Konjunktur und Wirtschaftspolitik (KoWiPol)

22. Juni 2026

Programm

Begrüssung	09.00 Uhr	Sebastian Friess
Aktuelle Konjunkturlage	09.02 Uhr	Nirush Srikanthan
Die Tätigkeiten des Eichamts	09.15 Uhr	Oliver Schwaar
Neues aus der Sommersession 2025	09.45 Uhr	Daniel Bhend
Networking-Pause	30’	
CSEM und die Tätigkeiten in Bern	10.20 Uhr	Jens Krauss VP Medtech bei CSEM
Abschluss	11.10 Uhr	Sebastian Friess

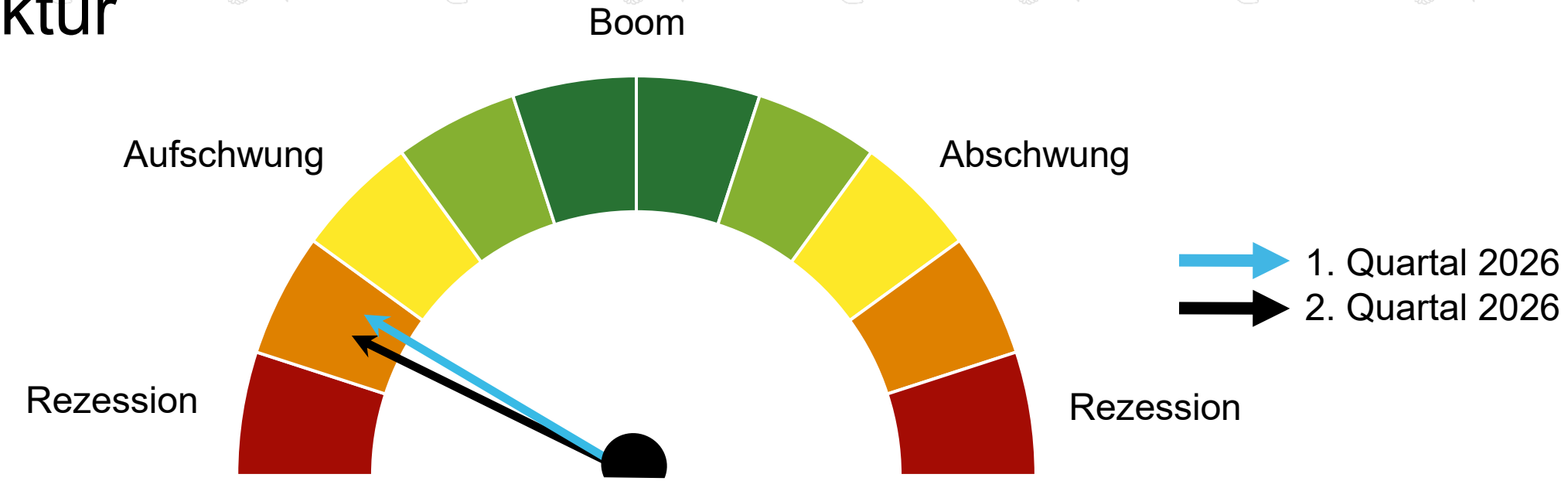
Kanton Bern
Canton de Berne

KoWiPol

Aktuelle Konjunkturlage

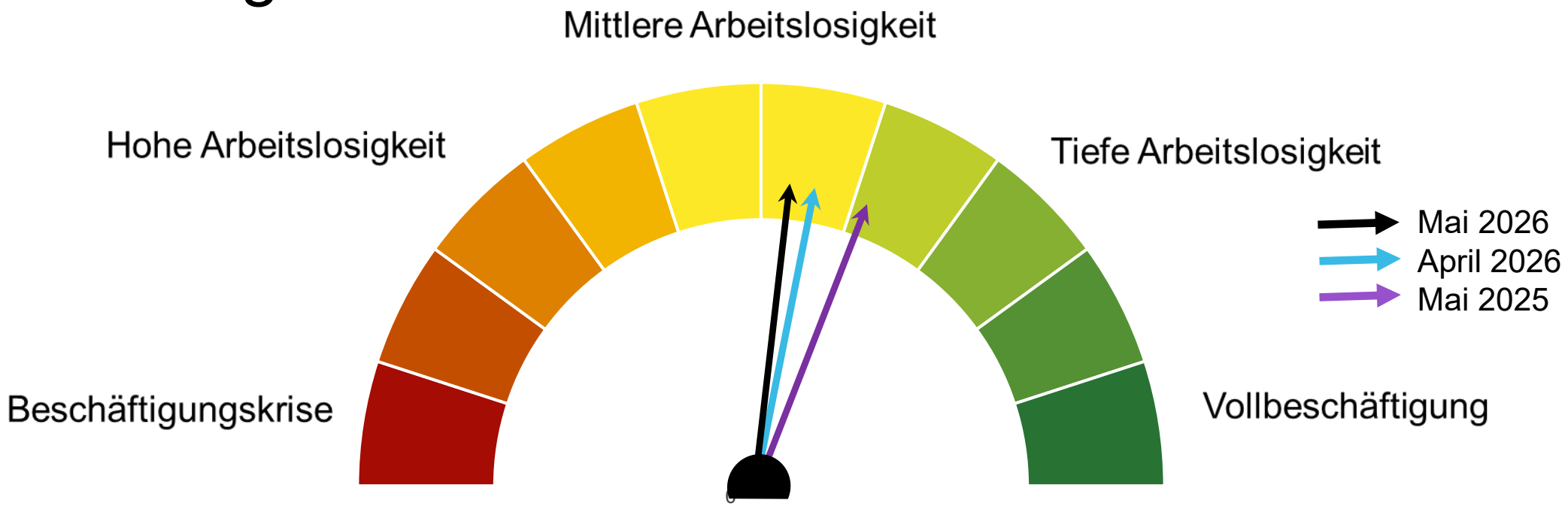
Nirush Srikanthan
Wirtschafts-, Energie- und Umweltdirektion
Amt für Wirtschaft | Führungsunterstützung | Wirtschaftspolitik

Konjunktur



Positive Entwicklung	**Negative Entwicklung**
- Moderates BIP-Wachstum - Erholung des Industriesektors	- Schwache inländische Nachfrage - Steigende Inflation aufgrund des Ölpreisschocks - Anhaltender Krieg im Nahen Osten

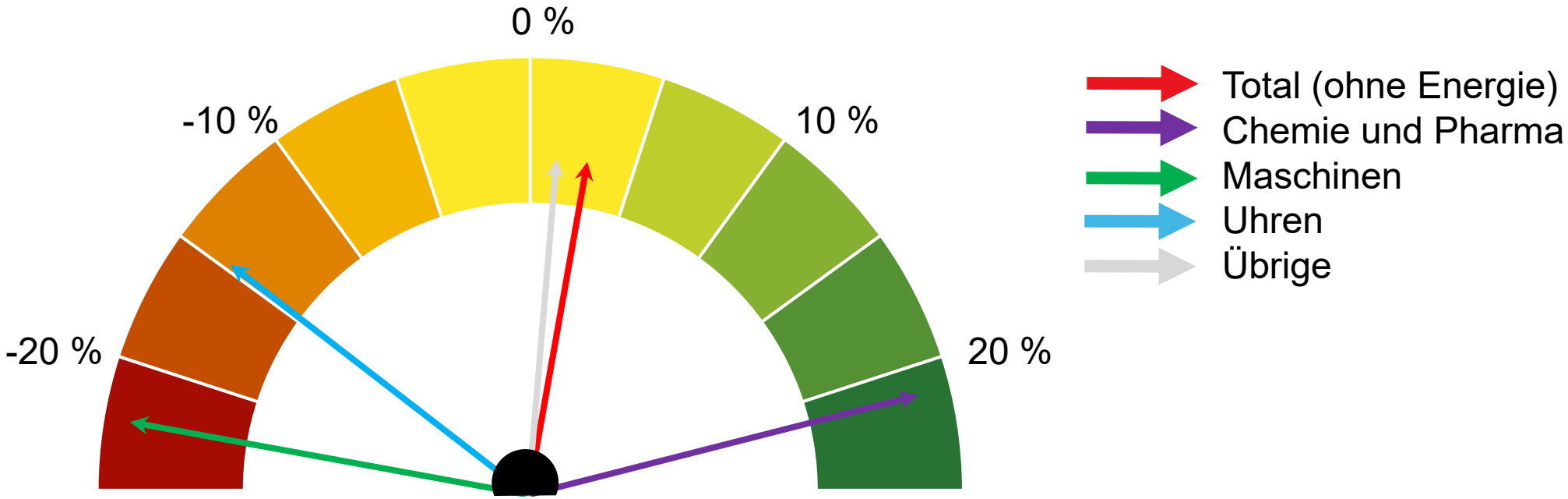
Arbeitslosigkeit



Positive Entwicklung	**Negative Entwicklung**

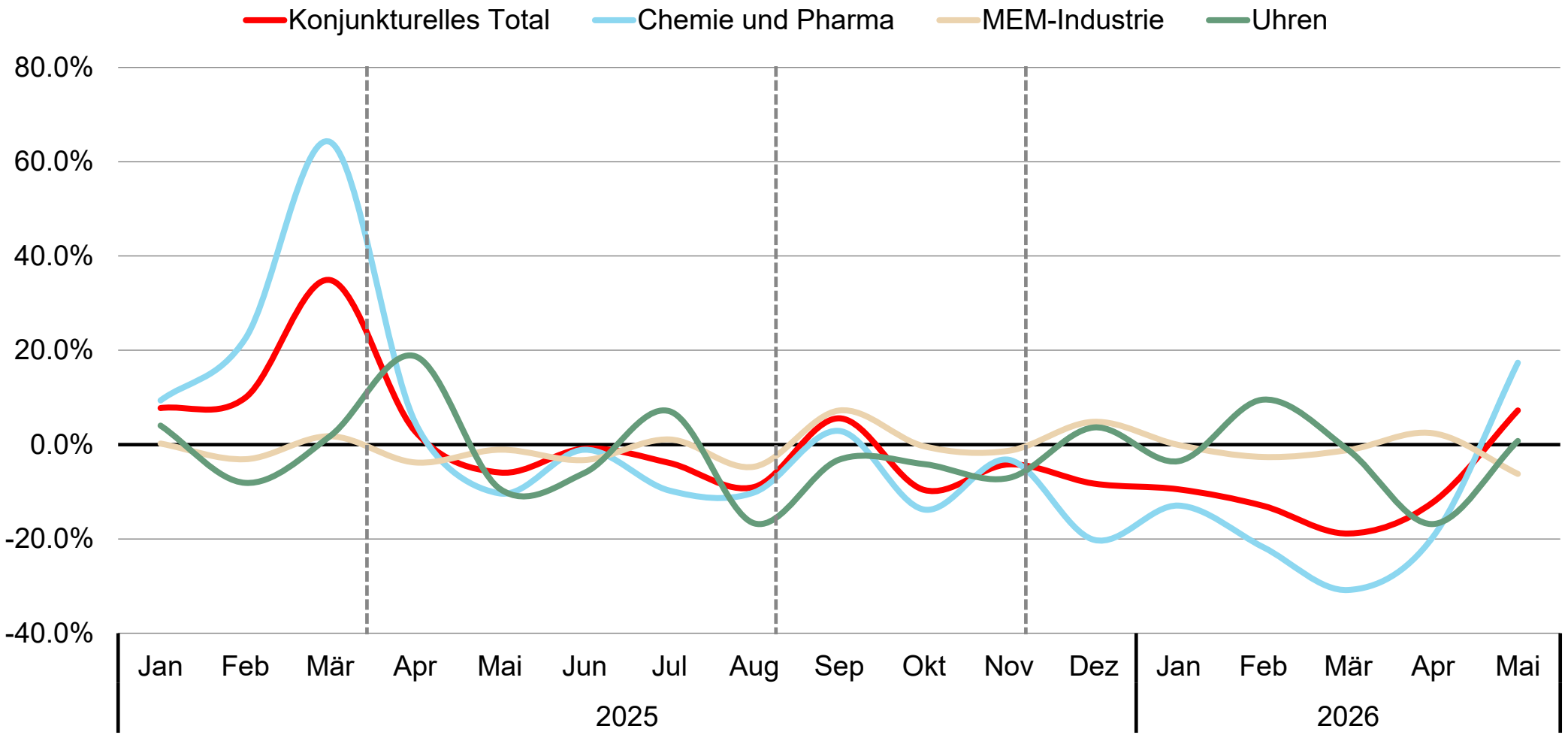
- Saisonaler Rückgang im Bau- und Gastgewerbe
- Weiterer Abnahme in der MEM-Branche

