



OWASmooth

UNLOCKING CLARITY BY DATA SMOOTHING


WHAT IS THE ISSUE?



\$3.1 T

The **COST OF POOR
QUALITY DATA,**
in the US, annually

Source: **IBM** &

 Harvard Business Review

60% LOST

The **TIME SPENT ON
CLEANING,**
and preparing datasets

Source:  Anaconda

€2 M/hour

The **COST OF
DOWNTIME,**
in automotive industry

Source: **SIEMENS**

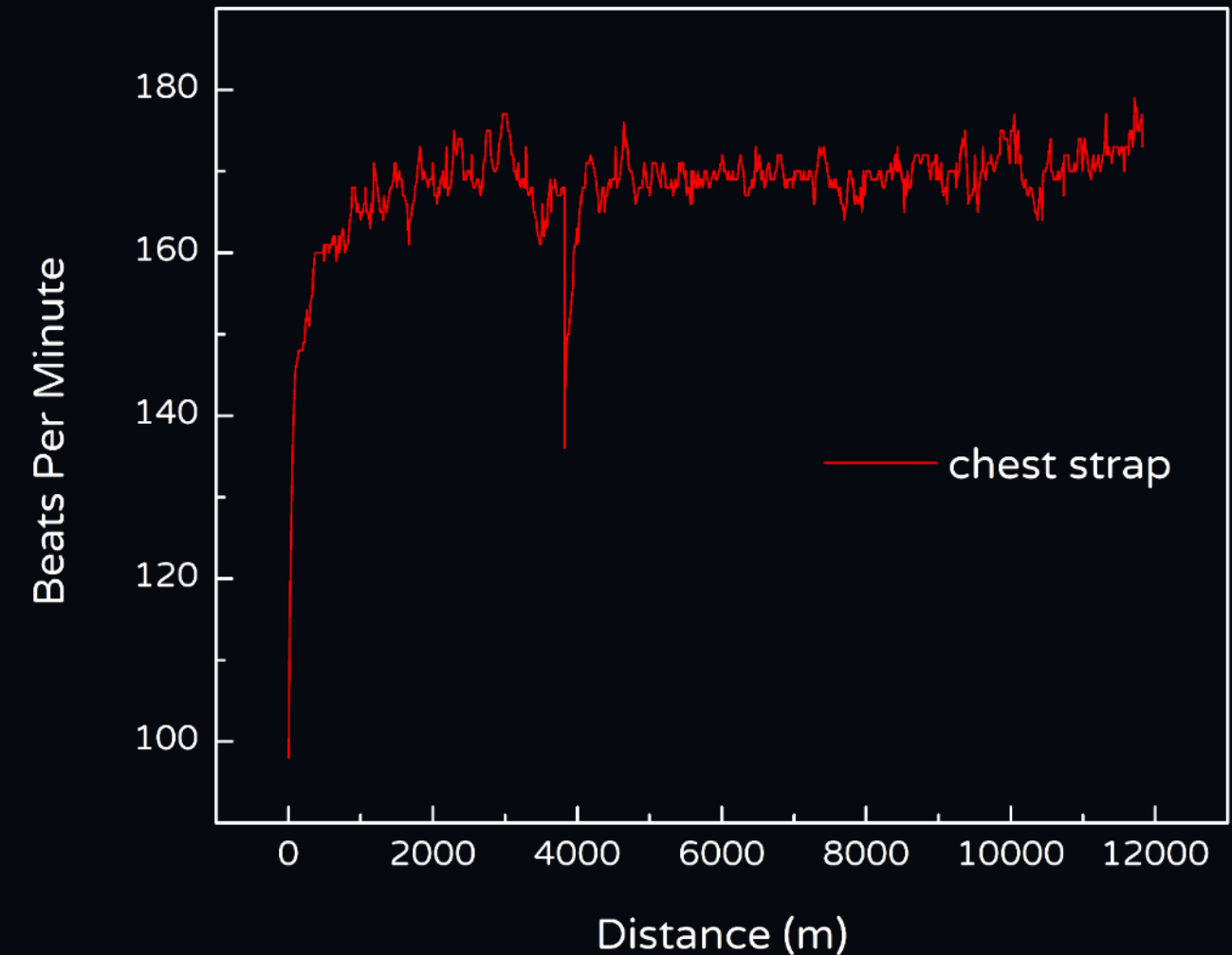
WHAT IS THE ISSUE?



HIGH-QUALITY DATA
OBJECTIVE DECISION MAKING

Chest strap

Noisy data, fluctuations
caused by loose strap,
sweat, and motion artefacts.



