

The logo for FLEXO, featuring the word "FLEXO" in a bold, sans-serif font. The letter "O" is stylized as a circle with a vertical line through its center, and the entire logo is rendered in a dark grey color.

FLEXO

A vertical orange line that separates the logo from the descriptive text.

Multiparameter sensing
for instant process visibility, Physical AI integration,
and flexible deployment

Every day, critical systems operate with incomplete data



Here's why:

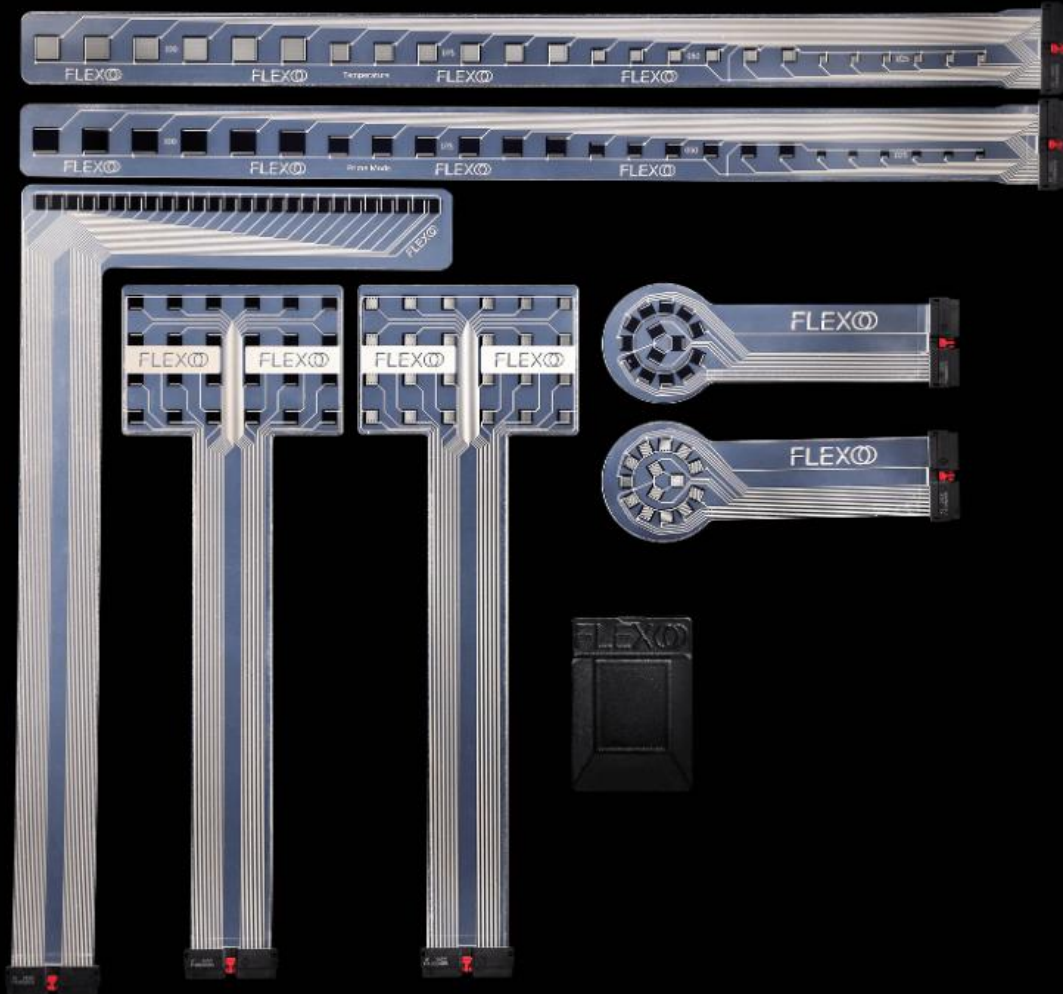
- Wired sensors require expensive infrastructure and can't reach confined areas
- Wireless alternatives lack the precision for critical applications
- Setup complexity delays projects and increases costs
- Limited real-time capabilities mean problems are detected too late