Warenexporte Q1 2026 ggü. Vorquartal

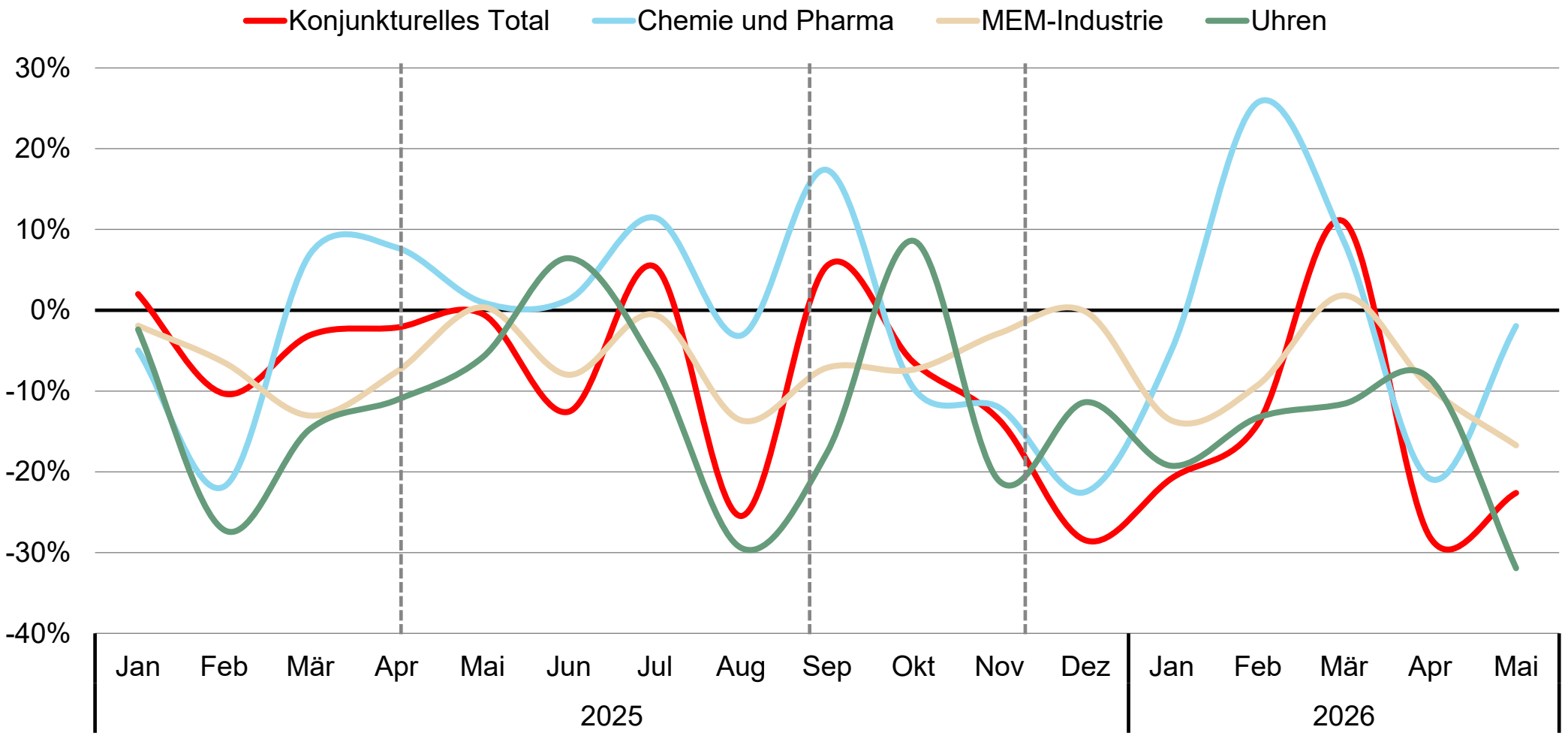


Positive Entwicklung	**Negative Entwicklung**
- Wachstumstreiber Chemie- und Pharmabranche	- Deutliche Abnahme Maschinen und Uhren - Hohe Volatilität

Exportentwicklung der Schweiz zum Vorjahresmonat



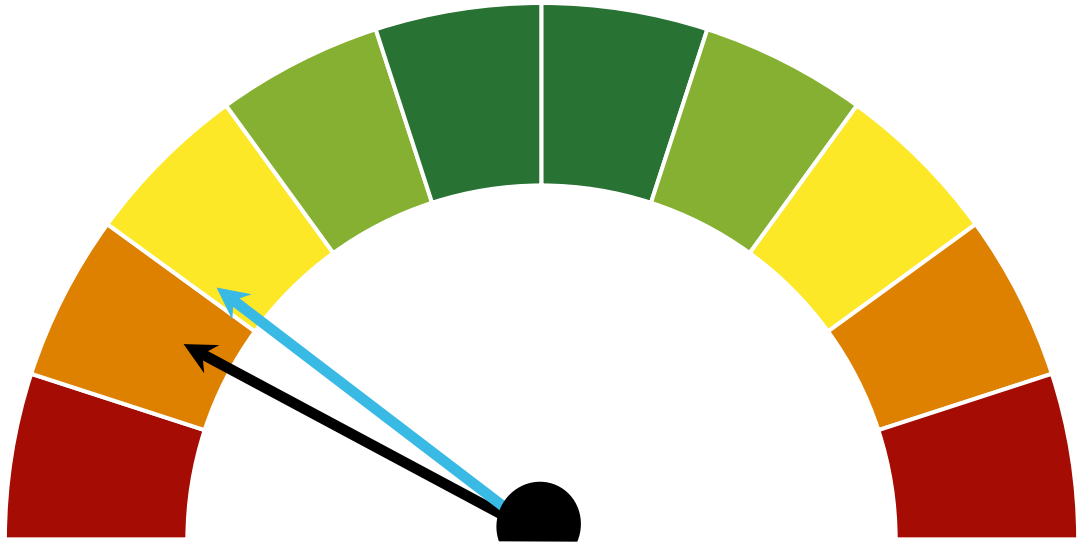
Exportentwicklung im Kanton Bern zum Vorjahresmonat



Prognose

4. Quartal 2026
1. Quartal 2027

Konjunktur



Arbeitslosigkeit

Chancen	Risiken
- Rahmenabkommen zwischen USA und Iran - Wiederöffnung der Strasse von Hormuz	- Kriegerische Konflikte - Anhaltend hohe Energiepreise - Aufwertung des CHF

Fragen?

KoWiPol

Die Tätigkeiten des Eichamts

Olivier Schwaar
Wirtschafts-, Energie- und Umweltdirektion
Amt für Wirtschaft | Arbeitsbedingungen

Kanton Bern
Canton de Berne

Arbeitsbedingungen (AB)

Dr. Kräuchi Thomas krth
Stv. Lavanchy Rachel

Stab AB
Glauser Susanne glsu
Müller Barbara muba
Lernende / Praktikant

Arbeitsmarktaufsicht (AMA)

Hochuli Ursula hour
Stv. Lüthi Christoph luch

Ausländische Erwerbstätige
Lüthi Christoph luch
Herrmann Stella hest
Reber Belinda rebe
Rocco Natascia rona
Thomann Angélique than

Meldestelle
Räss Bruno rabr
Barresi-Walle Maria bam1
Chevrolet Jenny chje
Freiburghaus Karin frka
Milucky Natascha min1
Rodriguez Alicia roal
Rohr Sabrina rosa
Welti Ruth weru

AVG / KAMKO
Feijoo Marcos fema
Mengene Olcay meol
Morina Samir mosa
Roos Pia ropi
Steffenon Denise stde
Wälchli Marianne wam2

AMKBE Arbeitsmarkt-kontrolle Bern

Arbeitssicherheit & Gesundheitsschutz (ASGS)

Stämpfli Christof stc2
Stv. Hofer Adrian

Arbeitszeit- und Marktaufsicht
Pecchio Alessandro pea1
Brunner Philippe brph
Riedel Denise ride
Stettler Beat stb1

Eichkreise BE 1 bis 4
1 - Rüegsegger Thomas
2 - Rufener Bruno
3 - Schwaar Oliver
4 - Schärer Bastien

Administration
Begert Marion bema
Marolda Stefania mast
Eyer Christian eych

Inspektion Region Nord
Benidir Michael bem2
Cardi Marc cam2
Na Champassak Sara nac1

Inspektion Region Mitte
Schönmann Thomas sct4
Gygax Sibylle gysi
Grau Franziska grfr
Kurmann Martin kum2
Lehmann Matthias lema

Inspektion Region Süd
Hofer Adrian hoad
Hauser Heinz hahe
Jost Lukas jol1
Reymond Michel rem2
Schneider Michael scm9

Chronometerkontrolle (UBB)

Lavanchy Rachel lara
Stv. Ieronimo Nicola ieni

Qualität und Technik
Morina Enes moe1
Stv. Villars Isabelle vii1
Billy Magalie bim2
Maraachli Naël mana

Zertifizierung
Ieronimo Nicola ieni

Services
Villars Isabelle vii1
Stv. Morina Enes moe1
Belahsene Gabriele beg1

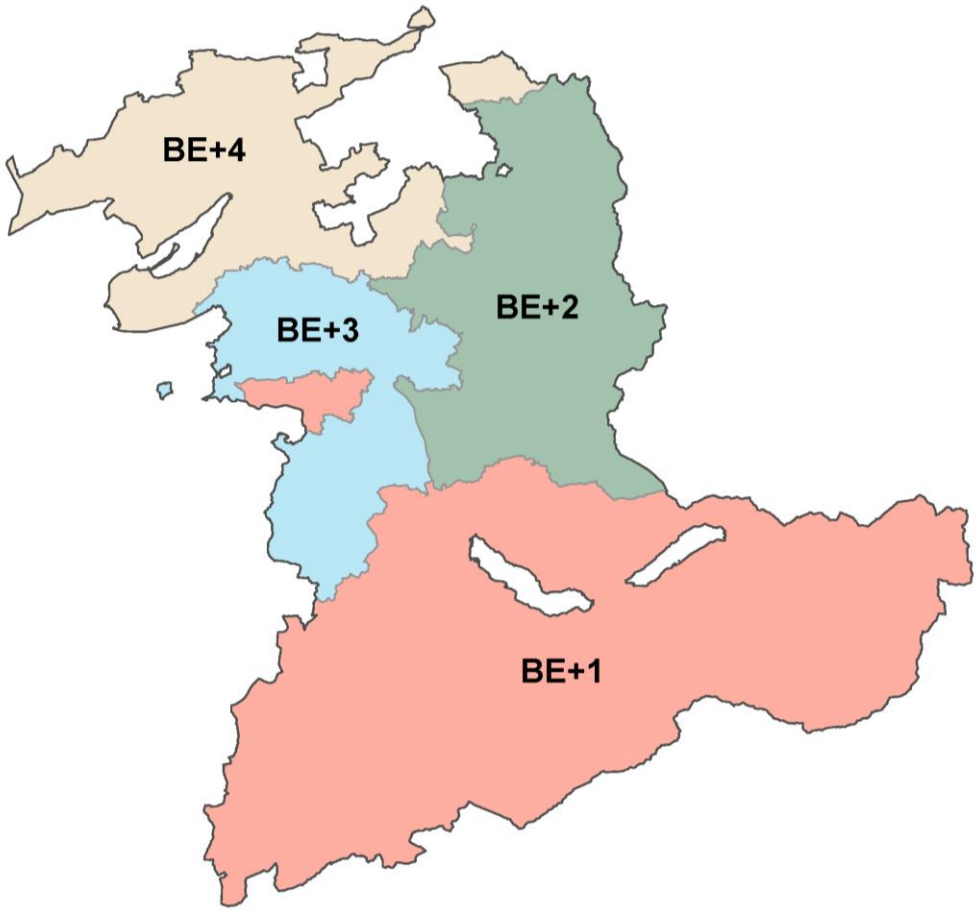
Team 1
De Vos Maëlle dema
Stv. Guarnieri Fabrice gufa

Team 2
Guarnieri Fabrice gufa
Stv. Schnegg Sébastien shse

Team 3
Schnegg Sébastien shse
Stv. Labenishti Ledion lale

Team 4
Labenishti Ledion lale
Stv. De Vos Maëlle dema

Eichkreise im Kanton Bern



4 Eichmeister betreuen rund:

- 8’000 Kunden
- 18’000 Messmittel

Selbstständig mit Leistungsvertrag

Oliver Schwaar

- Geomatiker
- Eichmeister BE+3 seit 2007

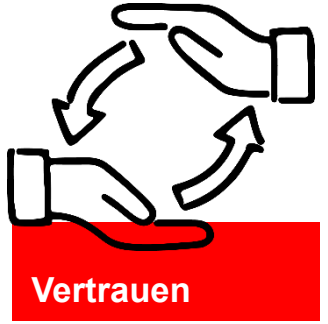
- Prüfungsexperte HFP Eichmeister
- Leiter Kompetenzzentrum Sicherungsermächtigung

- Feuerwehrinstruktor
- Kynologe

Die Haupttätigkeiten des Eichamts

Verfahren zur Erhaltung der Messbeständigkeit	**Kontrolle von in Betrieb stehenden Messmitteln**
Marktüberwachung	**Kontrolle von neu in Verkehr gebrachten Messmitteln**
Nachschau	**Kontrolle ob Messmittel korrekt verwendet werden**
MeaV	**Kontrolle im Offenverkauf und bei Herstellern von Fertigpackungen**

Beispiele



Mitwägen von Taramaterial bei Fleisch (CHF 85.-- / Kg) im Offenverkauf:
3 g Papier x 100 Kunden x 260 Tage = **CHF 6630.--** im Jahr.

Ausnutzen der Fehlergrenzen in der Industrie: Abfüllanlage für Schokolade (CHF 2.-- / 100 g):
5400 Stk./h x 22 Std. x 7 Tage x 52 Wochen = 43‘243‘200 Stk.
43‘243‘200 Stk. x 0.1 g = **CHF 86‘486.--** im Jahr.

Ausnutzen der Verkehrsfehlergrenzen (1.0 %) bei einem Milchverarbeiter mit 130 Mio. L Jahresannahme: Preis: CHF 0.55 / Liter: = **CHF 715‘000.--** im Jahr.

Ausnutzen der Fehlergrenzen (1.0 %) beim Heizölkauf (CHF 95.-- / 100 L) pro Tankfahrzeug à 30‘000 L = **CHF 285.--** pro Ladung.