SOLUTION



+



=

Better training & performance

HIGH-QUALITY DATA

OBJECTIVE DECISION MAKING

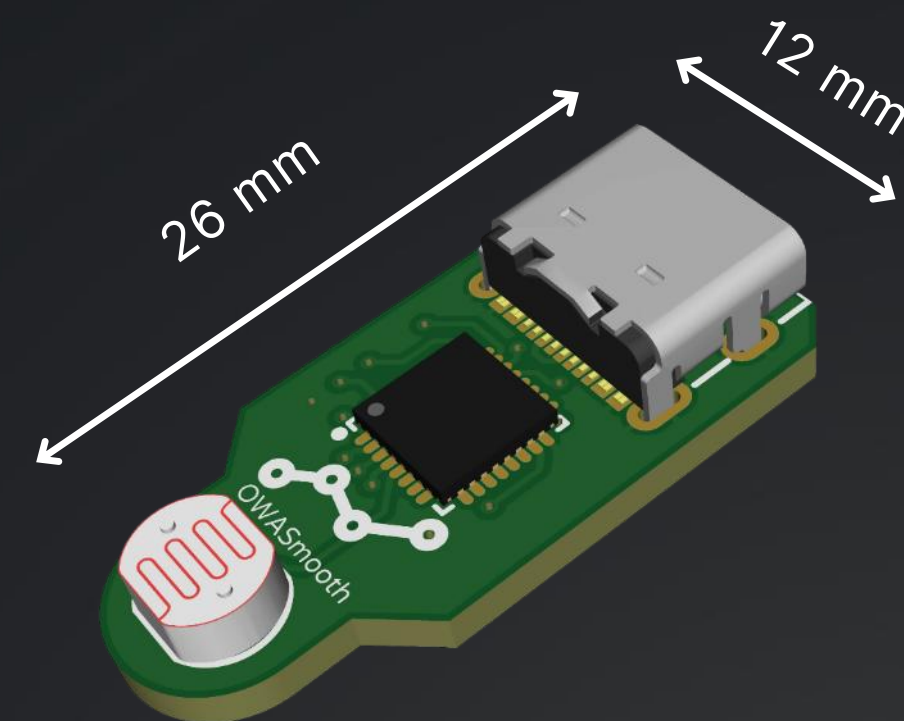
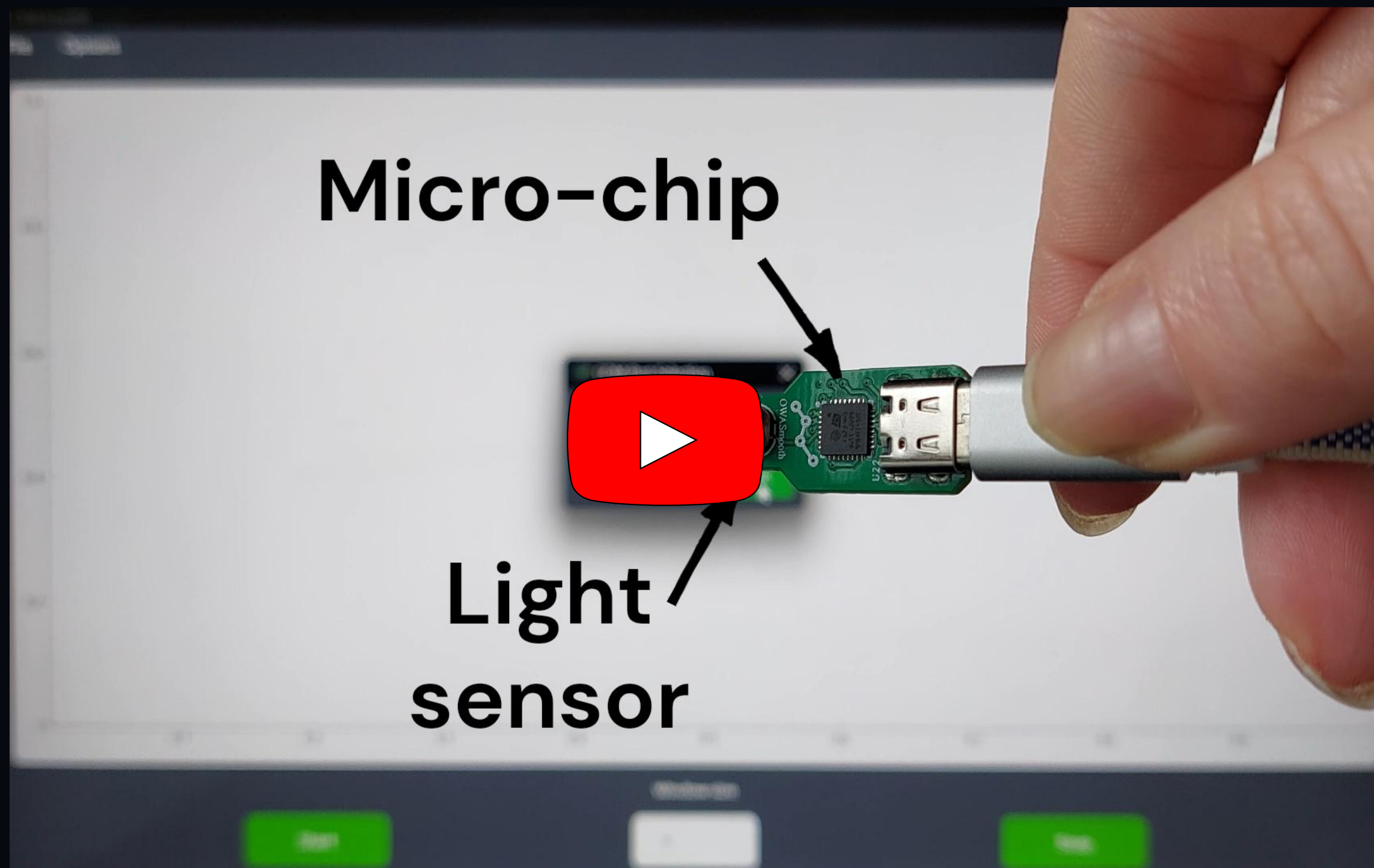
OWASmooth

72% IMPROVEMENT



DEMONSTRATION

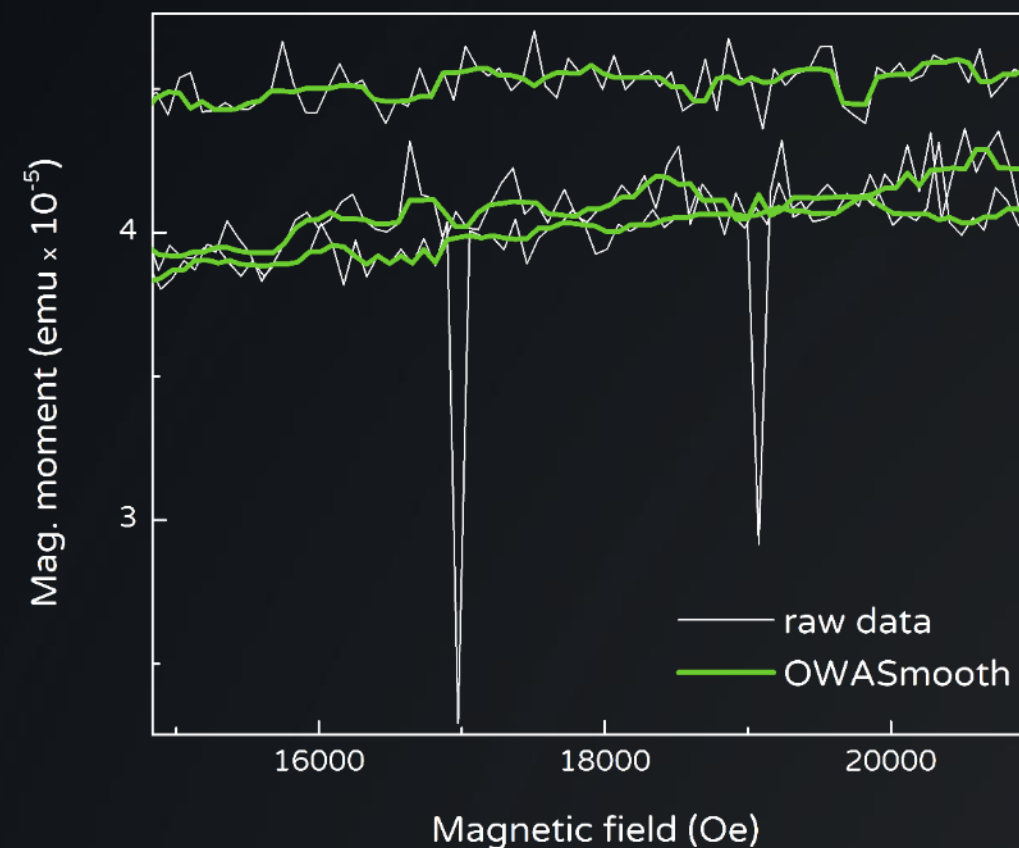
OWASmooth any data: signal, audio, image, ...