And that's what it costs you:

- Safety risks
- Performance losses
- Unplanned maintenance
- Slower innovation and competitive disadvantage

MultiMoS

is a breakthrough in wireless sensing



You gain:

Multisensing in real-time

- Simultaneous measuring of pressure and temperature as standard
- Customizable integration of additional parameters, e.g. humidity, VOC, gases, and more

Best data quality at low-cost

- World's most precise tactile sensor delivering superior signal quality and high-fidelity data without crosstalk
- Manufactured with fully automated roll-to-roll printing technology to ensure low production costs

Physical AI enablement

- Customized real-time multisensing at even inaccessible places enables tailored solutions that feed advanced Physical AI algorithms, unlocking deeper insights and enabling smarter, autonomous decision-making

MultiMoS adapts flexibly to evolving environments and business needs



Sensors:

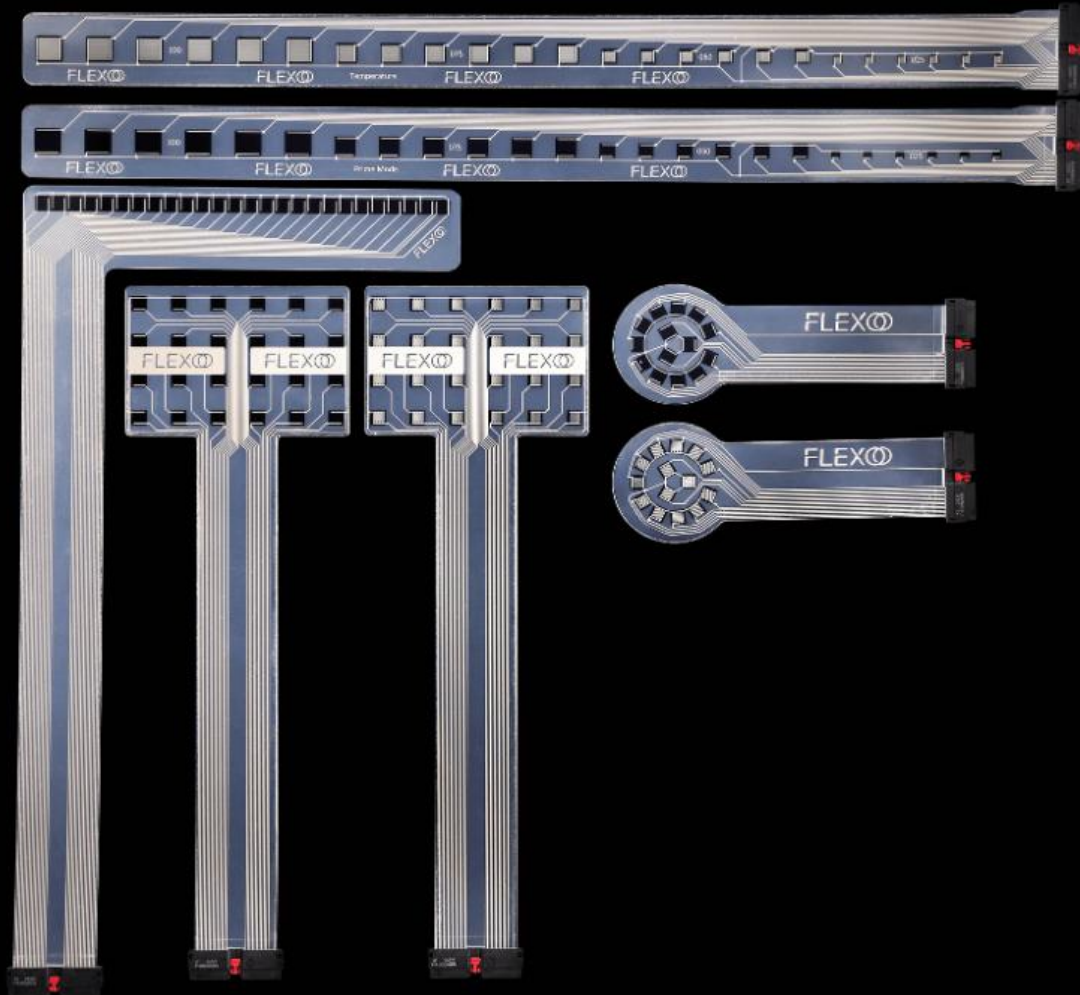
- Ultra-thin sensors fit even most inaccessible places
- Fully customizable sensor design
- Customizable parameter mix