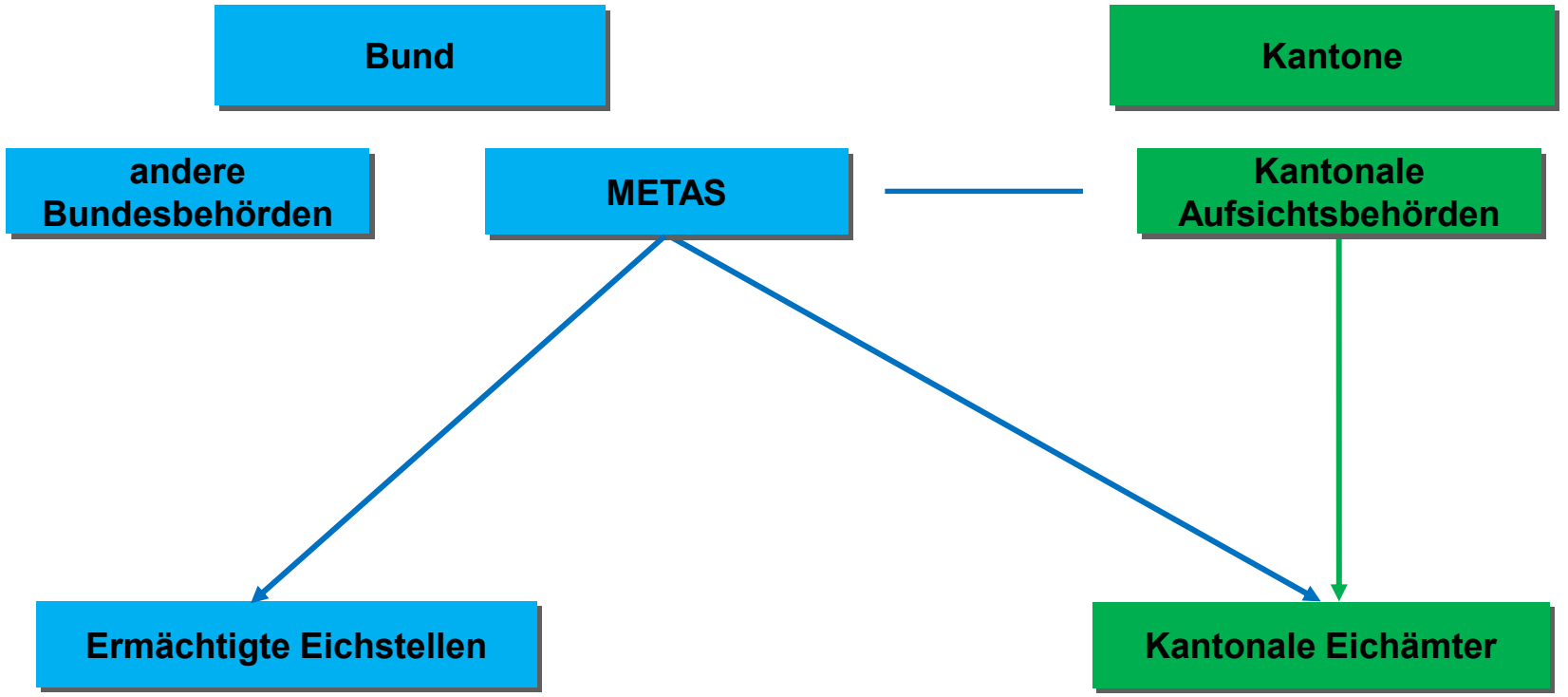
«eichen»

- aus dem lateinischen «aequare» (gleichmachen).
- Nicht zu verwechseln mit kalibrieren oder justieren.
- Schutzbedürfnis und gesetzliche Grundlage muss vorhanden sein.

Messmittel in folgenden Kategorien sind betroffen

- Handel und Verkehr
- Gesundheit von Mensch und Tier
- Schutz der Umwelt
- Öffentliche Sicherheit
- Amtliche Feststellung von Sachverhalten

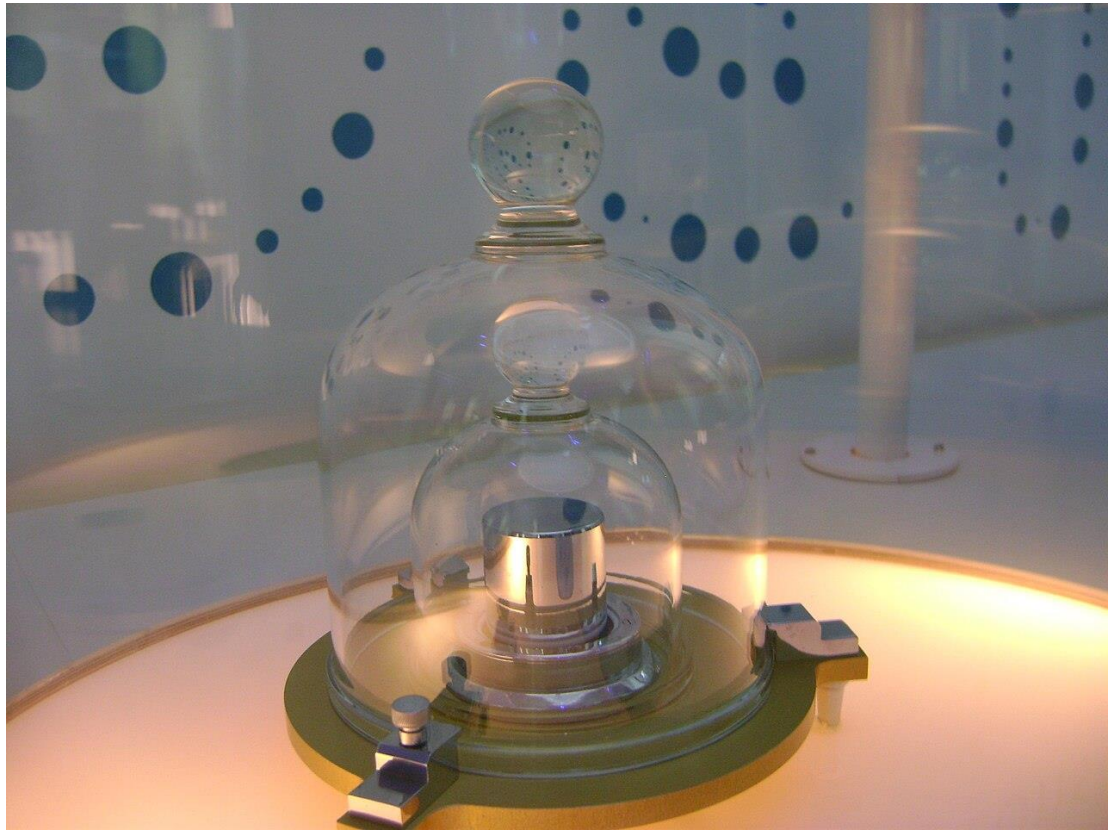
Strukturen


Bund
Kantone
andere Bundesbehörden
METAS
Kantonale Aufsichtsbehörden
Ermächtigte Eichstellen
Kantonale Eichämter

Gesetzliche Grundlagen

- Bundesverfassung Art. 125
- Bundesgesetz über das Messwesen (SR 941.20)
- Spezifische Verordnungen zu den einzelnen Messmitteln
- Verordnung über die Zuständigkeiten im Messwesen (SR 941.206)
- Verordnung über das Mass- und Gewichtswesen (BSG 941.11)

Rückverfolgbarkeit



Qualität

Waagen

Verordnung des EJPD über:

- Nichtselbsttätige Waagen
- Selbsttätige Waagen

Waagen

Verordnung des EJPD über:

- Nichtselbsttätige Waagen
- Selbsttätige Waagen

Waagen

Verordnung des EJPD über:

- Nichtselbsttätige Waagen
- Selbsttätige Waagen

Waagen

Verordnung des EJPD über:

- Nichtselbsttätige Waagen
- Selbsttätige Waagen

Waagen

Verordnung des EJPD über:

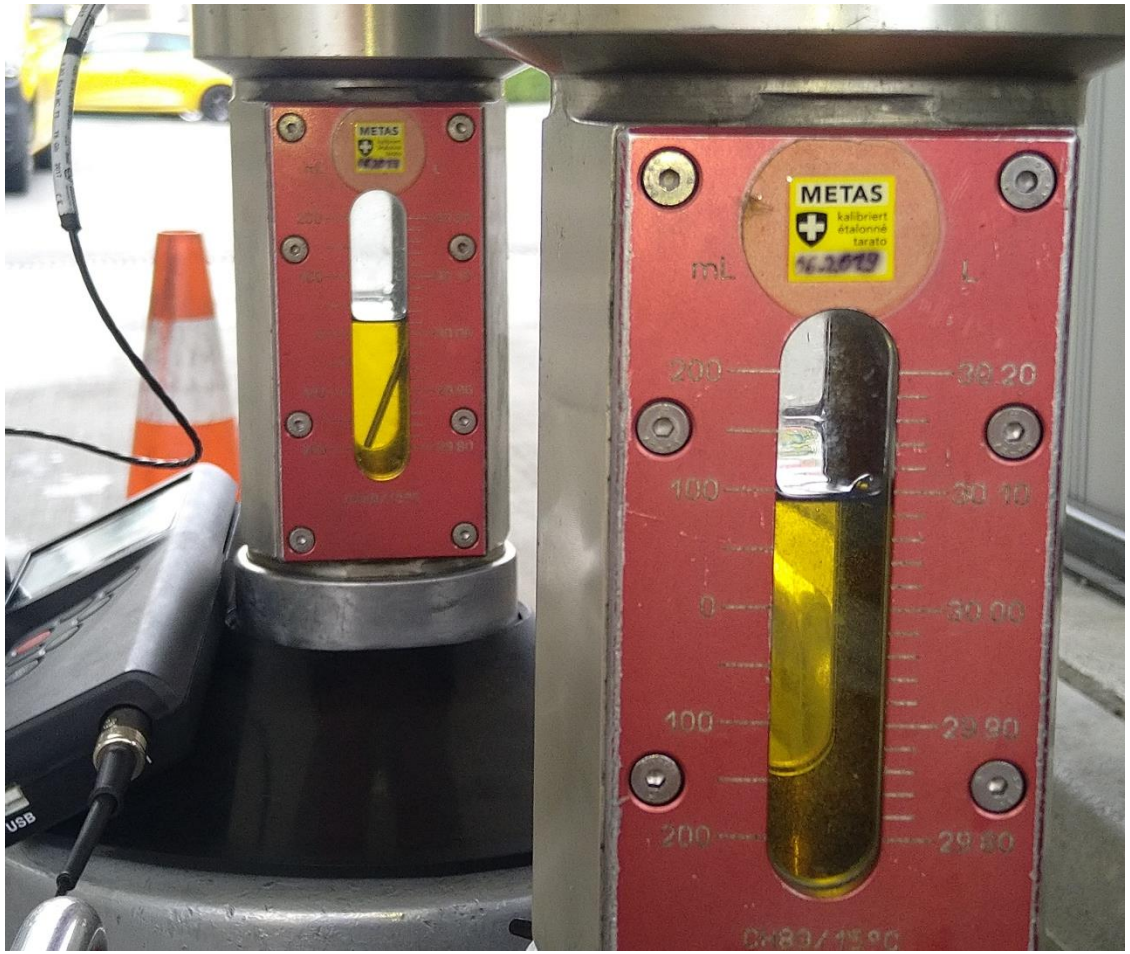
- Nichtselbsttätige Waagen
- Selbsttätige Waagen

Tankstellen, Tankfahrzeuge und Tanklager

Verordnung des EJPD über:

- Messanlagen für Flüssigkeiten ausser Wasser
- Längenmessmittel

Tankstellen, Tankfahrzeuge und Tanklager



Verordnung des EJPD über:

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Tankstellen, Tankfahrzeuge und Tanklager

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Tankstellen, Tankfahrzeuge und Tanklager

Verordnung des EJPD über:

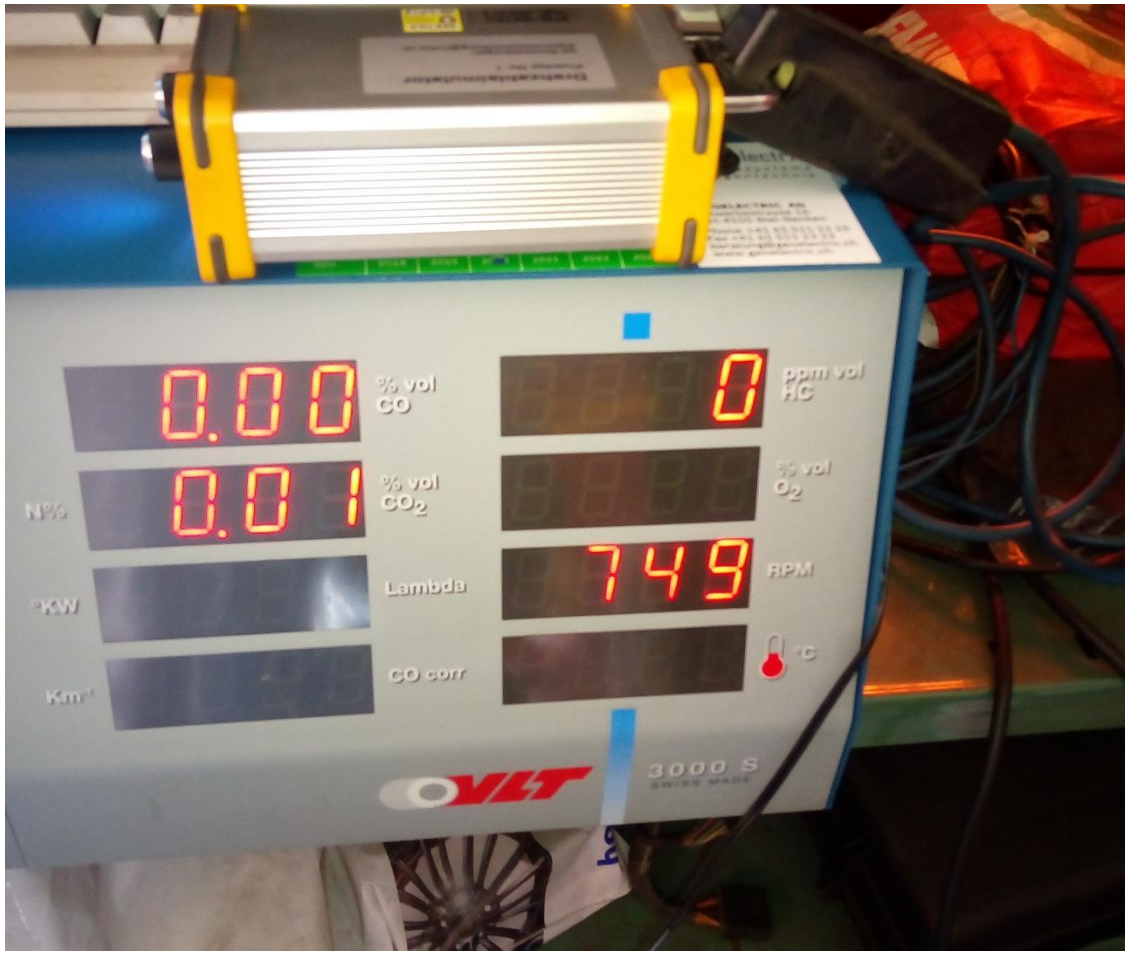
- Messanlagen für Flüssigkeiten ausser Wasser
- Längenmessmittel

Abgasmessgeräte

Verordnung des EJPD über:

- Abgasmessgeräte für Verbrennungsmotoren

Abgasmessgeräte



Verordnung des EJPD über:

- Abgasmessgeräte für Verbrennungsmotoren

Mehrdimensionale Messmittel

Verordnung des EJPD über:

- Längenmessmittel

Fertigpackungen und Offenverkauf

Verordnung des EJPD über:

- die Mengenangabe im Offenverkauf und auf Fertigpackungen

Fertigpackungen und Offenverkauf

Verordnung des EJPD über:

- die Mengenangabe im Offenverkauf und auf Fertigpackungen

Fertigpackungen und Offenverkauf

Verordnung des EJPD über:

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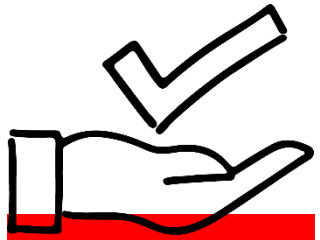
Fertigpackungen und Offenverkauf

Verordnung des EJPD über:

- die Mengenangabe im Offenverkauf und auf Fertigpackungen

Instruktion für Verwender von Messmitteln



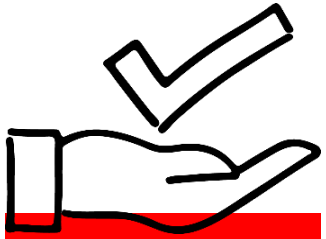
Fragerunde

Danke für Ihre Aufmerksamkeit!