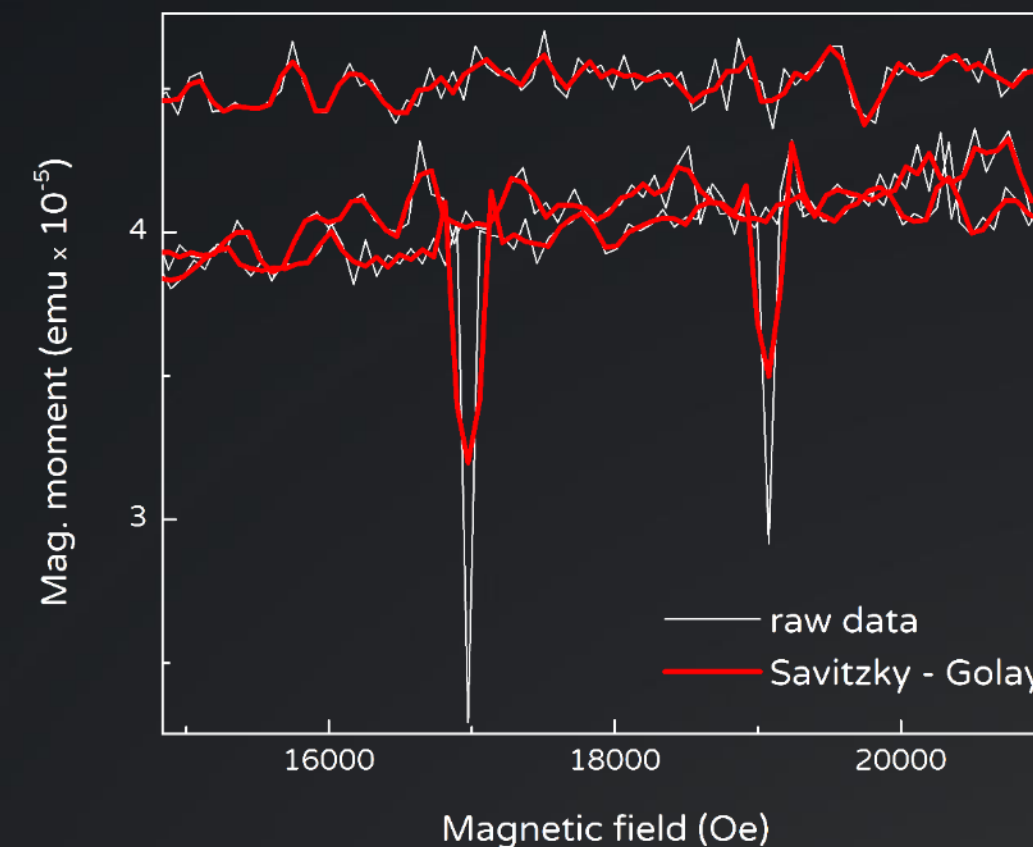
Better than
other currently used
methods.

WHY smoothing with OWASmooth?


OWASmooth



Savitzky - Golay (1960s)



ENHANCE DATA QUALITY



Easier prediction
making



Efficiency of
processes



Cost
reduction



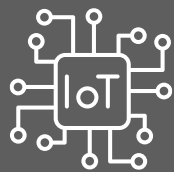
Improved
safety

OUR POTENTIAL CLIENTS



Everyone who is dealing with numerical data and wants to reduce errors in data points and enhance data quality.

IoT/IIoT



Smart technologies,
smart factories
(Industry 4.0).

Robotics



SPACE



Background noise
reduction, radiation
influence attenuation.

Video



Diagnostic equipment
as EEG, ECG,
MRI, CT.

HEALTHCARE



Wearable

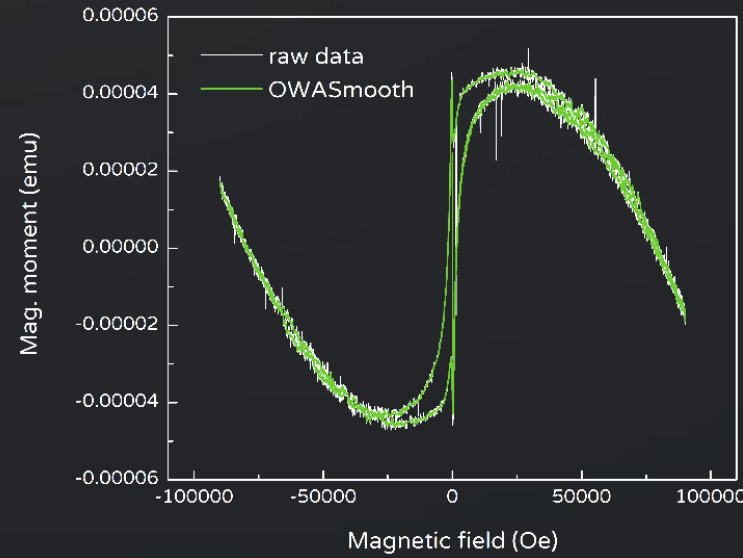


For Physics, Biology,
Chemistry, Electrical
engineering.