Electronics:

- Bluetooth Low Energy
- Upcoming LoRaWAN IoT integration

MultiMoS

Key technical data



Sensors:

- Up to 26 sensing points
- 16 Bit ADC resolution (65536 quantification points)
- Simultaneous measurement of customizable multiparameter - pressure/temperature as a standard
- 10 °C to 100 °C (in non-condensing solvents) temperature range
- Standard foil design: credit card, stripe, slider, circle

MultiMoS

Key technical data



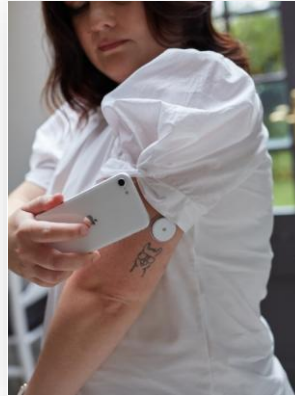
Electronics:

- Bluetooth Low Energy 5.4 | LoRaWAN coming soon
- up to 150 fps transmission rate (Bluetooth)
- Range: up to 30 meters
- 1 Gbit data storage on PCB
- -20°C to $+60^{\circ}\text{C}$ temperature range
- 50 h continuous measurement (Bluetooth), Lithium Ion Battery 1200 mAh rechargeable

MultiMoS - real-time multisensing for intelligent decisions



Automotive safety & comfort
Advanced seat occupancy detection, battery cooling leak detection, and high-resolution pressure sensing for functional safety and state-of-health monitoring



Medical and wearable technology
Foot health monitoring, sensor mats for healthcare diagnostics, and wearable device integration for continuous patient monitoring



Energy storage monitoring
Cell-level pressure and temperature mapping for BMS intelligence, safety monitoring, and faster R&D insights



Logistics and inventory management
Intelligent shelves detect occupancy status while weight-based counting systems enable automated inventory tracking and management



Industrial asset monitoring
Pipeline flange leak detection, torque monitoring, and asset health tracking with easy attachment and wireless data transmission capabilities



Physical AI applications
Pipeline flange leak detection, torque monitoring, and asset health tracking with easy attachment and wireless data transmission capabilities

MultiMoS – real-world validation from early adopters



Case BESS:

- Higher energy output without investing in battery pack design changes or losing manufacturer warranties.
- Safety reaches a higher, more controllable level through real-time cell-level monitoring of both temperature and pressure.
- Maximizes battery utilization without increasing cell size or pack costs, improving overall ROI.