Kontakt

Eichamt BE+3
Oliver Schwaar
be.3@eichaemter-bern.ch
+41 31 951 53 41

Fragen?



Kanton Bern
Canton de Berne

KoWiPol

Neues aus der Session
Sommersession 2026

Daniel Bhend
Wirtschafts-, Energie- und Umweltdirektion
Amt für Wirtschaft | Führungsunterstützung | Wirtschaftspolitik

Behandelte Geschäfte AWI (1/2)

- M 228-2025 (Grosjean, GLP): Ein attraktiver Stiftungsstandort entlastet die öffentlichen Finanzen.
  Antrag RR: Ziff. 1: Annahme und Abschreibung / Ziff. 2: Annahme als Postulat
  Grosser Rat: Ziff. 1: Annahme (ohne Abschreibung) / Ziff. 2: Annahme

- M 273-2025 (Studer, SP): Wirtschaftlich tragbare Wohnungen für die Bevölkerung erhalten und fördern
  Antrag RR: Ziff. 1: Ablehnung / Ziff. 2: Annahme als Postulat
  Grosser Rat: Ziff. 1: Annahme als Postulat / Ziff. 2: Annahme als Postulat

Behandelte Geschäfte AWI (2/2)

- Motion 255-2025 (Schneider, SVP): Ausweitung weiterer Tourismusstandorte untersuchen.
  Antrag RR: Ablehnung
  Grosser Rat: Ablehnung

- I 029-2026 (Buri, GLP): Bedeutung der Personenfreizügigkeit für Schlüsselbranchen im Kanton Bern
- I 188-2025 (Reinhard, FDP): Modernisierung und Vereinfachung der Verordnung über das Mass- und Gewichtswesen (MGV)

Weitere Geschäfte anderer DIR/Ämter

- M 221-2025 (Hess, FDP): Bauen statt blockieren: ISOS sachgerecht anwenden [FF: DIJ]
  - sicherstellen, dass Bundesinventar der schützenswerten Ortsbilder der Schweiz (ISOS) bei den Planungs-/Bauverfahren keine absolute Verbindlichkeit mehr hat

Antrag RR: Annahme und gleichzeitige Abschreibung bzw. Ablehnung
Grosser Rat: Annahme

Neue Geschäfte AWI (ohne Gewähr auf Vollständigkeit)

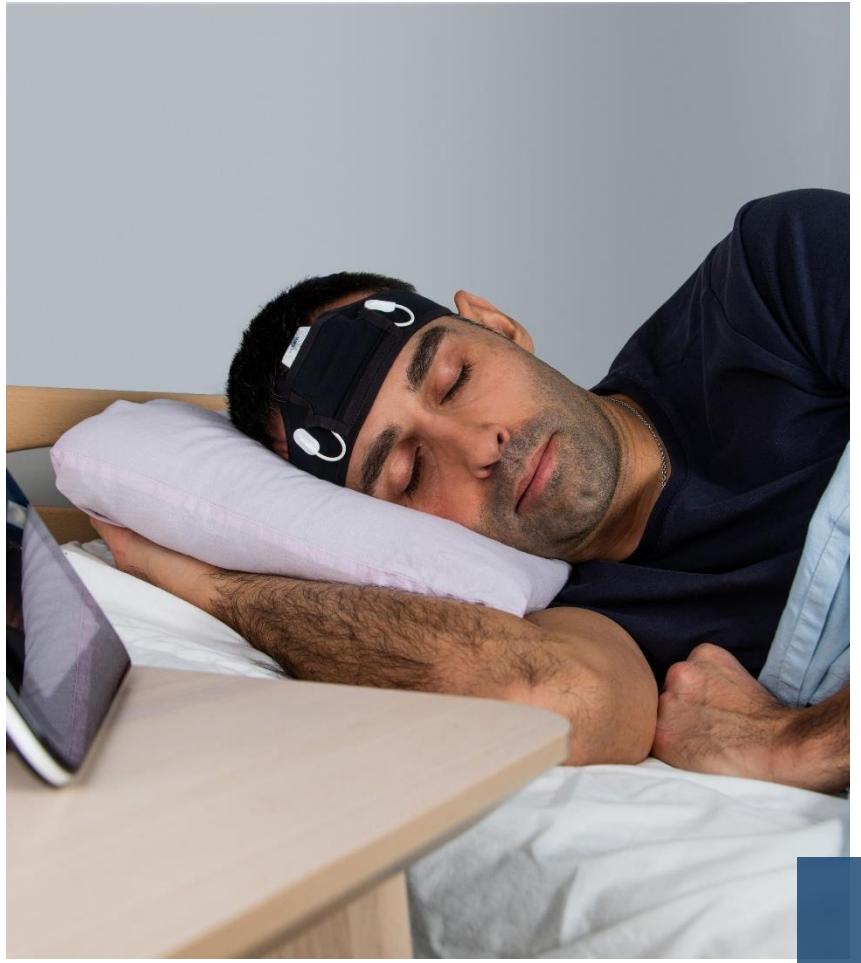
- M 154-2026 (Allenspach, SP): Mehr bezahlbarer Wohnraum: Jetzt muss der Kanton Bern eingreifen

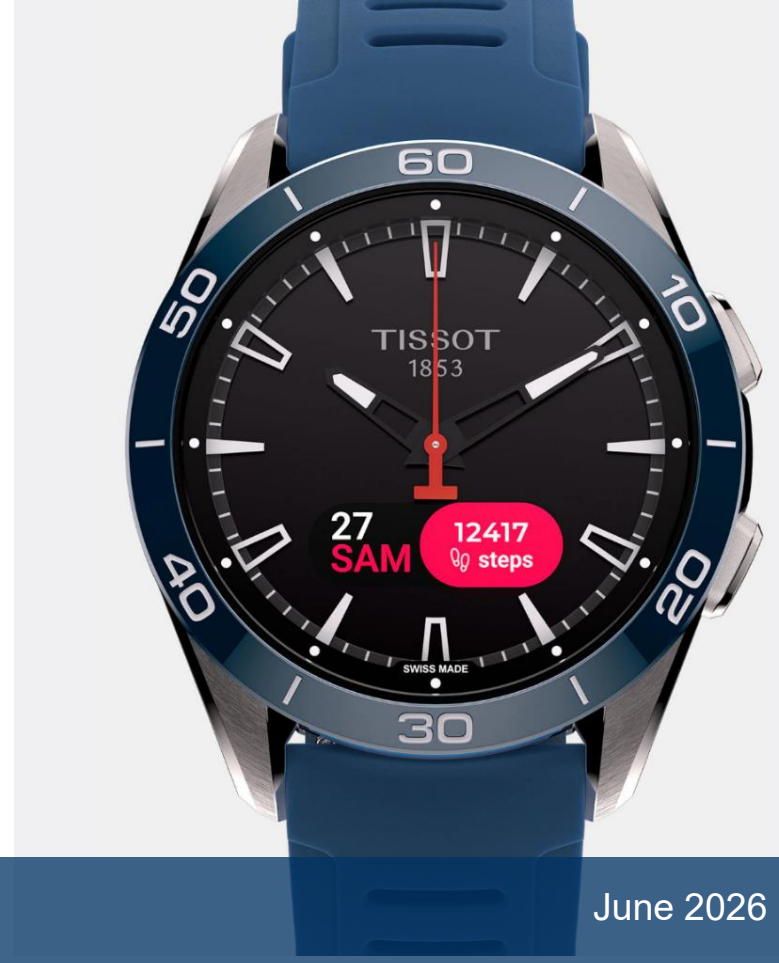
- I 142-2026 (Saïd, SP): Kommerzielle Plattformen für Kurzzeitvermietungen: Welche Folgen hat dies für den Wohnungsmarkt und die Mieten im Kanton Bern?

Fragen?

Kanton Bern
Canton de Berne

Networking-Pause





June 2026

Jens Krauss, VP Medtech

NEXT-GEN WEARABLES

ACCELERATING THE DIGITAL TRANSFORMATION IN HEALTHCARE

csem

40 YEARS OF INNOVATION

CSEM AT A GLANCE

We are a public-private, non-profit Swiss **technology innovation center**

We enable competitiveness by **developing and transferring world-class technologies to the industrial sector**

DNA: small, precise, low-power, wearable

1984
FOUNDED

>660
SPECIALISTS

>115
Mio TURNOVER in 2025

>220
PATENT FAMILIES

>50
VENTURES since 1984

csem 40 YEARS OF INNOVATION

APPLIED RESEARCH

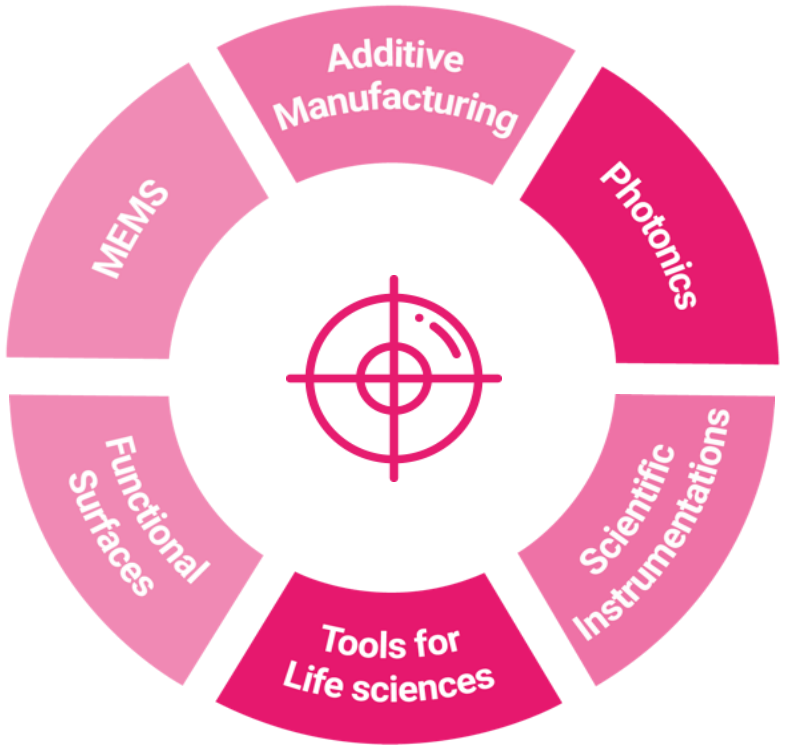
Development of deep tech building blocks through public funding

Valorization through direct industrial mandates following a full cost model

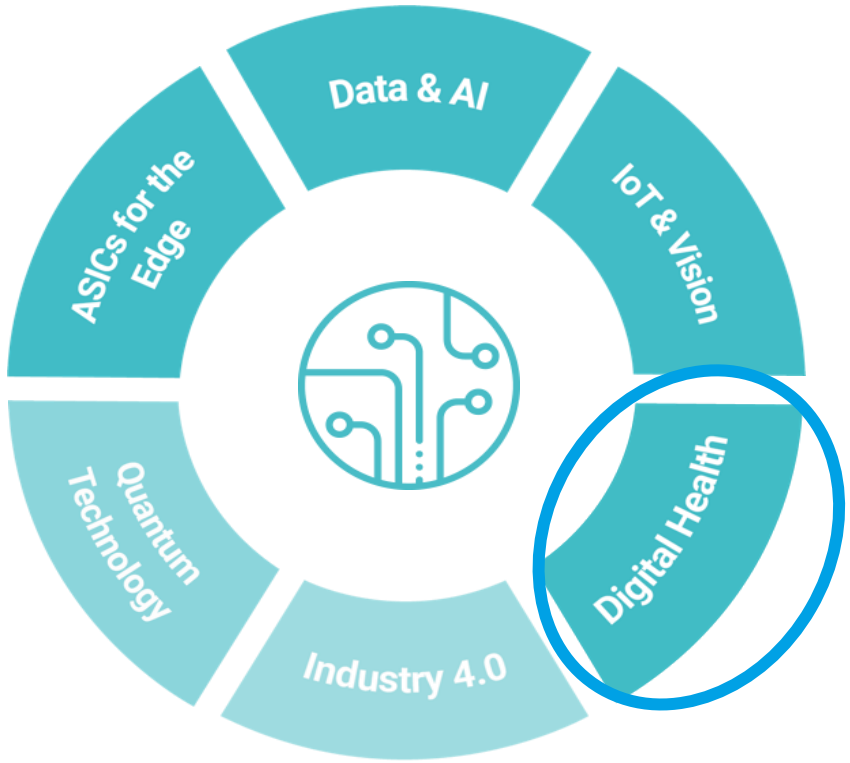
TECH TRANSFER

TECHNOLOGY FOCUS IN 3 RESEARCH PRIORITIES

Precision manufacturing



Digital technologies



Sustainable energies

csem 40 YEARS OF INNOVATION

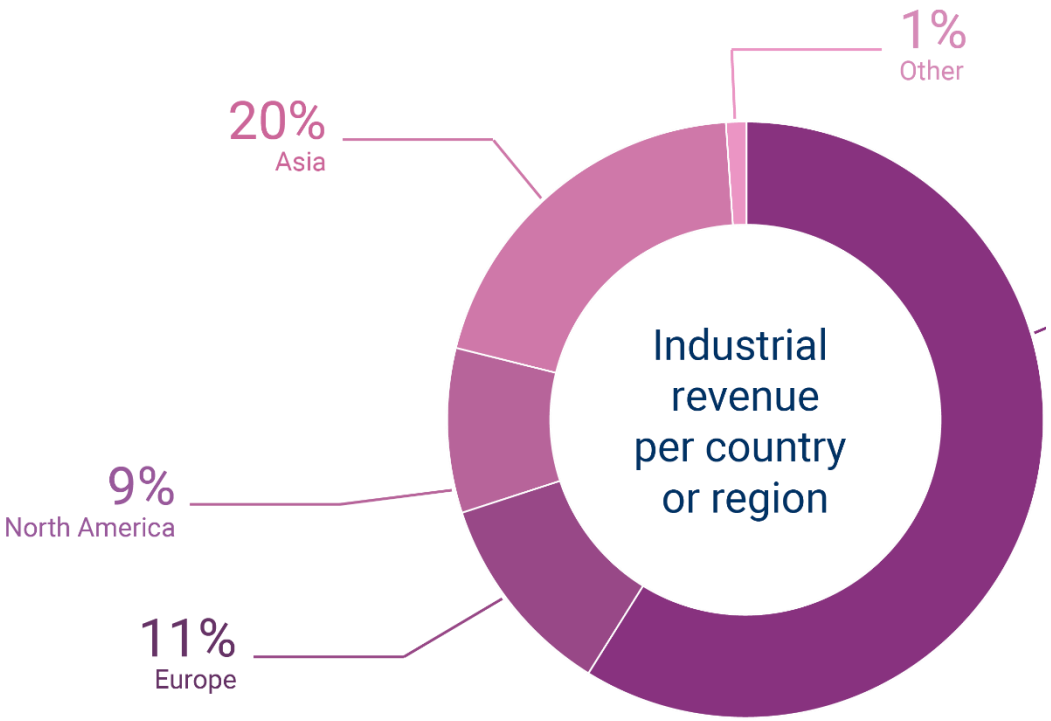
FULLY EMBEDDED IN THE RESEARCH ECOSYSTEM