SCIENTIFIC
EQUIPMENT

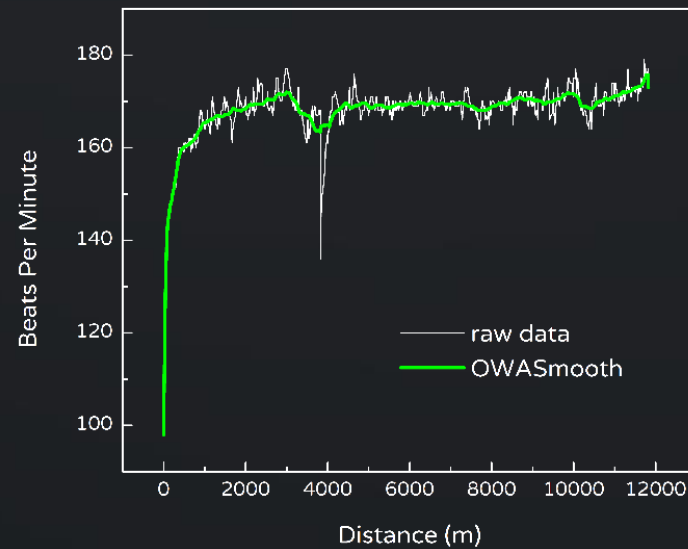


OUR EXPERIENCES



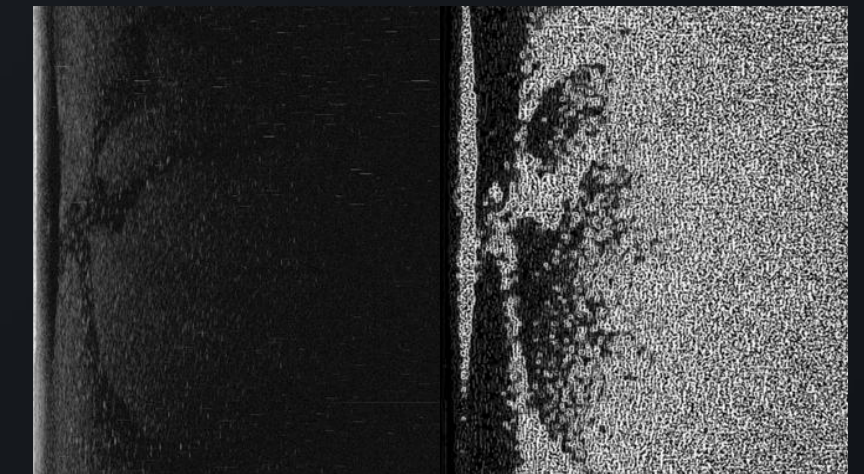
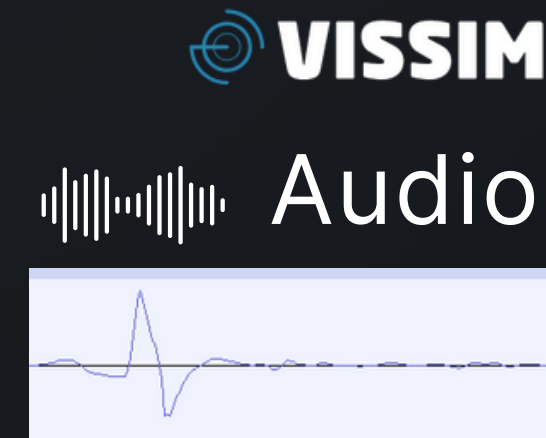
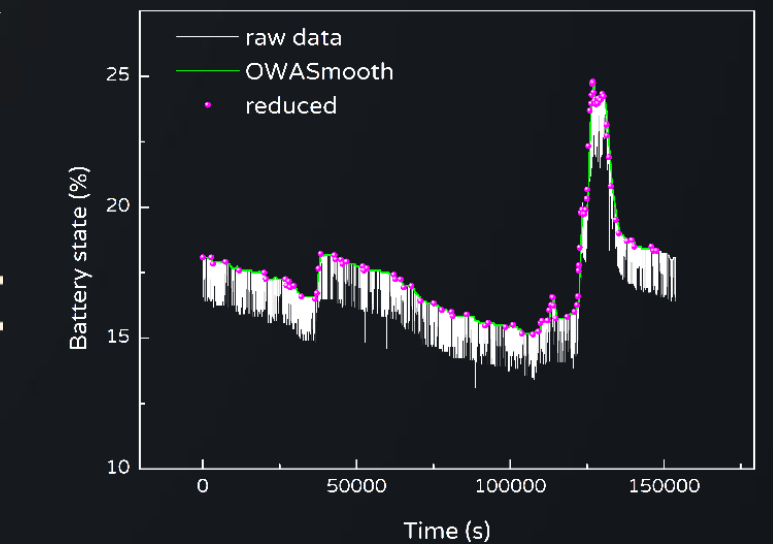
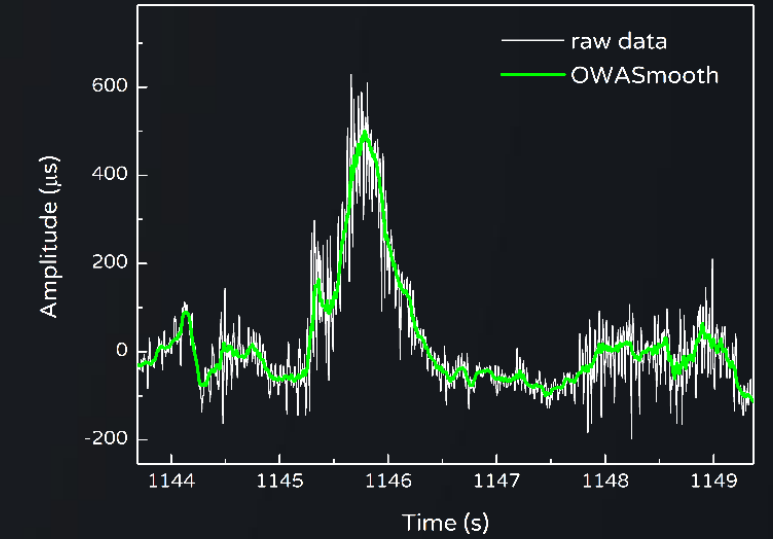
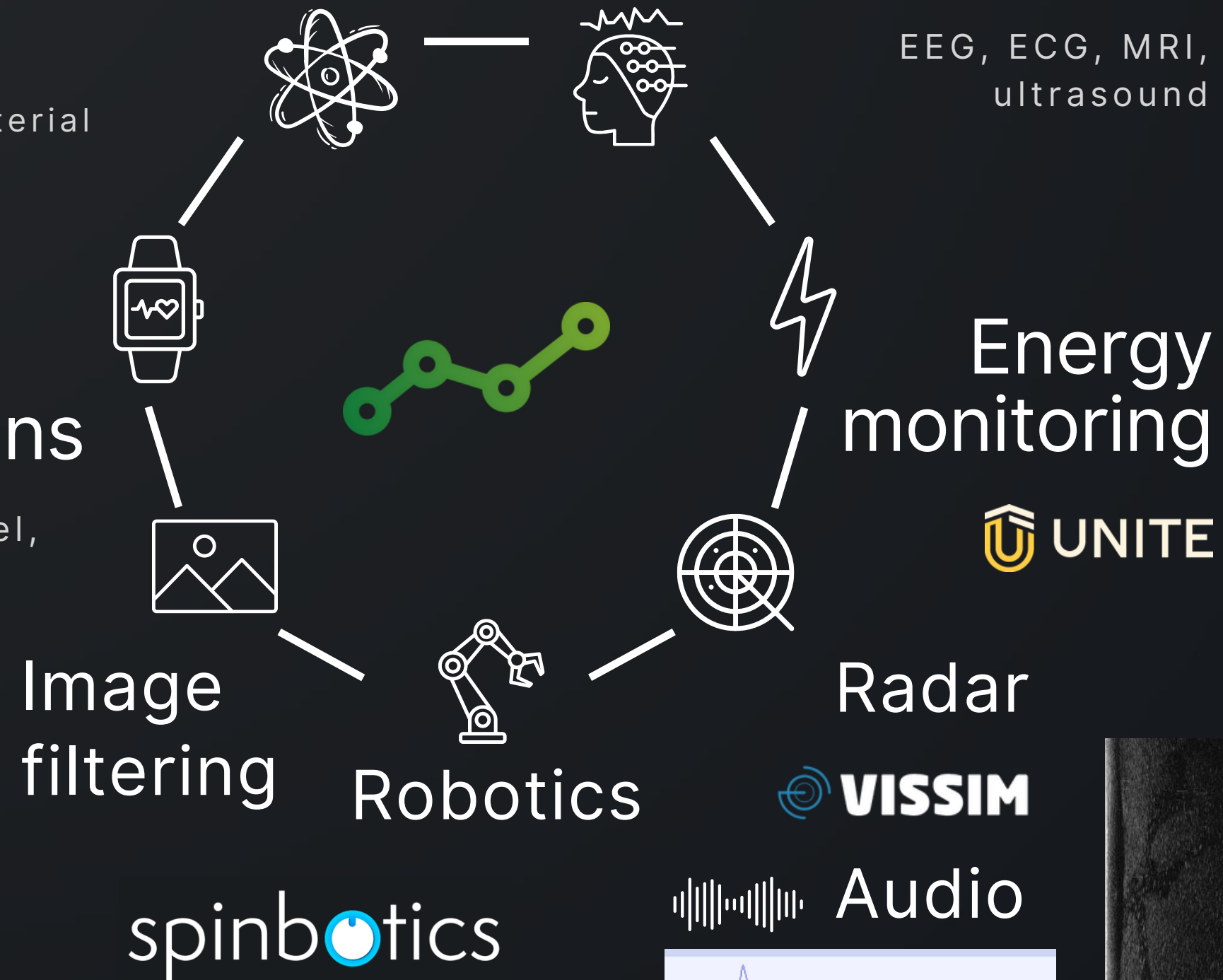
Scientific data

