


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.

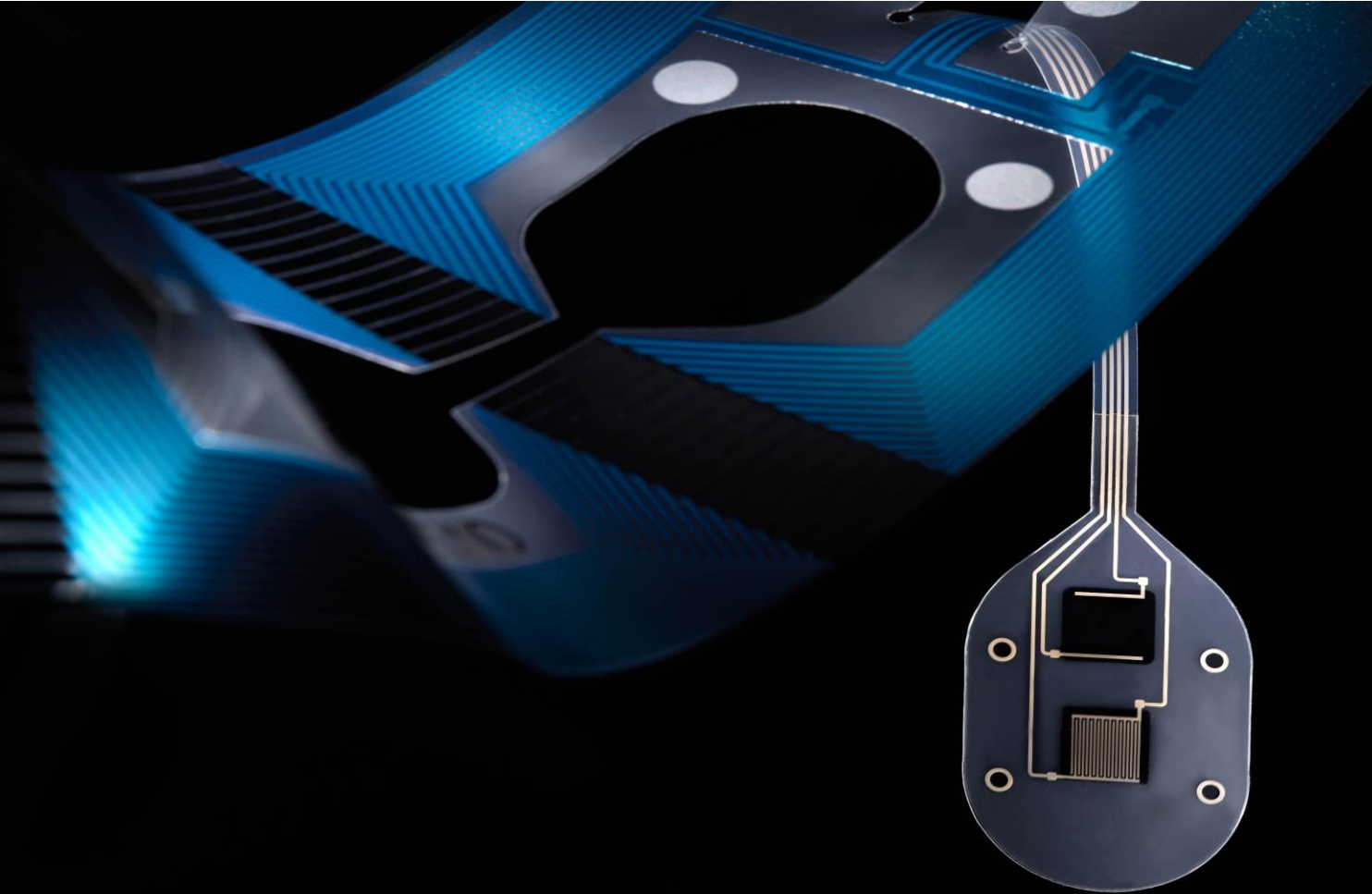
FLEXO

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

Boost Your BMS Intelligence, Battery Safety &
Performance Without Pack Redesign –
Ready for Fully Automated BESS Production

Real measurements, not calculations

Unlimited for AI. Real-time. Affordable.