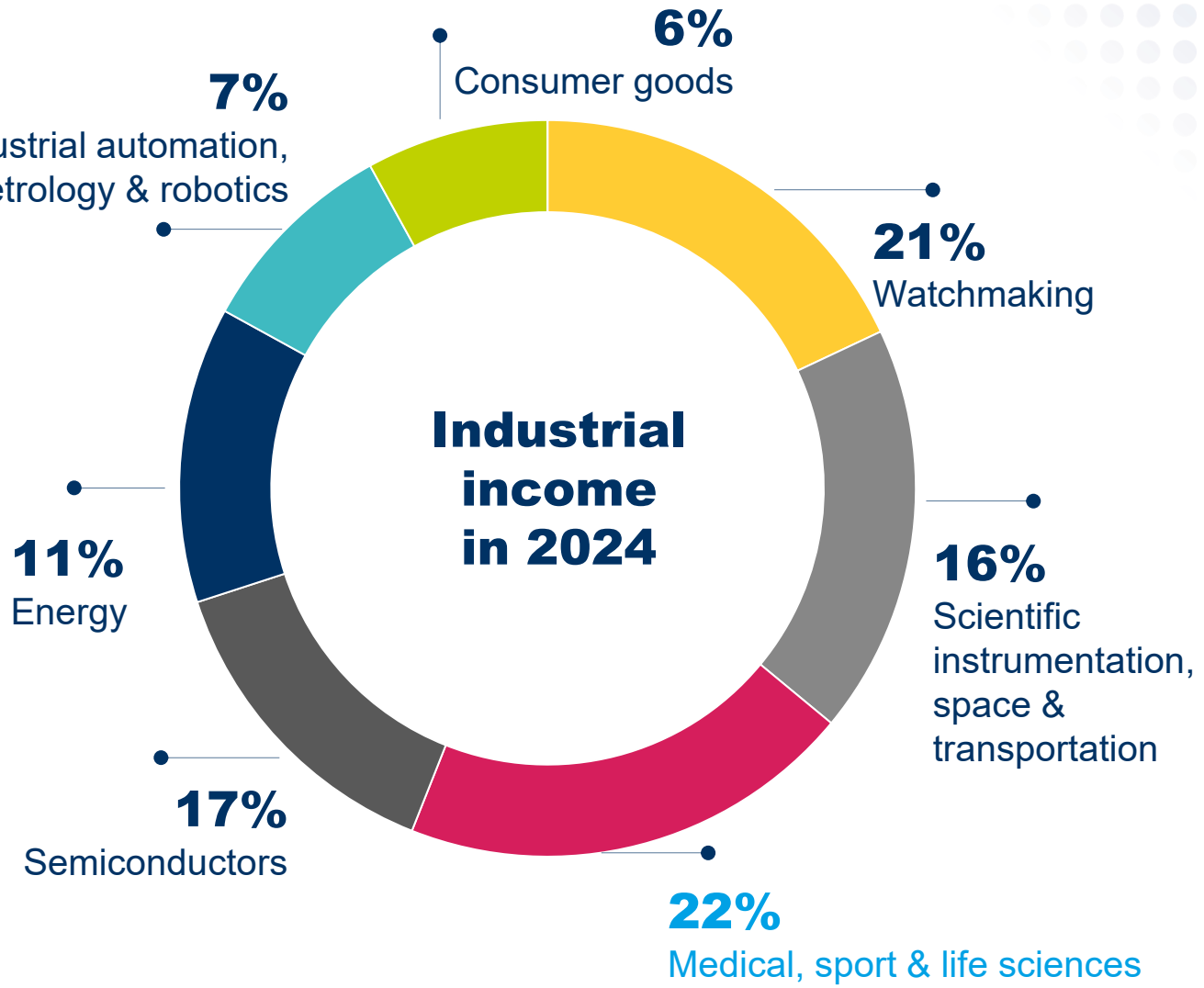
EPFL
Empa
Materials Science and Technology
ETH zürich
PAUL SCHERRER INSTITUT
PSI
OST
swissuniversities
INSELSPITAL
zhaw
SDSC
idiap
RESEARCH INSTITUTE
FH GR
HSLU
WYSS CENTER
n|w
Hes·so
FH
SUPSI
*and many more

HETEROGENEOUS TECHNOLOGY ALLIANCE

csem 40 YEARS OF INNOVATION

GLOBAL REACH AND SERVED MARKETS





MAKING HISTORY: SOME WORLD FIRSTS

1967

Quartz wristwatch

1995

Logitech Trackman Marble Trackball

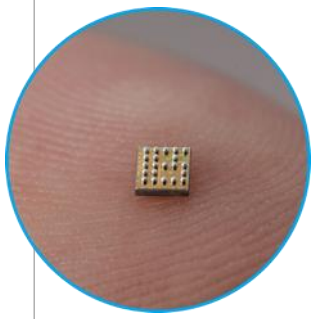
2002

Silicon thermo-compensated balance spring

2014

Pure white and colored photovoltaics panels

2017

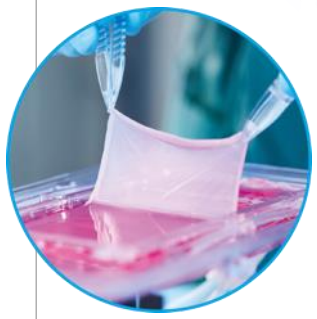


Smallest Bluetooth chip

2018

Cuffless optical blood pressure monitoring

2021

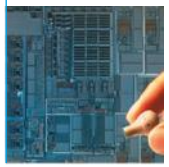


Machine for bioengineering personalized skin

csem 40 YEARS OF INNOVATION

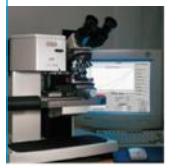
CREATION OF OVER 50 START-UPS, WITH SEVERAL SUCCESSFUL BUYOUTS

2005 — **Xemics** (1997) acquired by **Semtech Corp**.



2009 — **Neroxis** (2009) acquired by **Veolia Water technologies**

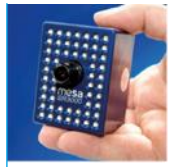
2013 — **CSM Instruments** (1998) acquired by **Anton Paar**



2013 — **Avalon Photonics** (2000) acquired by **II-VI Inc.**

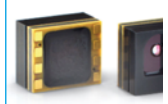
2013 — **Colibrys** (2001) acquired by **Sagem (Safran)**

2015 — **Mesa Imaging** (2006) acquired by **Heptagon**



2016 — **Snap Sensor** (2011) acquired by **Analog Devices**

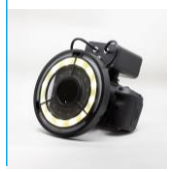
2016 — **Heptagon** (1993) acquired by **AMS**



2017 — **ViDi Systems** (2012) acquired by **Cognex**

2018 — **Hilo by Aktiia**

2022 — **MATIS**



2025 — **CCRAFT**

csem 40 YEARS OF INNOVATION

20%-GROWTH IN 2020-25

INCREASE OF SITES, HEADCOUNT AND TECHNOLOGY PLATFORMS

Outlook

- Expansion to **regions & abroad**
- Strengthening partnership with **ETH & University (Hospitals)**

POSITIONING IN MEDTECH

VISION

Empowering continuous selfcare everywhere

EXPLANATION

At BU-D, we envision a world where individuals can take control of their health through advanced, cost-efficient medical technologies.

We aim to transform disease management into continuous self-care empowerment, making healthcare more proactive, individual and accessible.

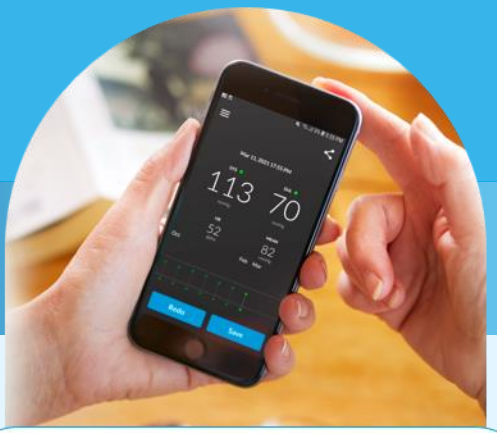
MISSION

We provide mobile medical tools that enable healthcare to be:

PREVENTIVE: Enabling early detection and proactive health management, empowering individuals to take control of their health and well-being.

PERSONALIZED: Adapting to individual health needs, ensuring that each user receives care tailored specifically to them.

COST-EFFICIENT: Breaking down financial barriers, providing lifetime continuous access to healthcare and clinical excellence.



IN SHORT:

Empower self-care **everywhere**, at **anytime** for **everybody** by providing mobile medical tools that enable preventive, personalized and cost-efficient healthcare.

csem 40 YEARS OF INNOVATION

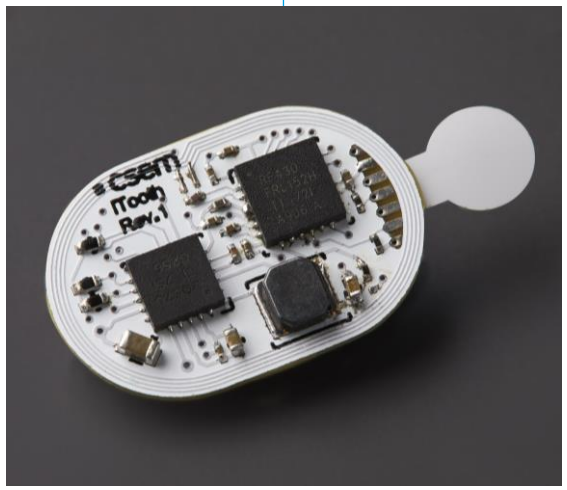
MEDTECH IS LINKED TO OUR ROOTS IN WATCHMAKING

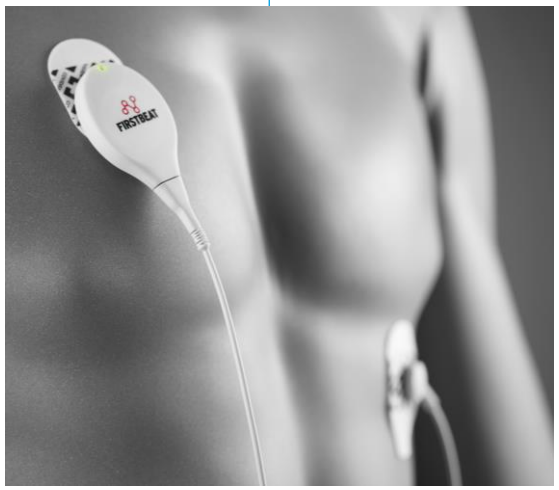
small & precise

complex & certified

portable & low-power

multidisciplinary





csem
40 YEARS OF INNOVATION

LINKING THE DOTS: DATA DRIVEN HEALTH TECH

TRACK RECORD IN MOBILE PATIENT MONITORING

ISO 13485 MEDICAL

Track record of +25 years in **consumer health** and **medical devices** to strengthen competitivity through:

- Patented vital sign sensor technologies
- ISO-13485 certification (since 2014)
- Multi-disciplinary integrated teams
- Located at the University Hospital Campus in Bern (2022)

INSELSPITAL
UNIVERSITÄTSSPITAL BERN
HOPITAL UNIVERSITAIRE DE BERNE
BERN UNIVERSITY HOSPITAL

UNIVERSITÄT BERN

csem

Bern Medtech Innovation Hub

bands & pods

glasses

patches

watches

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MEDTECH HISTORY

MAJOR MILESTONES

FOUNDATION OF PPG TECHNOLOGY

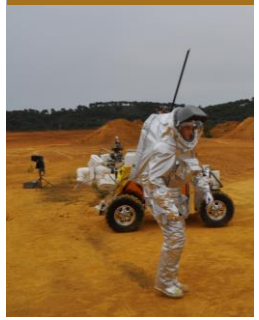
- First patent on PPG fitness/wellness applications

2001

FOUNDATION OF EXG TECHNOLOGY

- ESA-CSEM collaboration on the project LTMS

2003



TECH-TRANSFER IN SPORTS & MEDICINE

- PulseOn is a high-tech company in Finland based on CSEM technology bricks

2012

TECH-TRANSFER & CERTIFICATION

- AVA AG
- ISO 13485 certification

2014

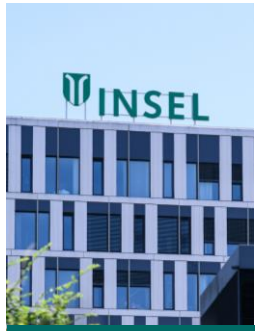
FOUNDATION OF OPTICAL BP & ARRYTHMIA TECHNOLOGIES