Physics, material sciences



Vital functions

Oxygen level, heartbeat



IMPLEMENTATION



COMMERCIAL

Cloud API smoothing

INDUSTRIAL

Embedded devices



SEAMLESS INTEGRATION

CASE STUDY

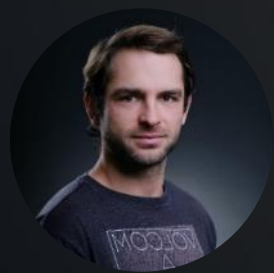


ENERGY MANAGEMENT with  UNITE
post-processing  OWASmooth

Significantly enhanced quality **by 93%**

Reduced data volume **by 53%**

Testimonial

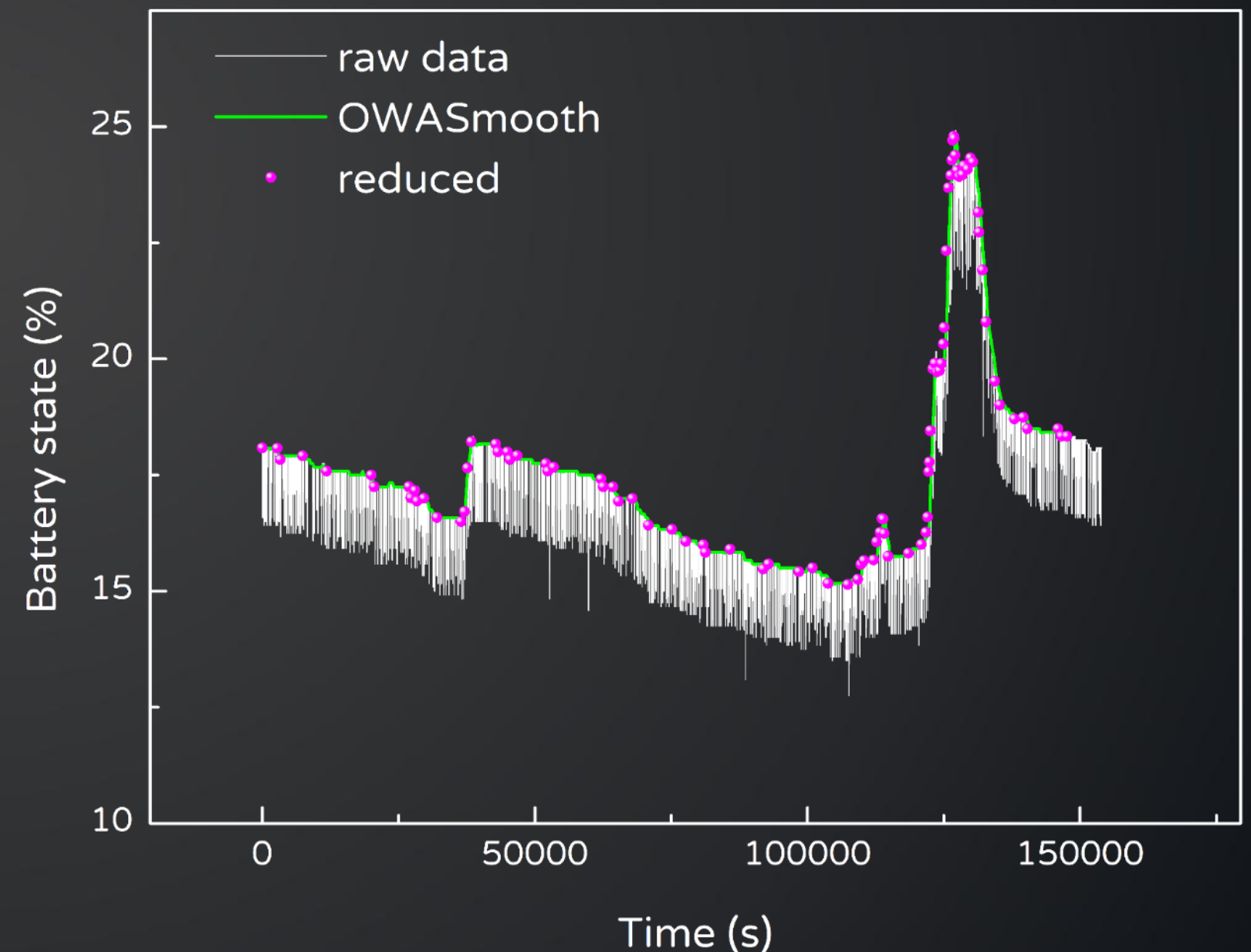


"OWASmooth solution not only cleaned the data but made it instantly actionable, all while cutting storage needs by half. Their technology gave us exactly what we needed: clarity, efficiency, and scalability. It's making our energy analytics smarter and more cost-effective."

— Vladimír Žilka, CTO, UNITE

[Case study.pdf](#)

Poor quality data = Unreliable statistics



MARKET OPPORTUNITY



Broad market opportunities

sensors & data are everywhere

IoT

Sensors

Robotics

Healthcare

Computer vision

Wearables

Radars

Combined market
\$1.4 TRILLION

CAGR over **20%**

MARKET EXAMPLE



Market entrance
ROBOTICS

\$21.94 BILLION

Total INDUSTRIAL ROBOTS MARKET

CAGR ≈ 15%

Source: [Fortune Business Insights](#)

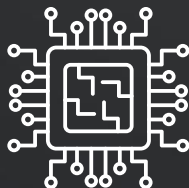
TAM	SAM	SOM
€500	€280	€14
MILLION/YEAR	MILLION/YEAR	MILLION/YEAR
≈15% CAGR ≈ 500,000 new units sold annually	Relevant & safe markets – Europe and North America premium brands	Assume that 5% of the SAM devices would be equipped with the OWASmooth solution
License fee €1,000/device	56% of the TAM	

Source: [Fortune Business Insights](#) & [International Federation of Robotics](#)

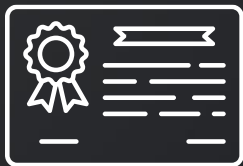
PRICING



Implementation
25,000€



> 33.5€ per device
(based on volume)



