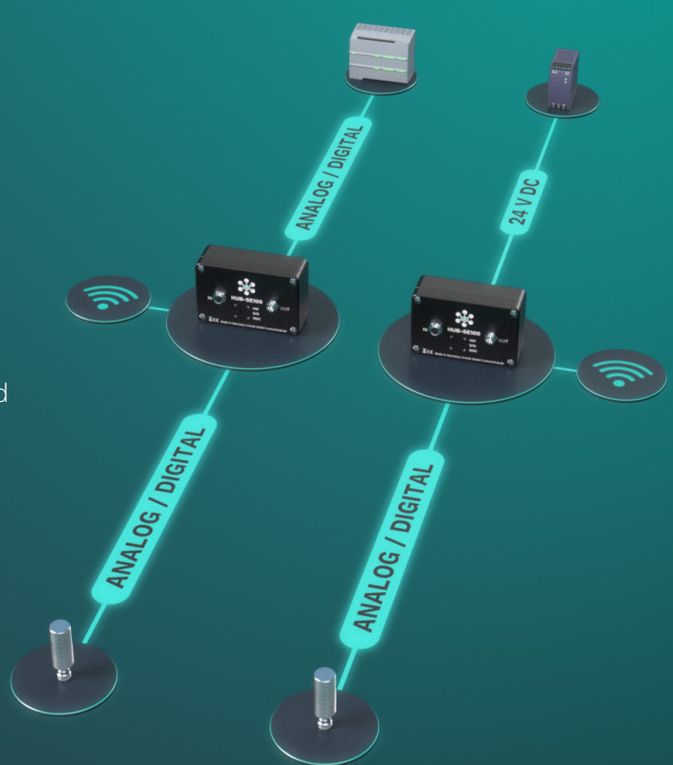
Simply connect the HUB-SE100 between sensor and controller, as an inline expansion module or a standalone Wi-Fi sensor module. Two operating modes, full flexibility.

1. Inline signal expansion

✔ Signal remains 100% unchanged
✔ No PLC modifications
✔ No control cabinet access
✔ No warranty disputes
✔ No risk to ongoing production

2. Standalone Wi-Fi sensor

✔ Connect the sensor
✔ Connect a 24 V power supply
✔ Done: a network-enabled sensor with integrated edge intelligence



Ideal for:

- Temperature measurement
- Process media monitoring
- Condition monitoring
- Temporary measurement campaigns
- Proof-of-concept projects

HUB-SE100: EXTRA SENSOR SIGNALS WITHOUT MACHINE MODIFICATIONS

The HUB-SE100 extends existing modules with additional data points directly at the sensor. Capture data precisely where it originates.

Use case: Energy + part count
HUB-EN200 + HUB-SE100

Energy measurement alone is not enough. Part counts turn it into a reliable performance indicator.

- ✔ Connect a photoelectric sensor via HUB-SE100
- ✔ Combine energy and part-count data with the EN200 in siineos®
- ✔ Calculate energy per part

☞ NO PLC ACCESS,
NO MACHINE MODIFICATIONS

Use case: Vibration + temperature
HUB-VM102 + HUB-SE100

Vibration reveals symptoms; temperature provides context.

- ✔ Integrate a temperature sensor via the HUB-SE100
- ✔ Combine vibration and temperature data
- ✔ Significantly improve condition analysis

☞ MORE CONTEXT,
BETTER DECISIONS

HOW THE HUB-SE100 SUPPORTS YOUR OPERATIONS:

MORE DATA WITHOUT INTERVENTION

- Capture sensor values without PLC modifications
- Keep the existing signal path unchanged
- Ideal for retrofit and existing machines

MORE CONTEXT FOR ANALYTICS

- Add part counts, temperature, presence or state information
- Extend energy, vibration or process data
- Improve energy-per-part KPIs and condition monitoring

TEST QUICKLY, SCALE EASILY

- Ideal for proof-of-concept projects and measurement campaigns
- Retrofit additional data points flexibly
- Scale from initial testing to full rollout

TECHNICAL OVERVIEW

- 2 × M8 connectors
- Digital and analog signals
- 24 V supply directly at the sensor
- Integrated Wi-Fi
- IP54 industrial enclosure
- Same compute platform as HUB-EN200
- Full siineos® system integrated
- Database, visualization, app framework
- Interfaces: OPC UA, MQTT, REST

GET TO KNOW HUB-SE100

We'd be happy to show you how HUB-SE100 captures additional sensor signals without PLC changes, machine modifications or unnecessary effort.

Scan the QR CODE for more information ->

in.hub · Annaberger Straße 73 · 09111 Chemnitz · +49 371 335 655 00 · info@inhub.de
www.inhub.de