- First CSEM patent on cuffless oBPM™
- Sigma Med
- Aktiia SA

2018

MEDTECH EXPANSION

- New Canton support and Medtech offices on the Inselspital campus (BERN)



2022

TECH-TRANSFER

- Rheo
- Tissot Sports Connect
- LEAP Actigraph
- Festina smartwatch
- Inspiring

2024

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LATEST HEALTH DEVICE PRODUCT DEVELOPMENT

T-Touch Connect Sport: connected, secured, autonomous, long-lasting, witch sports features **(watch brand TISSOT)**

CSEM technology inside
PV cells, operating system, sensor and algorithms

Smart ring which tracks continuously human vital signs to improve fitness, sleep quality and, stress **(ring brand: Inspiring)**

CSEM technology inside
Human vital signs algorithm portfolio

FDA cleared multi-parameter remote monitoring platform to support large-scale patient-centric clinical (pharma) studies **(brand: Ametris)**

CSEM technology inside
Electronic reference design, algorithms (on-edge & cloud)

FDA cleared non-invasive, cuffless and continuous blood pressure monitor to manage hypertension via App **(brand: Hilo)**

CSEM technology inside
Spin-off company with IP and tech licensing on cNiBP

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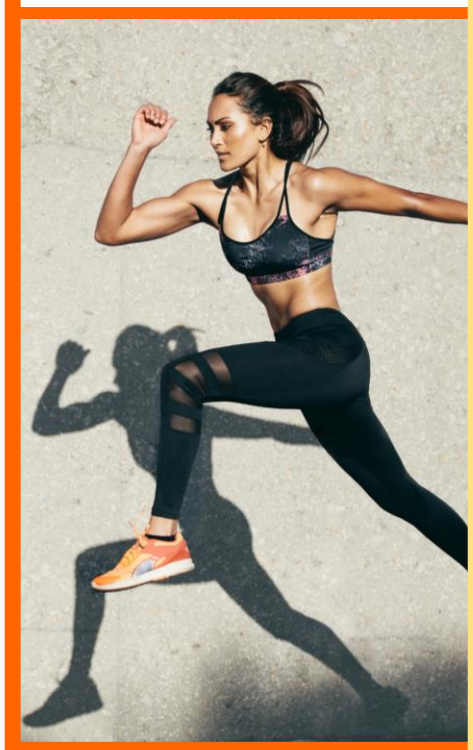
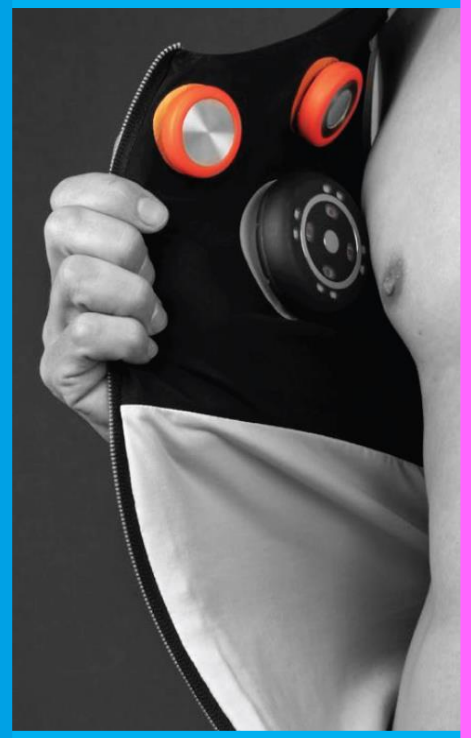
DIGITAL HEALTH TOOLS

TECHNOLOGY PILLARS AND KNOWHOW



Movement Analysis

Optics (PPG)



Biopotential & Bioimpedance

IoMT & Data Science

Medical Development & Validation

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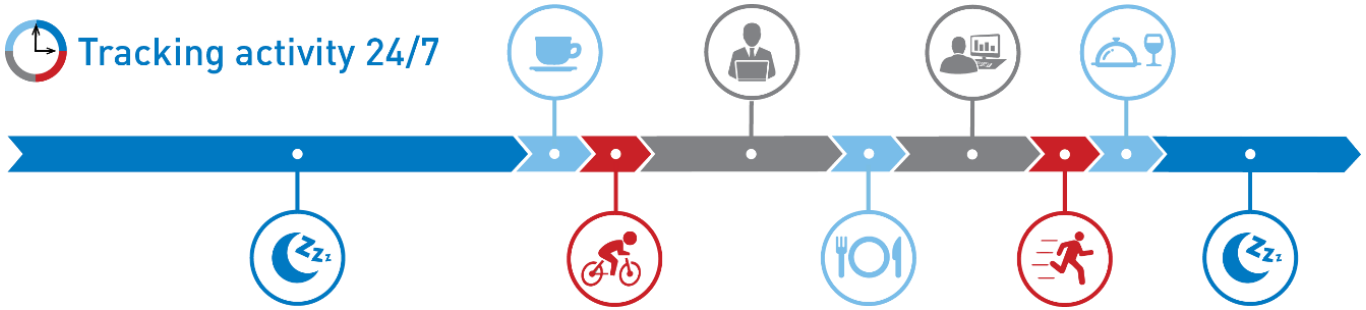
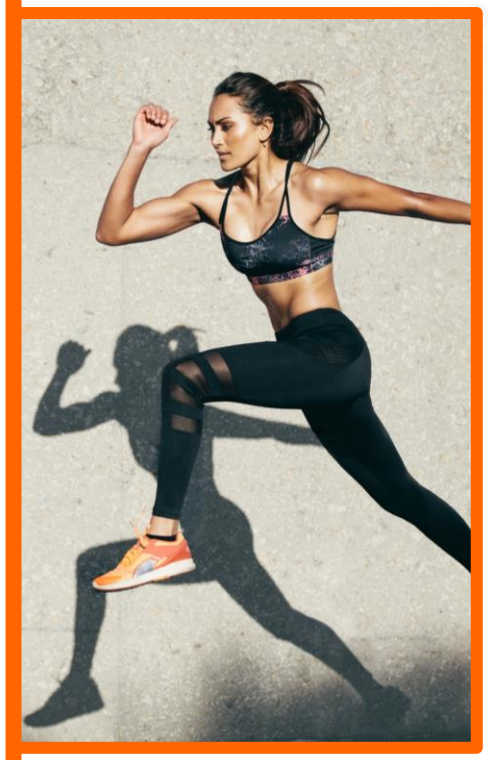
MOTION PROFILING IN ANY FORM FACTOR



- Activity classification
- Step count (accuracy 96.7%)†
- Gait analysis and posture
- Fall detection and prediction (95% of sensitivity, 90% precision @head)‡
- Sports performance monitoring (VO_2Max, MET, sleep quality, etc.)
- Gesture detection (wrist, head, finger etc.)

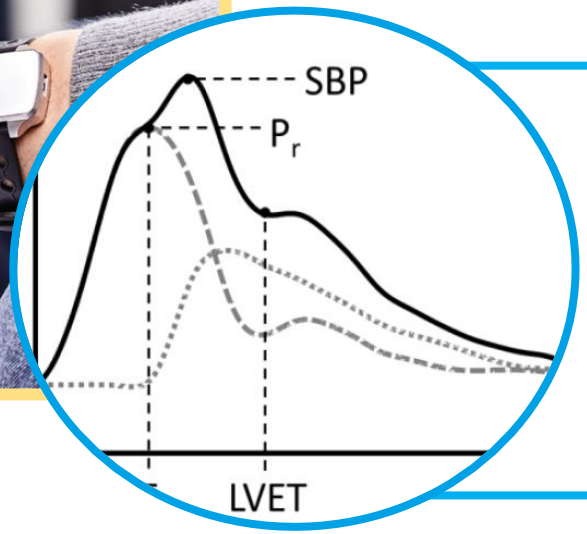
† Published by Actigraph
‡ Published with SONOVA



Movement Analysis

PULSE WAVE ANALYSIS

Optics (PPG)



AKTiiA

hilo

inspiring

rheo

GE HealthCare

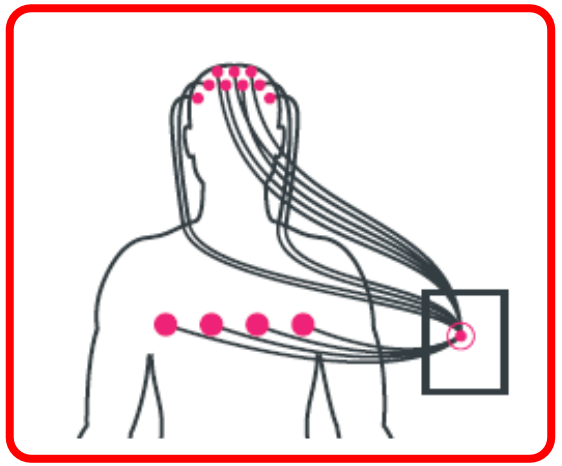
- Continuous, non-invasive, non-occlusive blood pressure monitoring
- HR/HRV-based features (EE, VO2max, Stress, Recovery, …)
- Arrhythmia Classifier / Arrhythmia Classifier (ECG / PPG)
- Calibration-free blood pressure
- Cardiovascular risk indicator
- Cardiac output monitoring
- Pulmonary artery pressure monitoring

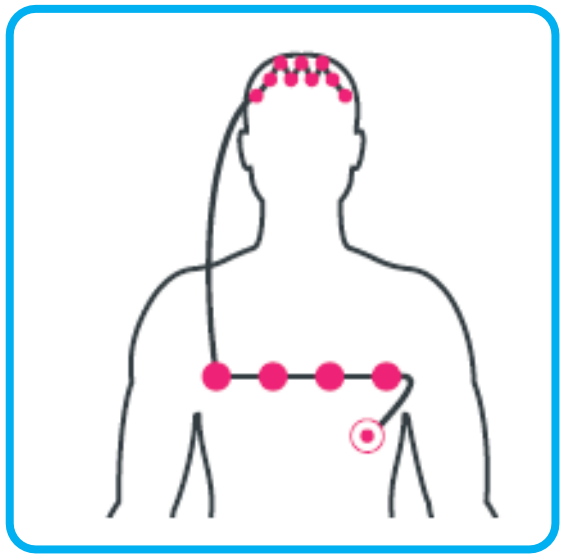
csem 40 YEARS OF INNOVATION

COOPERATIVE SENSORS: THE UNMET MEDICAL NEED

Simplify multi-channel biopotential & bioimpedance monitors

Biopotential & Bioimpedance



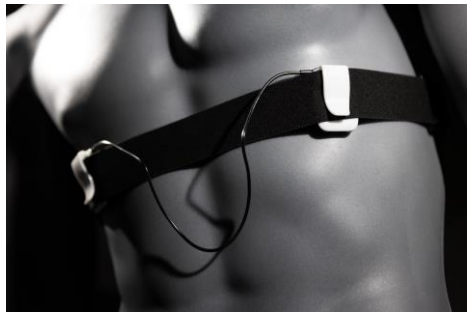


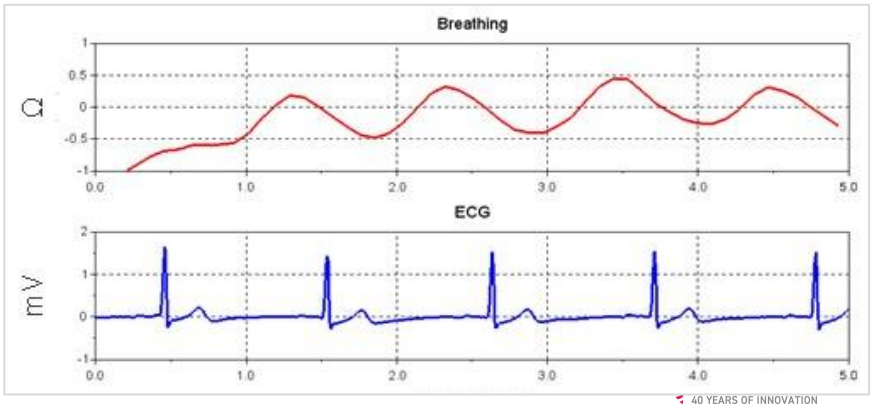
EEG

ECG

EMG

EIT





40 YEARS OF INNOVATION

DATA SCIENCE: ALGORITHM PORTFOLIO

Large data sets and extensive experience in data analysis and development of algorithms (classical, ML, AI).

Algorithm portfolio running either on-the-edge (devices) or in the cloud (IoMT digital stack solution):

- Human kinetics
- ExG (cardio / brain health)
- PPG based
- Sleep quality

SLEEP MONITORING

Parameter	Description	Body location*
Drowsiness	Detector of sleepiness or lethargy	
Total sleep time	Duration of actual sleep time during a sleep episode	
Sleep stage scoring	Classification of sleep (wake, deep and light)	
	Classification of sleep (wake, REM and NREM)	
Time in bed	Time from "Lights Out" to "Lights On"	
Sleep latency	Duration of time from bedtime to the onset of sleep	
Sleep quality	Sleep duration, sleep fragmentation and sleep cycles	

CARDIOVASCULAR MONITORING

Parameter	Description	Body location*
RR intervals	Interval of time between successive R waves (cardiac contractions)	
Heart rate	Number of beats per minute (bpm)	
Heart rate variability	Variation in the time interval between heartbeats	
Perfusion	Rate of blood delivery to a capillary bed	
SpO2	Blood oxygen saturation	
VO2	Instantaneous oxygen consumption	
VO2max	Maximum oxygen consumption	
EPOC	Excess post-exercise oxygen consumption after exercise	
Breathing rate	Number of breaths taken in a minute	
Blood pressure	Non-occlusive systolic/diastolic blood pressure measurement	
Arrhythmia classifier	Detection of various cardiac arrhythmias (atrial and ventricular fibrillations, ventricular premature beats)	
Stress level	Feature derived from autonomous nervous system balance (sympathetic vs parasympathetic)	
Pulmonary artery pressure	Non-invasive blood pressure in the pulmonary artery	
Pulmonary edema	Non-invasive determination of fluid accumulation in the lungs	
Stroke volume	Non-invasive measurement of the blood volume pumped each beat	
Stroke volume variation	Non-invasive stroke volume variation measurement	
Cardiac coherence	Rhythmic component that balances the nervous system (stress) and emotional state.	