You gain:

Future-proof BMS

- SOC/SOH defining parameters measured on cell level with the worldwide most precise printed sensor
- Sensor platform: pressure, temperature, VOC/H₂ and others on request

Effortless early warning

- Ultra-thin, ultra-light sensor fits to any BMS and cell/pack design by customizable layout
- In-cell temperature tracking for early TR detection
- On-cell pressure sensor to detect critical external/internal deformation and gas build-up

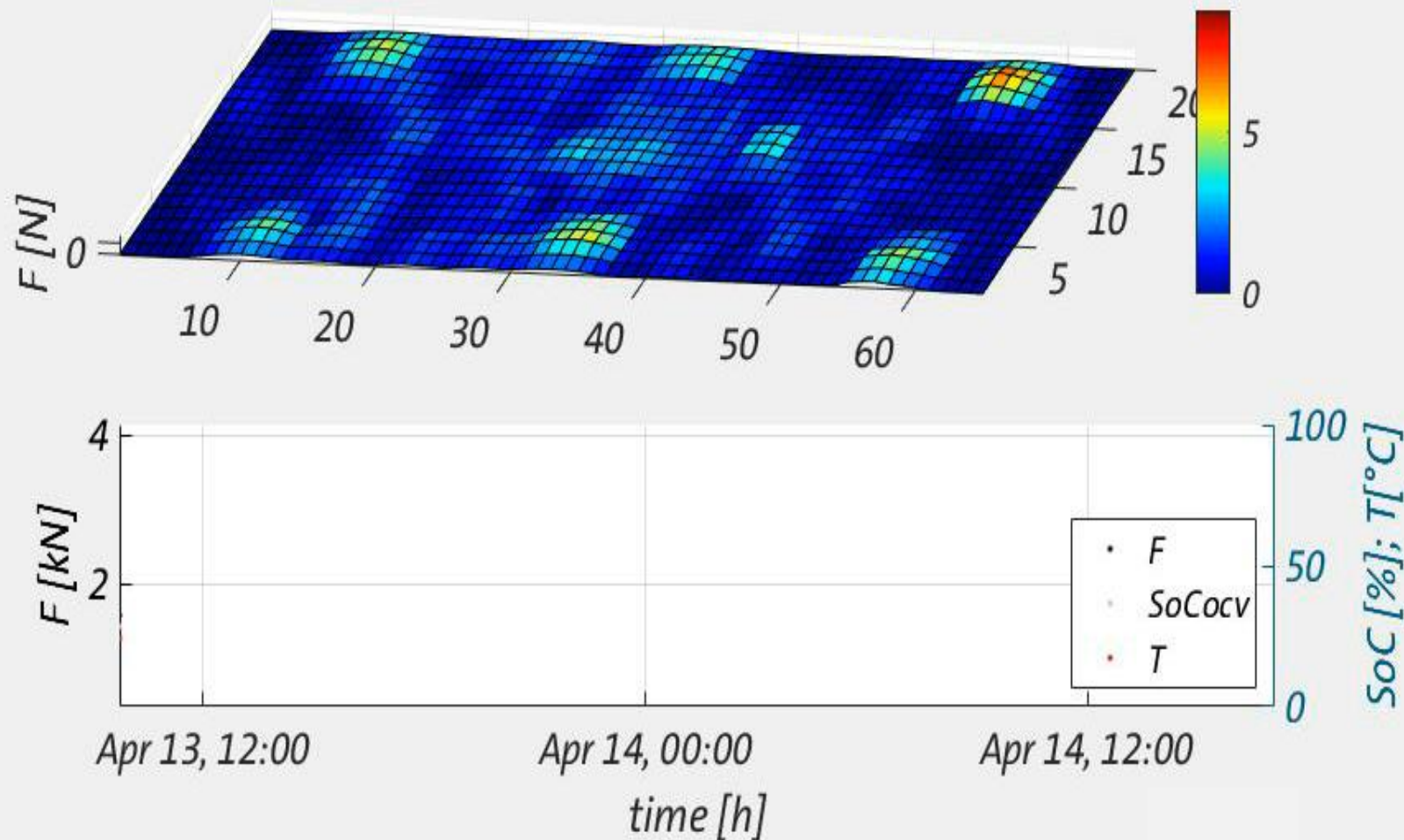
Higher energy output

- Squeeze every kWh from your existing battery design with live cell data while maintaining OEM warranty

Upgrade your BMS intelligence

Real data. Real safety. Real insights.

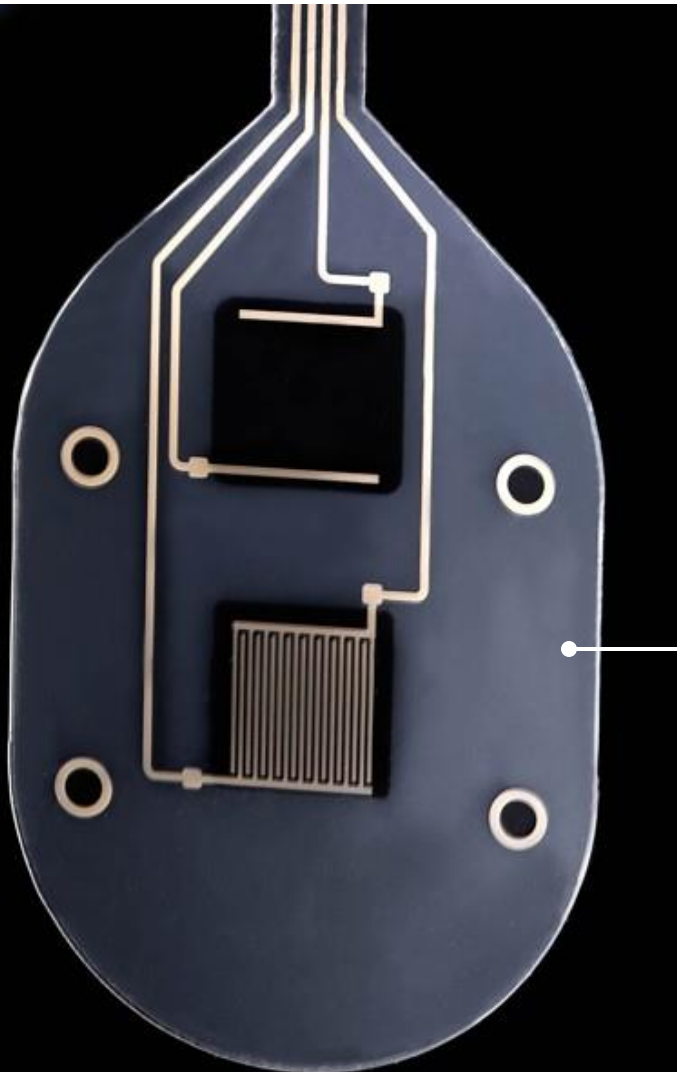
Real-time cell mapping



- SoC
- SoH
- Thermal & mechanical stress
- Real-time data for BMS modeling

Most precise tactile sensor worldwide

Ultra-thin. Ultra-light. In-situ.