Licence fees
& SLA

TEAM + SCIENCE + TRENDS = 



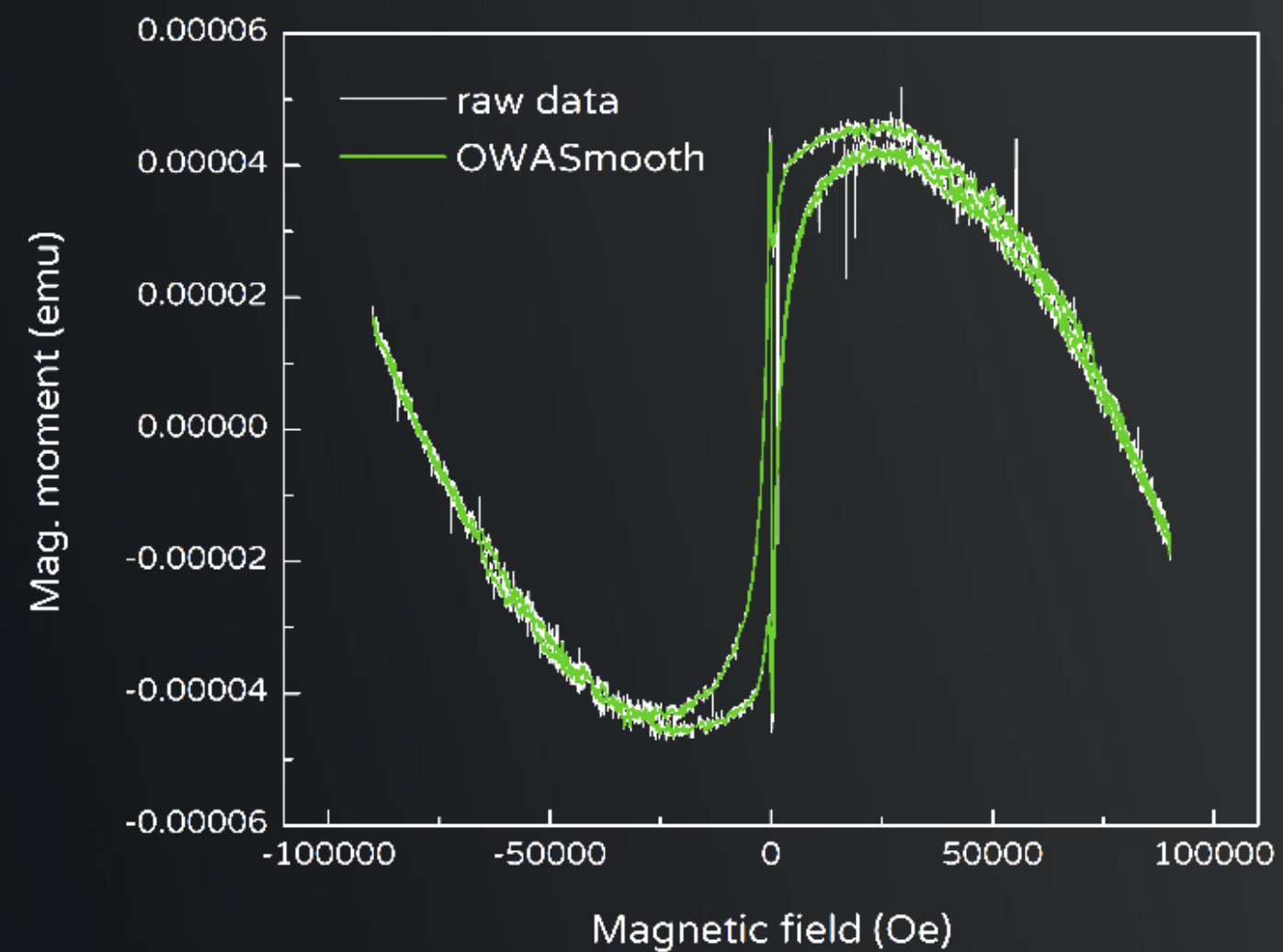
DR. MIROSLAV HENNEL

CEO & founder

physicist, several years in
sensors' R&D

Scientific data

Physics, material sciences



TEAM + SCIENCE + TRENDS =



DR. BARBORA HENNELOVÁ

COO & founder

mathematician,
data aggregation expert

DR. MIROSLAV HENNEL

CEO & founder

physicist, several years in
sensors' R&D



TEAM + SCIENCE + TRENDS =



DR. BARBORA HENNELOVÁ

COO & founder

mathematician,
data aggregation expert

DR. MIROSLAV HENNEL

CEO & founder

physicist, several years in
sensors' R&D

PATRIK KRAJCÁR

programmer

full-stack developer

LUKÁŠ KOLLÁROVIČ

CTO

full-stack developer

FILIP DEÁK

CTIO

back-end & algorithms

DR. KRISTÍNA HURAJOVÁ

business developer

marketing & sales



WHAT HAVE WE ACHIEVED?



DeepTech software startup rooted in Research and Development

Winner of Early Stage
Startup category organised
by **Slovakia Innovation &
Startup Awards**