Case digitalization in sports:

- Objective performance data
- Injury prevention capabilities
- Personalized training programs
- More data for in-fight media coverage and entertainment

Why should you choose MultiMoS as your wireless sensor



Six reasons:

Ultra-thin design

- Highly integratable sensors fit even most inaccessible places effectively

Real-time data

- World's most accurate tactile sensing; no crosstalk,

Cost-effective

- Automated production delivers high-value solution at competitive pricing

Wireless versatility

- Bluetooth Low Energy plus upcoming LoRaWAN IoT integration

Multiparameter sensing

- Customizable parameters

Custom flexibility

- Printable form factors tailored to your application

Your way to instant process visibility & Physical AI integration



Your custom multisensing:

Productification & Know-How Transfer

- Customized sensor layout & mechanical integration proposal
- Prototype films & systems
- Integration documentation & interface specifications
- Onsite technical support
- Joint prototyping & testing

Seamless Scalability

Rapid scale-up from R&D to manufacturing

We Are
ISO 9001
Certified



FLEXO



Fast Feasibility

High-tech ISO 9001-certified lab for material testing and sensor development



Manufacturing Engineering

Customized R2R processing line for product and process development
Same technology stack as for production



High-Volume Production

Fully automated R2R electronics manufacturing: cost-competitive with Asian flex manufacturers

Every custom solution is designed to run on the same technology stack:
From first prototype to millions of units

Customers trusting us

AIRBUS



BASF
We create chemistry

Bausch
WE MAKE OCCLUSION VISIBLE



 **BOSCH**



**DAIMLER
TRUCK**

Fujikura

HEIDELBERG



logitech


MARQUARDT



PARADOR



 **REHAU**



SPACEX

 **stoov**




TRELLEBORG

Valeo

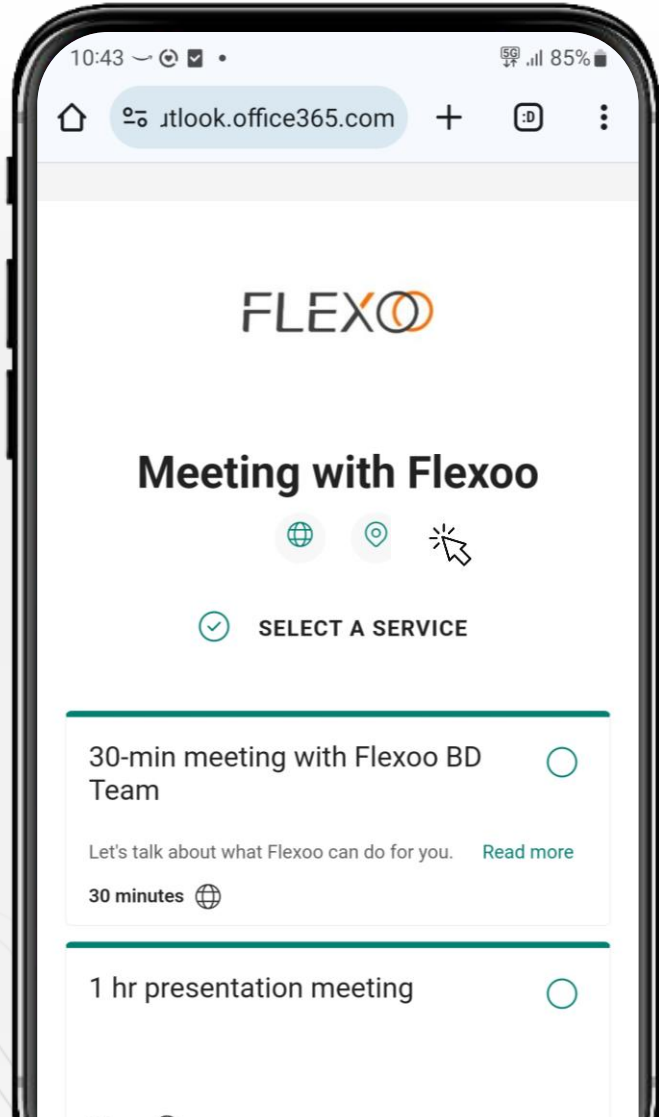


 **GRIFUSION**

 **TECHNOLOGIES**
Testing transformed

Challenge us!

FLEXOO



Bart Jarkiewicz
Head of Sales



Lars Keiz
Sales Manager



Dominik Stasiak
Indirect Sales Manager

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