Ultra-thin –
2.5 times thinner than
a human hair

You gain:

Superior SOC precision

- Thanks to ultra-low hysteresis (0.03 %) and minimal signal drift - enabling smarter battery management and maximized usable energy

Consistent, reliable measurements

- Outstanding repeatability (up to 99.8 %) and low crosstalk, ensuring every data point you receive is precise and actionable - even under challenging conditions

Designed for longevity

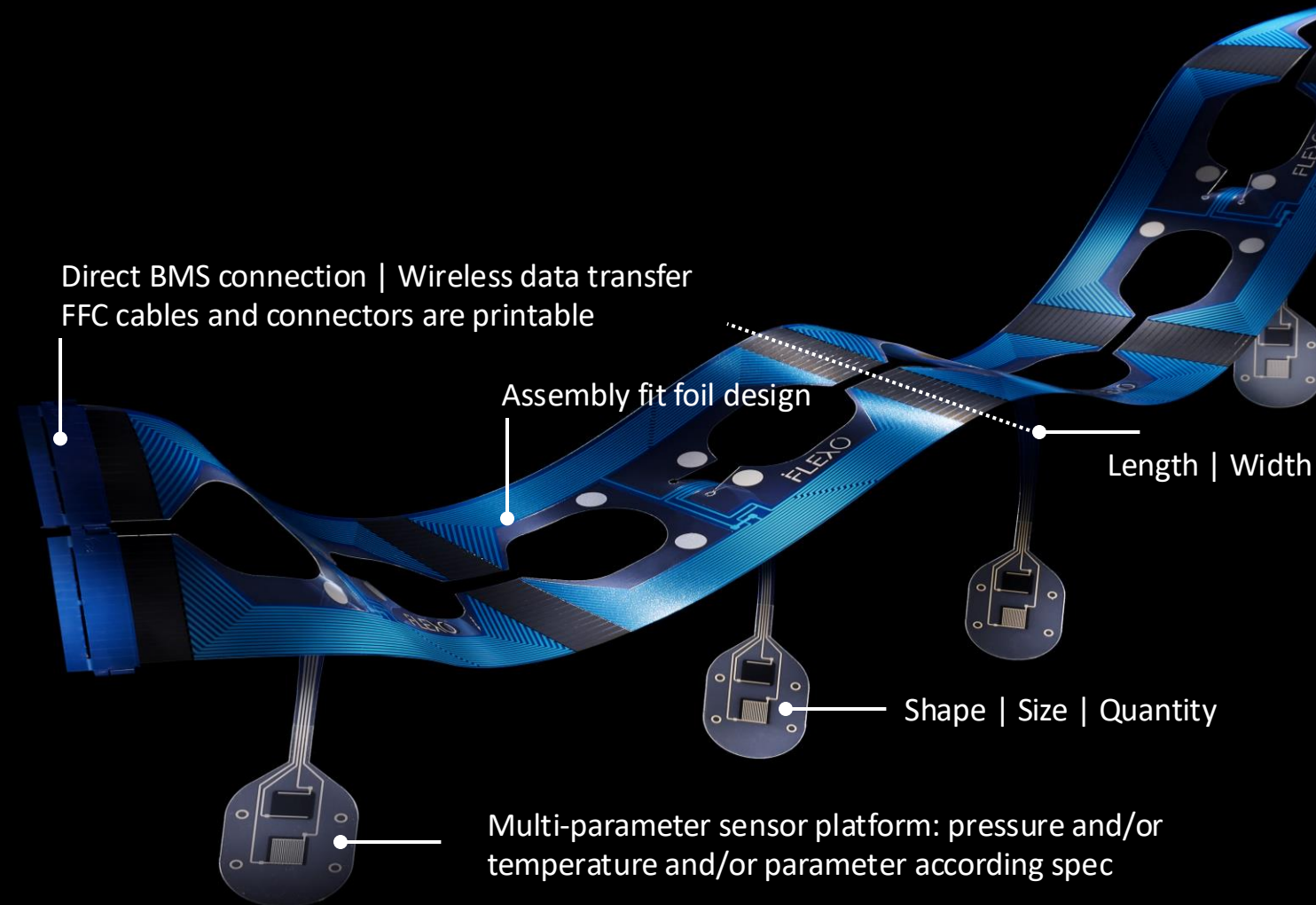
- Less than 5 % signal loss after 1 million load cycles at 150 N/cm^2 - perfect for the rigors of high-frequency grid operations