EIT Manufacturing
IndustryUP challenge

Finalist of the **University
Startup World Cup 2024**



NEXT STEPS



Secured SBA support to prepare EIC pre-accelerator application



EIC pre-accelerator → €500,000

European
Innovation
Council

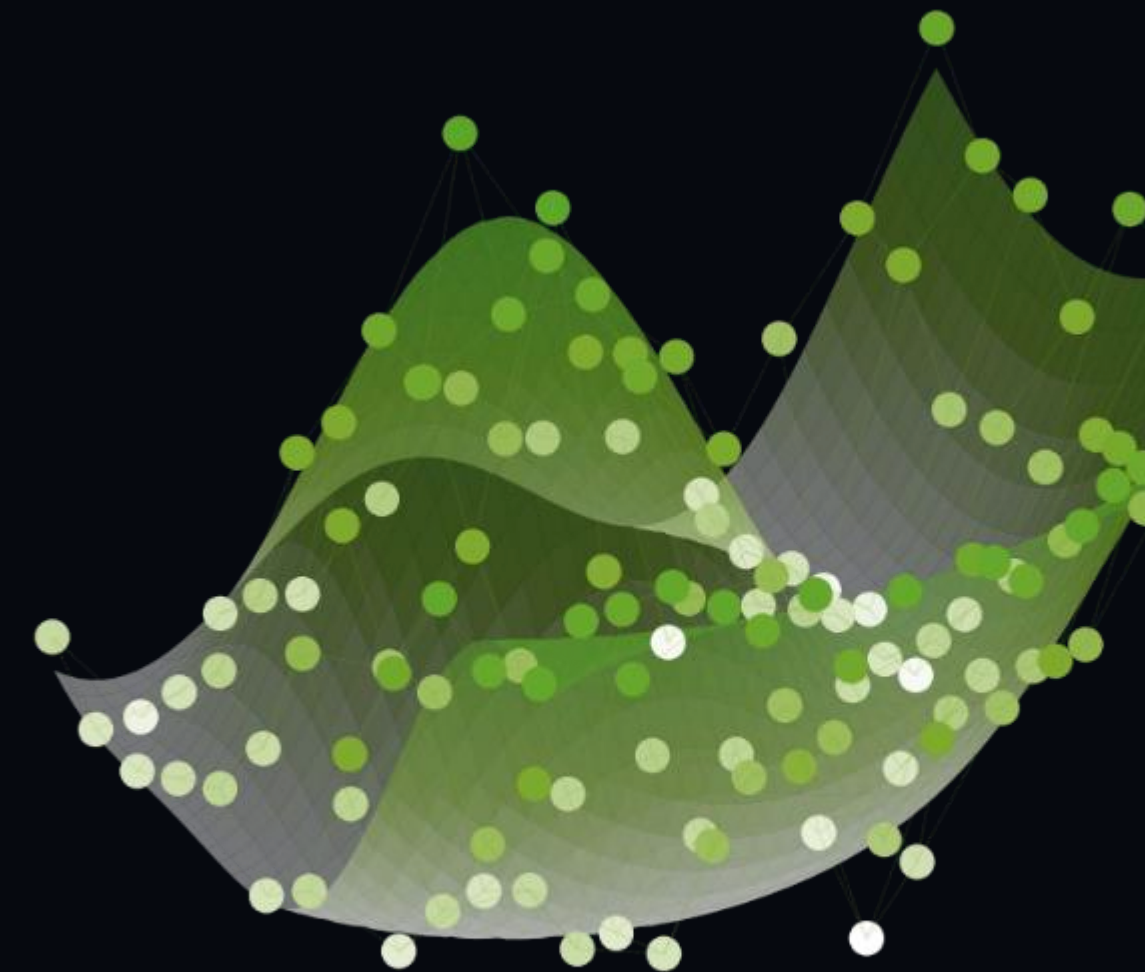


First paying clients Q4 2025

CONFIDENTIAL

Fundraising pre-seed round