HUMAN KINETICS MONITORING

Parameter	Description	Body location*
Activity	Automatic classification of sleep, rest, walk, run, cycle, and swim	
Posture	Automatic classification right/left lateral decubitus, ventral/dorsal decubitus, and standing	
Step count	# steps during walking and running	
Cadence	Instantaneous steps/min (walking, running, and cycling)	
Stride length	Length of single step from each gait cycle	
Traveled distance	Total distance (walking, running, and swimming)	
Speed	For walking and running	
Swim: Stroke count	Total number of left and right hand strokes in a lap	
Swim: Lap count	Number of pool lengths covered	
Swim style	Automatic classification of butterfly/crawl, backstroke and breast stroke	
Swim efficiency	SWOLF (stroke count + lap time)	
Workout	Duration of vigorous physical exercise or training session	
Fall event	Automatic detection of falls in daily life	
Energy Expenditure	Instantaneous MET or cumulated kcal of burned energy	
Foot impact strength	Maximum vertical impact absorbed by the foot when landing	
Foot impact zone	Distribution of the impact strength between heel, midfoot, and toes	
GCT	Ground contact time (in ms and %). Time a foot stays on the floor during a running gait cycle	
Right/left GCT balance	Distribution of the ground contact time between right and left feet	
Running efficiency	Overall performance and quality factor	
Jump counter	Detection of forward and vertical jumps	
Impact counter	Detection of individual large amplitude shocks	
Jump counter	Detection of forward and vertical jumps	
Impact counter	Detection of individual shocks greater than a certain acceleration	

IoMT & Data Science

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ULTEEM: PATIENT-CENTRIC, DATA DRIVEN BRAIN HEALTH

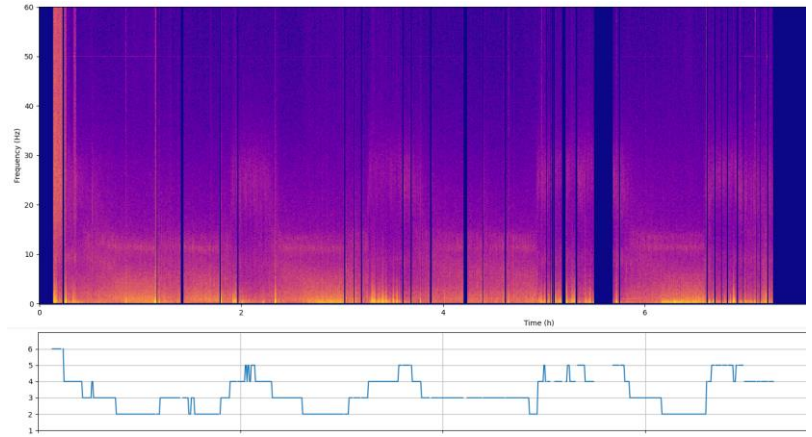
Cloud connected **IoMT solution** for mobile **EEG monitoring** pilots in clinics

Medical Development & Validation

Brain function biomarkers

- Cognitive states
- Sleep profiling

INSELSPITAL



- Acceptance in elderly ~70%
- Sleep staging accuracy 68 – 87%
- Sleep-based phenotyping

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INSELSPITAL
UNIVERSITÄTSSPITAL BERN
HÔPITAL UNIVERSITAIRE DE BERNE

2022: first offices on Insel-Campus

2023: extension of offices at SSC

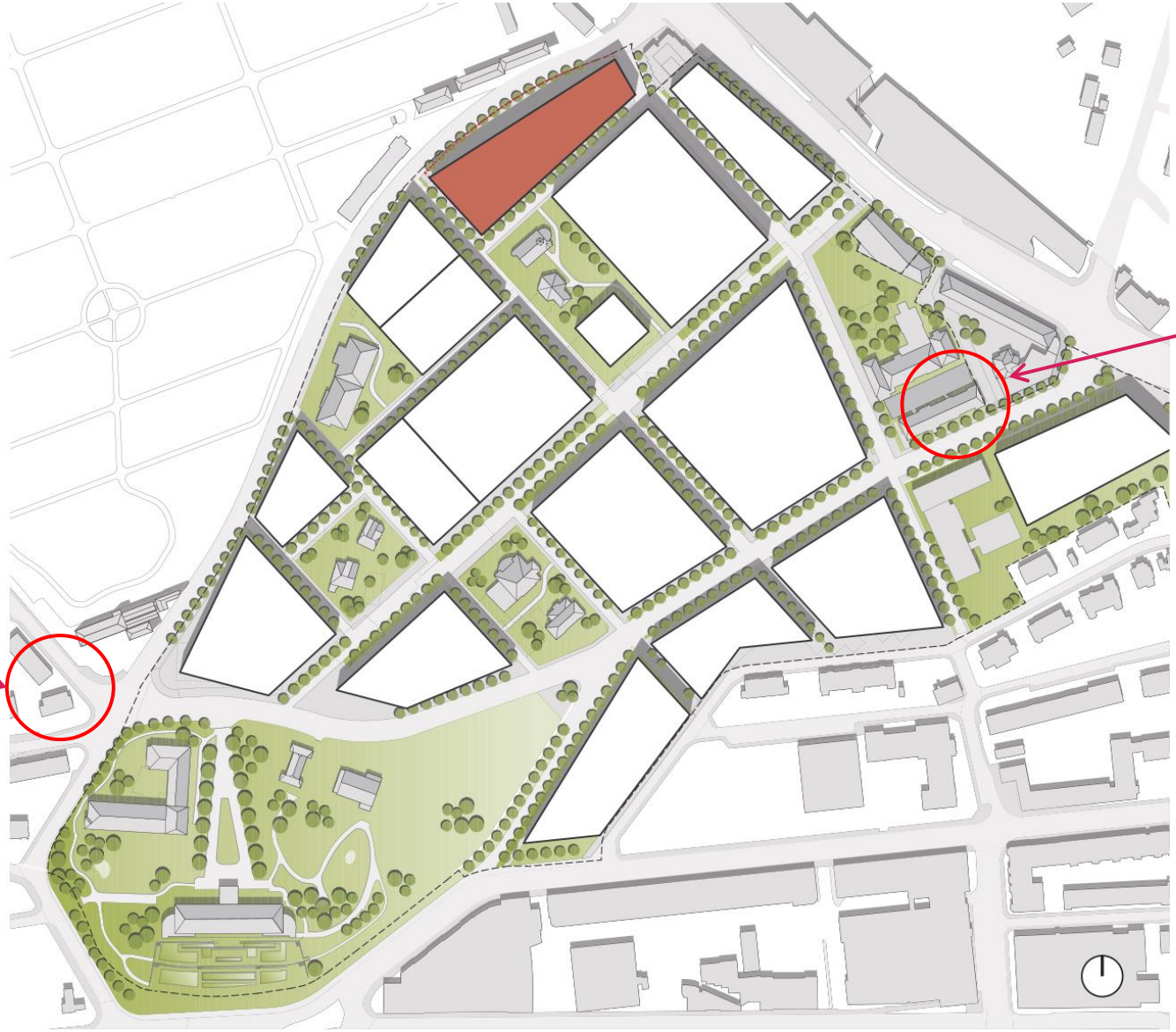
2024: extension of offices at Villa

2025: funding for 2026-28 period

Transfer and extension of existing digital health activity from Neuchâtel to Insel Campus

BERN MEDTECH INNOVATION HUB

LOCATION ON INSEL CAMPUS

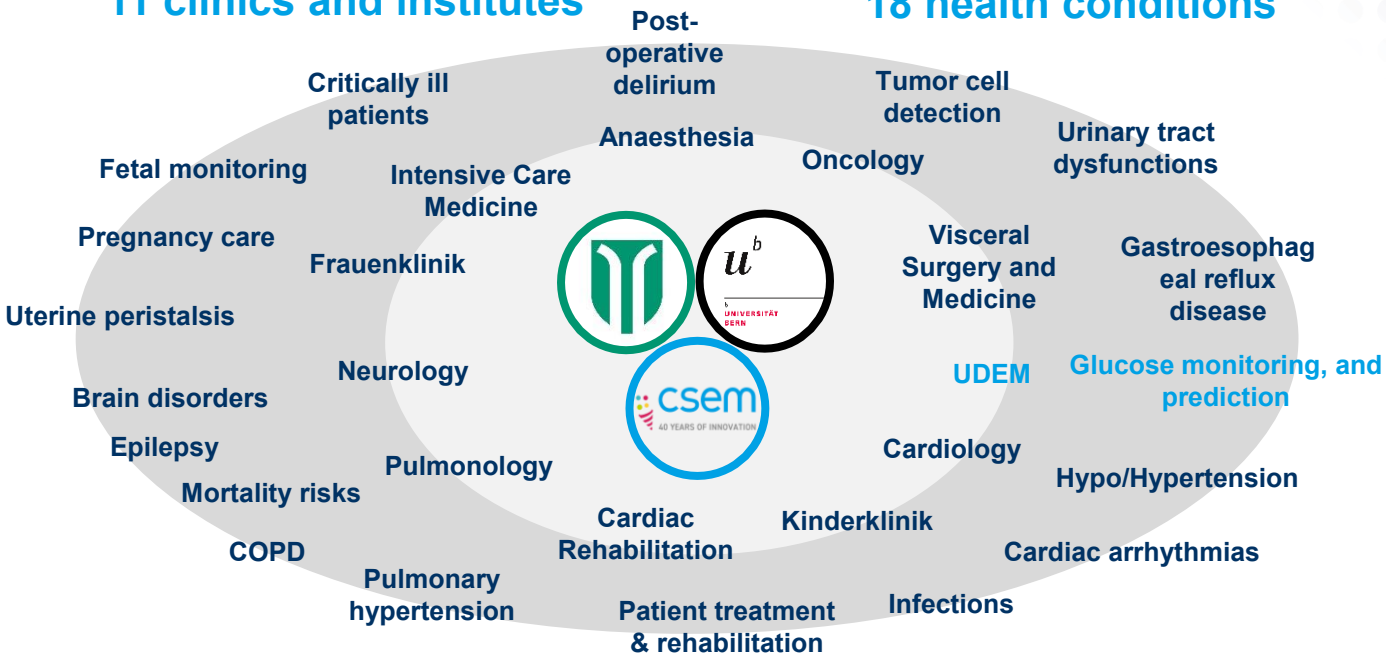


BERN MEDTECH INNOVATION HUB @INSEL-CAMPUS

Goal: accelerate **translation of innovative medical technologies** into clinics, society and industry

11 clinics and institutes

18 health conditions



Yearly research call in cooperation with UniBE and the University Hospital to use CSEM technologies in clinics

CSEM role
Lead BMCC call and provide technology platforms

Today a total of **29 projects** are running in 11 different clinics of the Universtiy Hospital in BE

Inselspital / UniBE role
Experts in clinics running pilots and reporting to CSEM

OBJECTIVES OF CSEM ACCELERATE PROGRAM

DRIVE TECH-TO-MARKET INNOVATION

We identify and support breakthrough start-up ideas that can transform industries. Entrepreneurs benefit from funding, mentorship, and strategic partnerships.

DEVELOP ENTREPRENEURIAL SKILLS

Through tailored training, workshops, and hands-on experience, we sharpen business acumen, leadership abilities, and foster a strong peer network.

STRENGTHEN THE SWISS START-UP ECOSYSTEM

We enhance start-up infrastructure and boost the visibility of Swiss ventures in global markets, attracting talent and investors.

TWO PILLARS

Inno Grant

- Dedicated to CSEM employees
- Up to 100 kCHF for subcontracting services for maximum period of 18 months

Booster Grant

- Targets external entrepreneurs, usually having higher business maturity
- Before incorporation only
- One year of employment at CSEM, can be extended by one year maximum

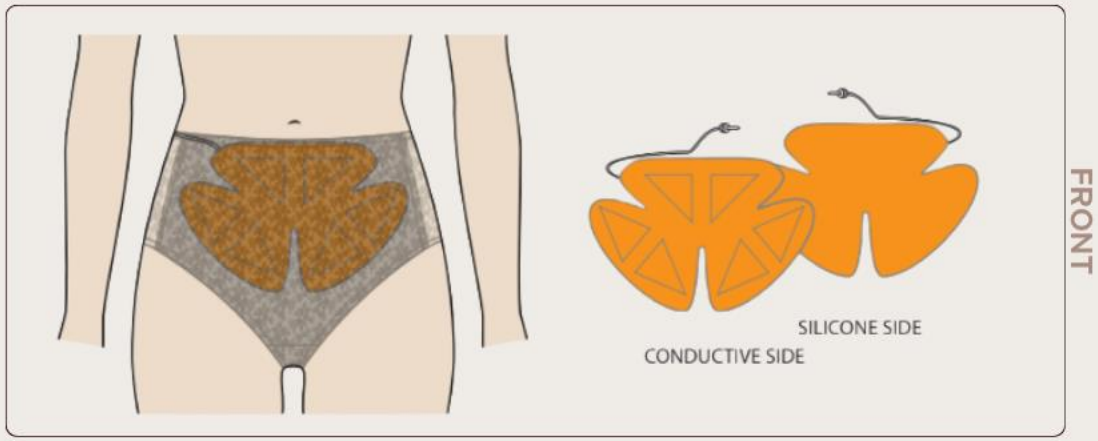
Lingerie for pelvic pain

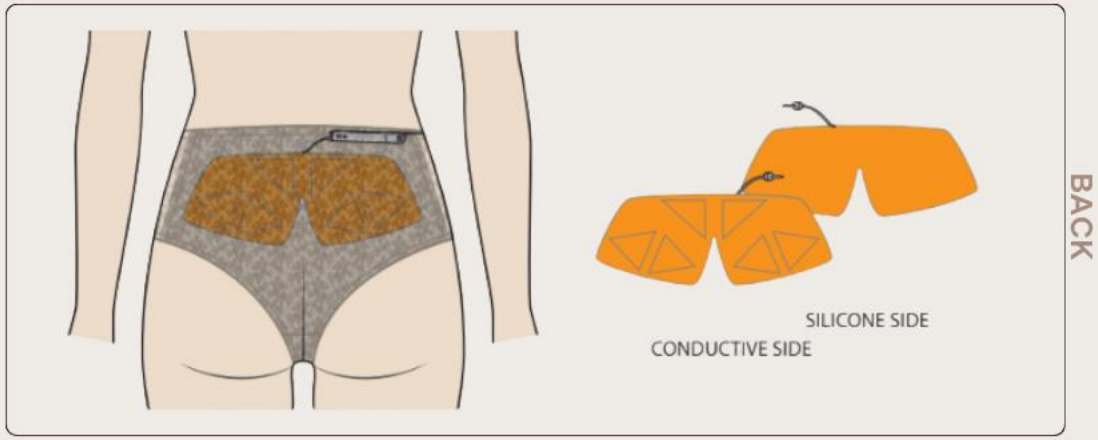
The first pain management system to work with your life