Deeper insights, instantly

- $< 1 \text{ }^\circ\text{C}$ accuracy over a broad temperature range (10–100 $^\circ\text{C}$ and beyond), so you can use wider safety threshold due to precise measurements

From one sensor to every cell

Fully customizable to your pack design & assembly process



You choose:

Level of intelligence

- From single-cell sampling to full-pack monitoring - you choose your intelligence scope

Interfaces

- Connector position and layout matching BMS connection grid spacing

Assembly support

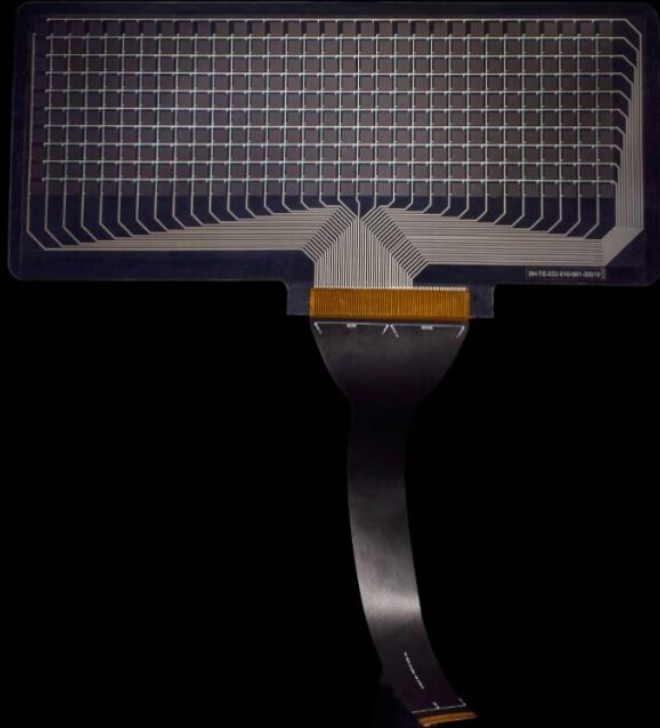
- Sensors are calibrated to the precompression in the battery pack
- High-volume roll-to-roll printing scales to any battery pack production demand