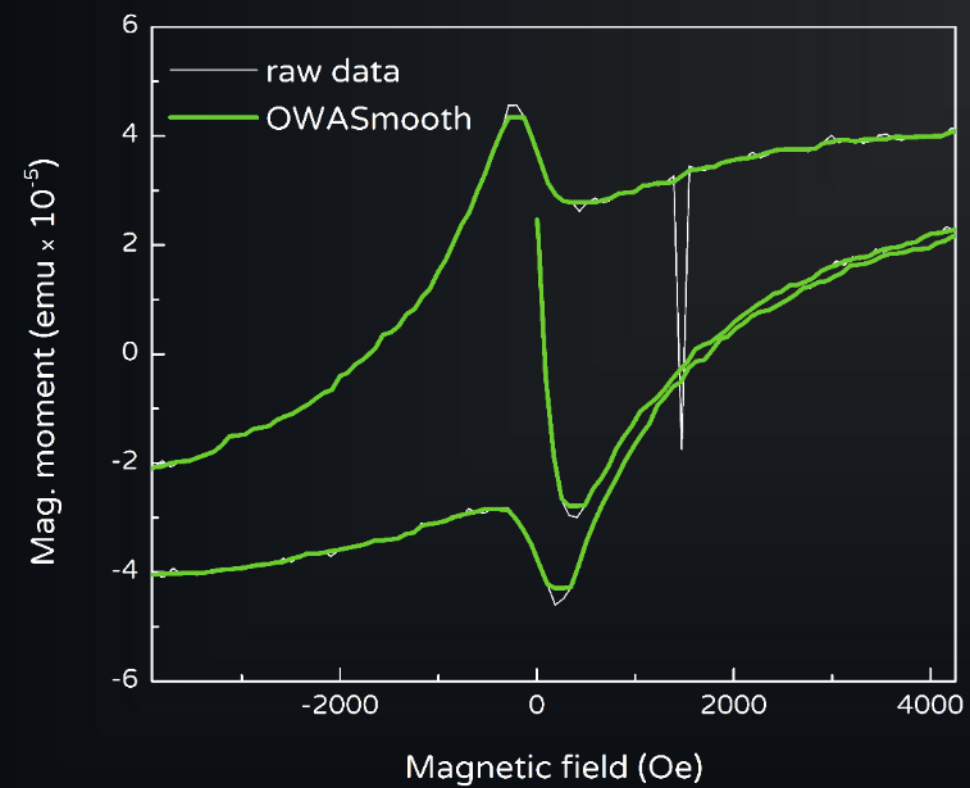
start Q4 2025 / Q1 2026 → €300,000



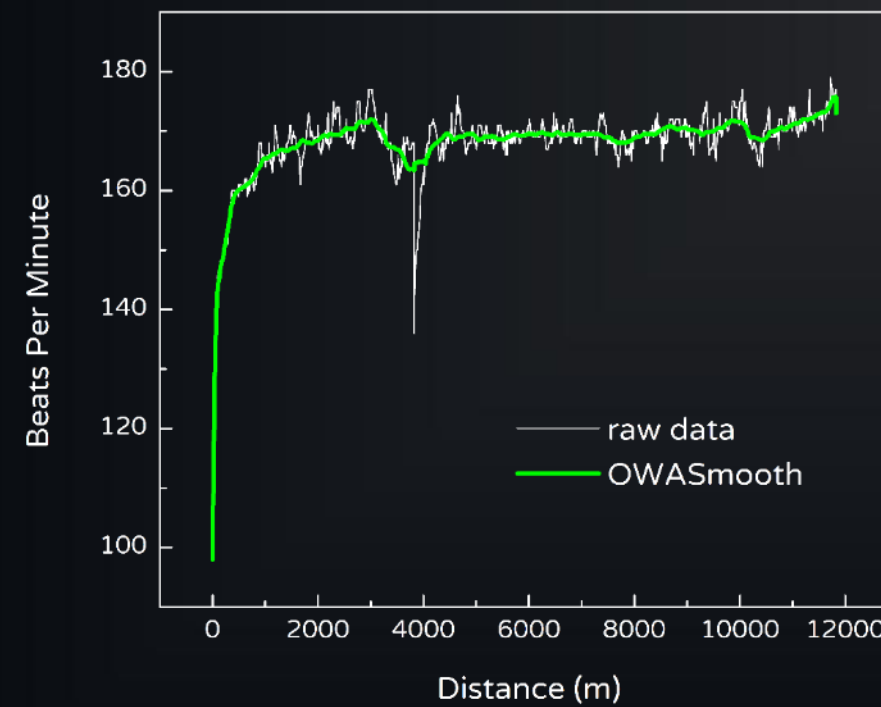
OWASmooth



Fundamental research

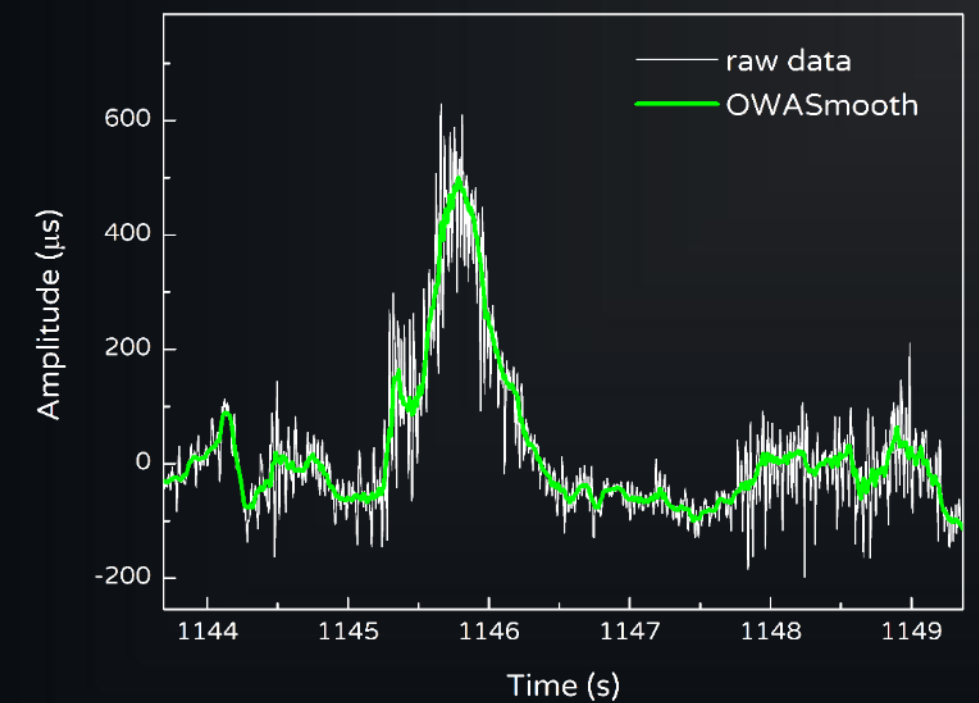


Sensors & IoT



AND MORE...

Medical diagnostics





UNLOCK DATA CLARITY

Optimisation With Advanced Smoothing

Supported by



owasmooth.io



info@owasmooth.io