Paola Galeano
Founder & CEO | **CINDER AG**
Transforming the way the world manages pain

A true second-skin experience that adapts to *every*:

BODY | MOMENT



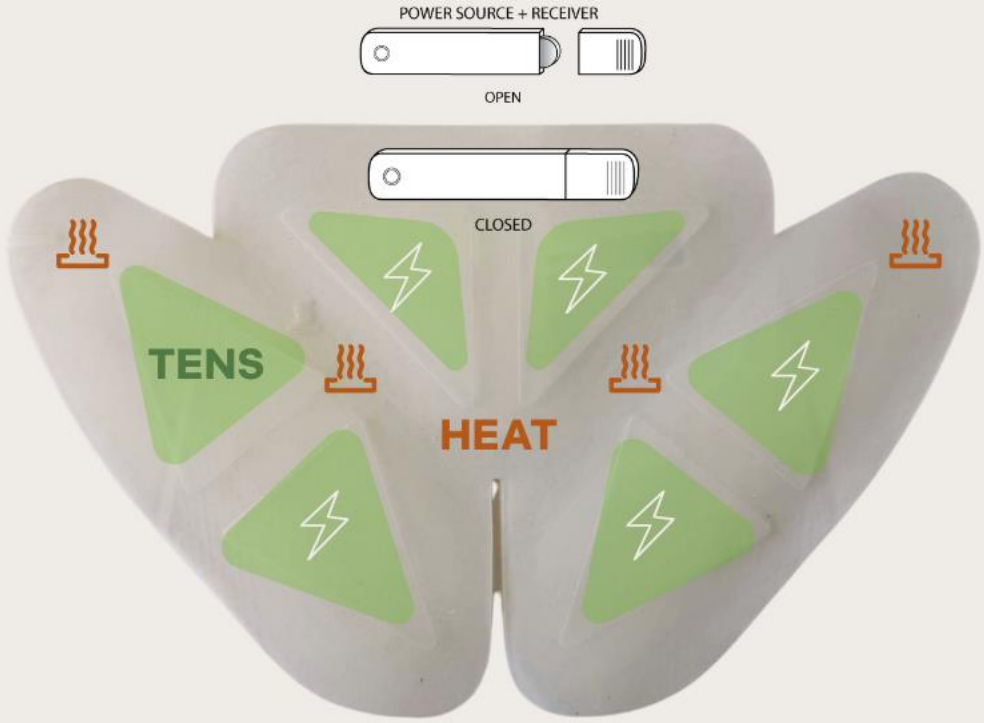


MSRP: 375 CHF

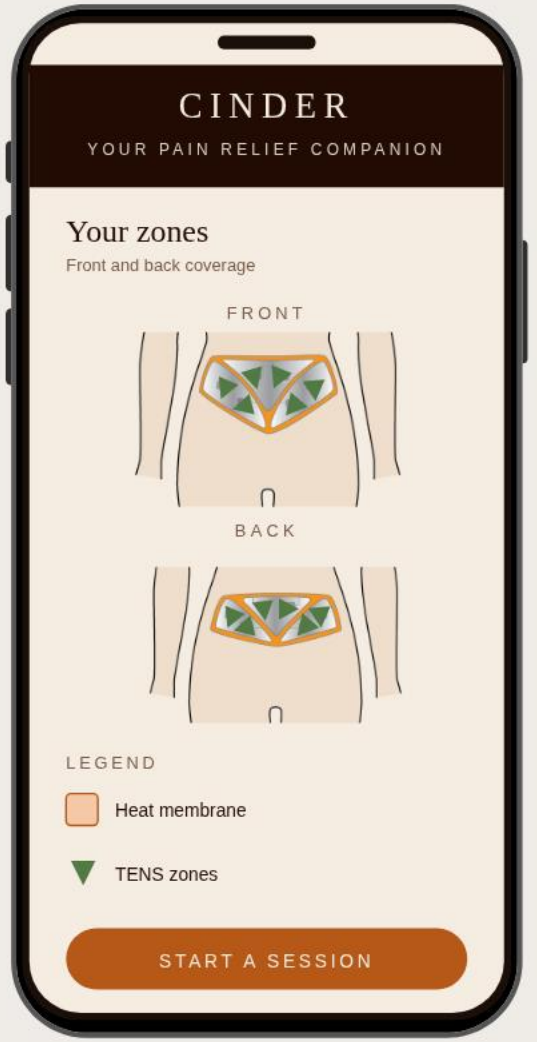
1ST PURCHASE BUNDLE: 3 PAIRS UNDERWEAR | 2 MEMBRANES

THE WEARABLE AGAINST PAIN

Paper-thin, Fabric-like Membrane delivering double-action therapy: Heat & TENS



Device Thickness .5mm



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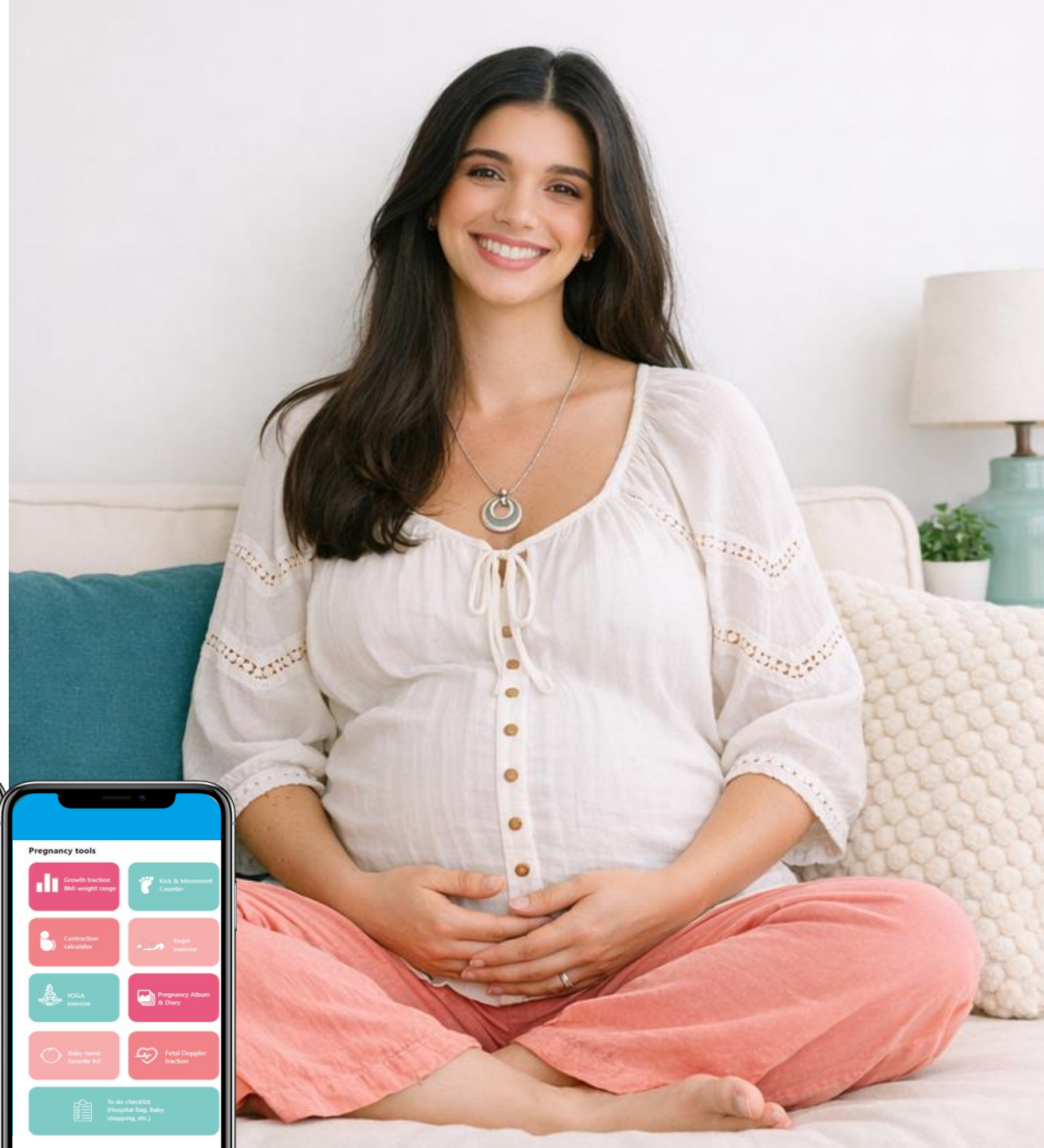
*TENS: Transcutaneous Electrical Nerve Stimulation

VidaSense

Comfort to mothers, precision to clinicians, and efficiency to healthcare systems

Contact: Naeimeh Behbood
Co-Founder & CEO

info@vida-sense.com



VidaSense on Tablet

MVP

- Fetal, Maternal QRS and uterine activity
- Local storage- GDPR compliant
- Feedback mechanism integrated
- No Cloud dependency
- Wireless

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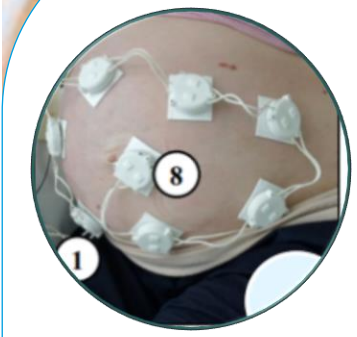
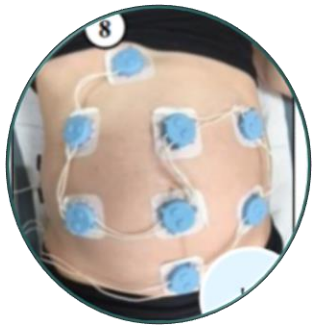
CLINICAL VALIDATION





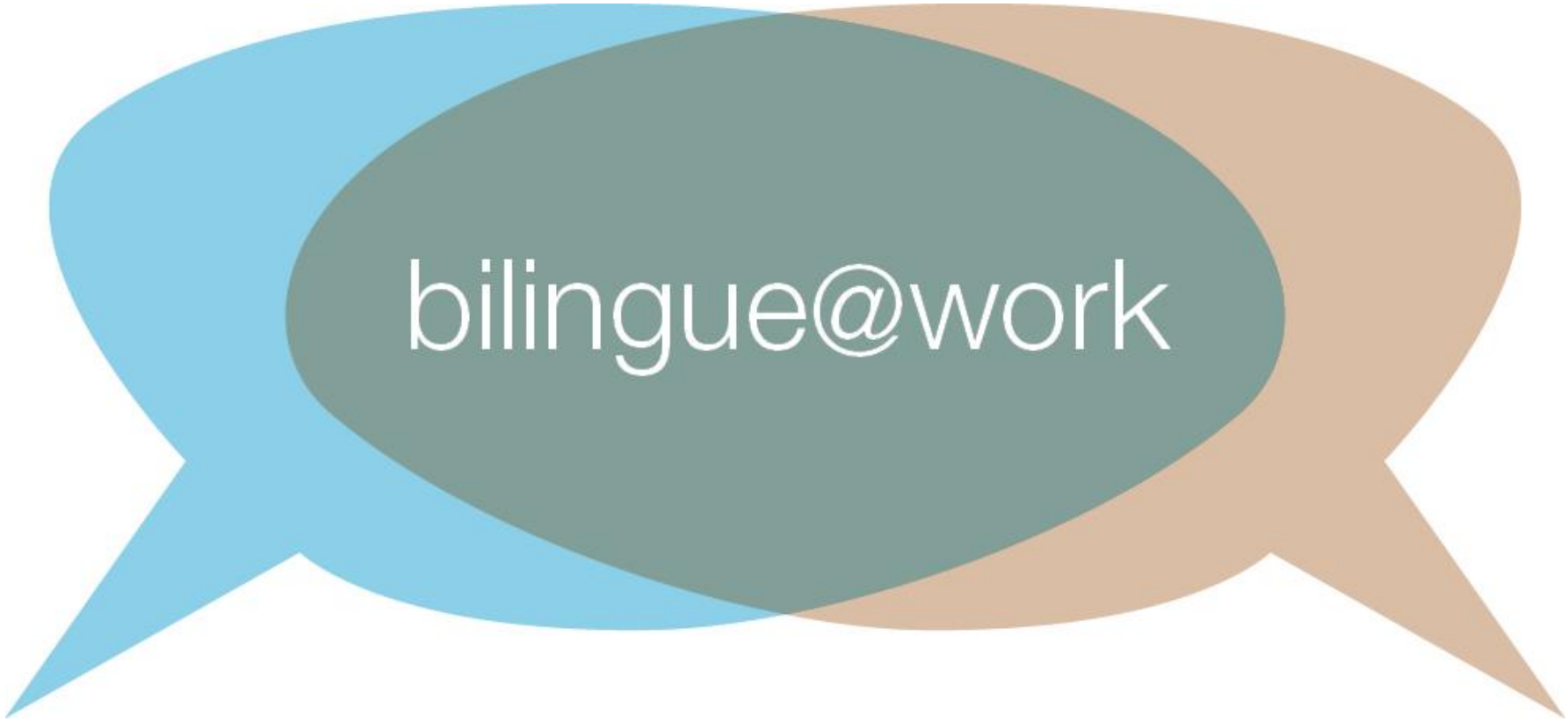
Active dry electrode, patent family

Hardware patent file submitted (April 2026)

Tested in **Hospital setting**
On more than 80 pregnant and **Has gone through four prototype iteration**
Superior to CTG


LET’S TACKLE THE CHALLENGES OF A CONNECTED & EFFICIENT HEALTHCARE
:: csem

Pilotprojekt



Start Anmeldung: 22. Juni 2026
Post im Intranet am 22. Juni 2026

KoWiPol

Ausblick 2026

Termine KoWiPol 2026 (jeweils Montag):

- 19. Oktober 2026
- 14. Dezember 2026