FLEXOO is your battery lifecycle partner

Single-sensor architecture from testing to series - no revalidation required

High resolution for battery testing

Scalable BMS intelligence upgrade embedded in series production



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



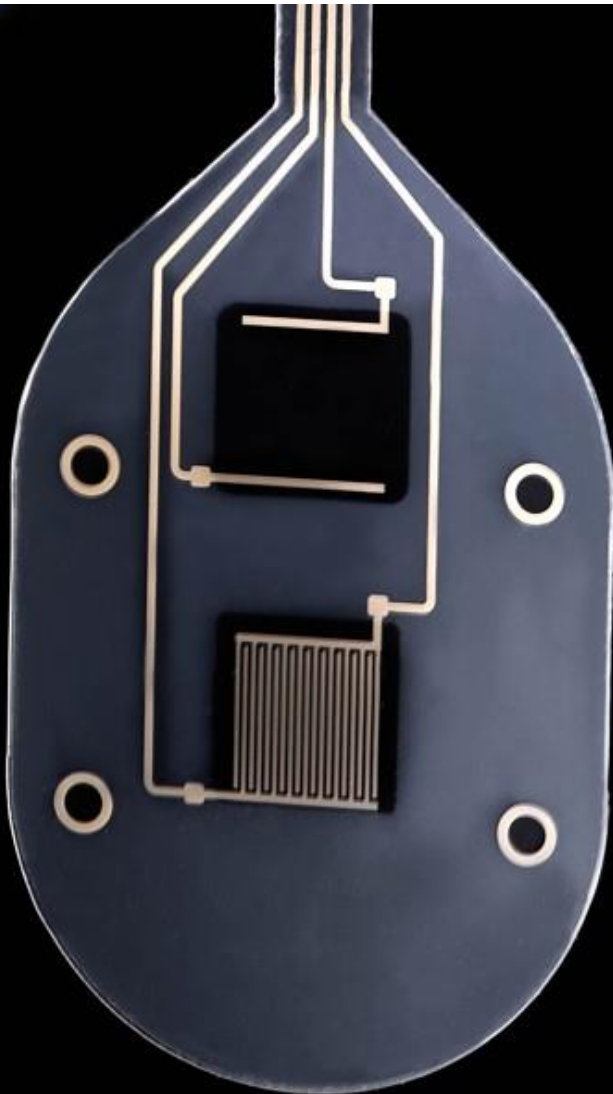
High-Volume Production

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

Your way to more BMS intelligence,
higher battery safety & performance



Your custom BESS sensor:

Productification & Know-How Transfer

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

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



GRIPFUSION

PES TECHNOLOGIES
Testing transformed

Challenge us!

FLEXOO



Bart Jarkiewicz
Head of Sales

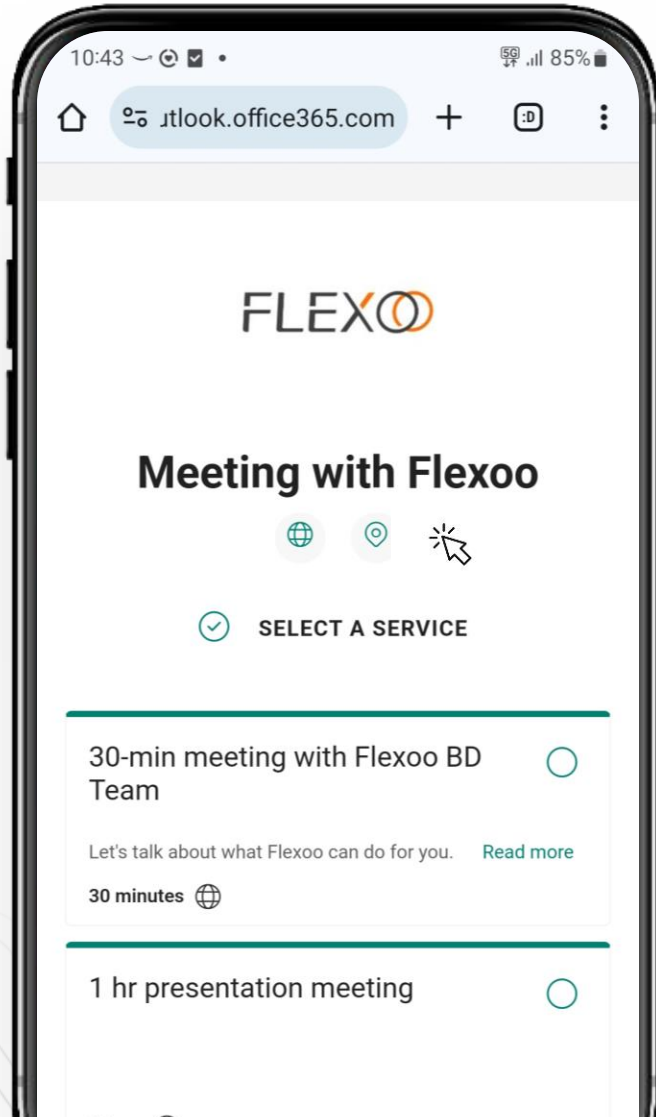


Lars Keiz
Sales Manager



Dominik Stasiak
Indirect Sales Manager

[Schedule an appointment](#)





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