



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**

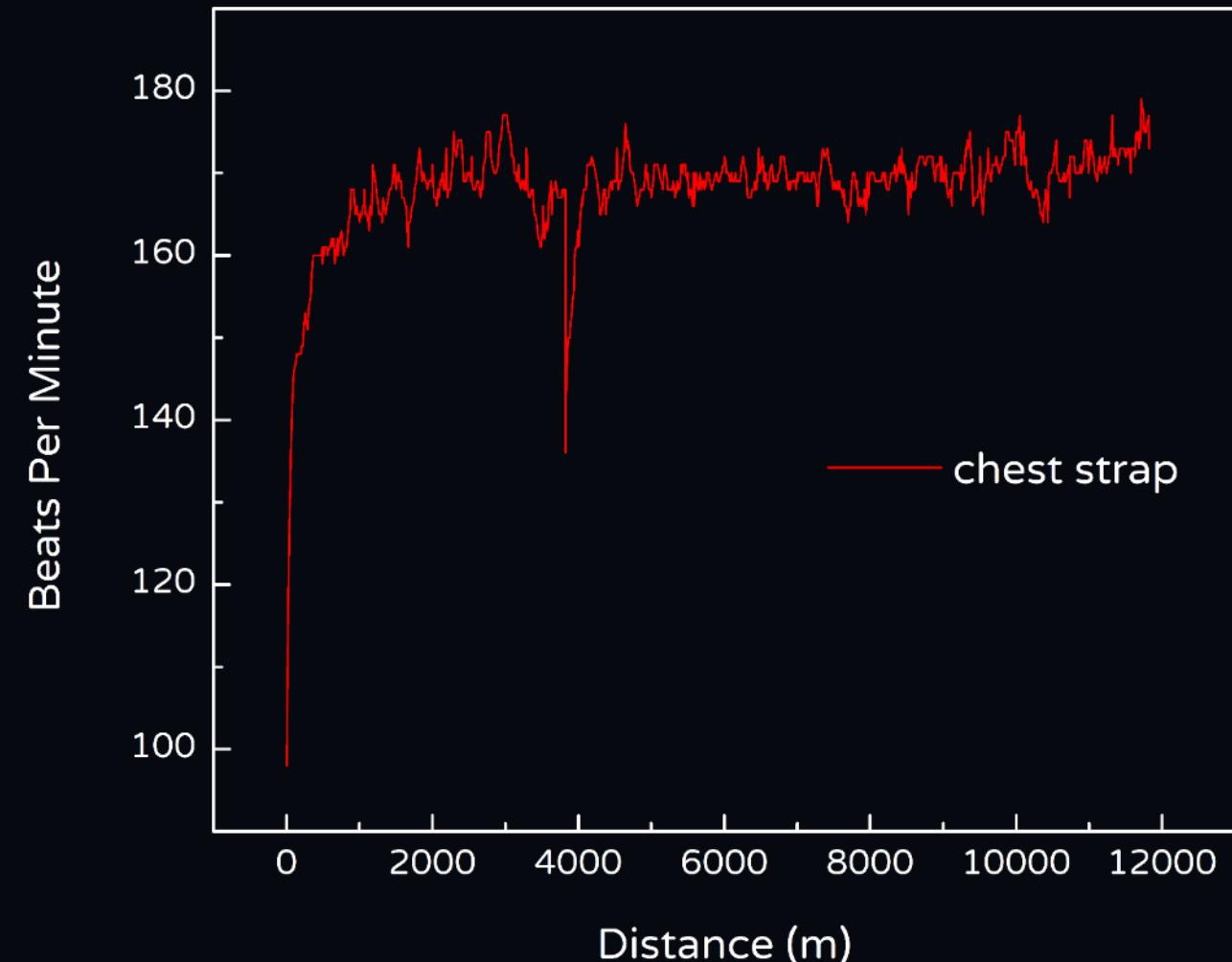
WHAT IS THE ISSUE?



HIGH-QUALITY DATA
OBJECTIVE DECISION MAKING

Chest strap

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



SOLUTION



+



=

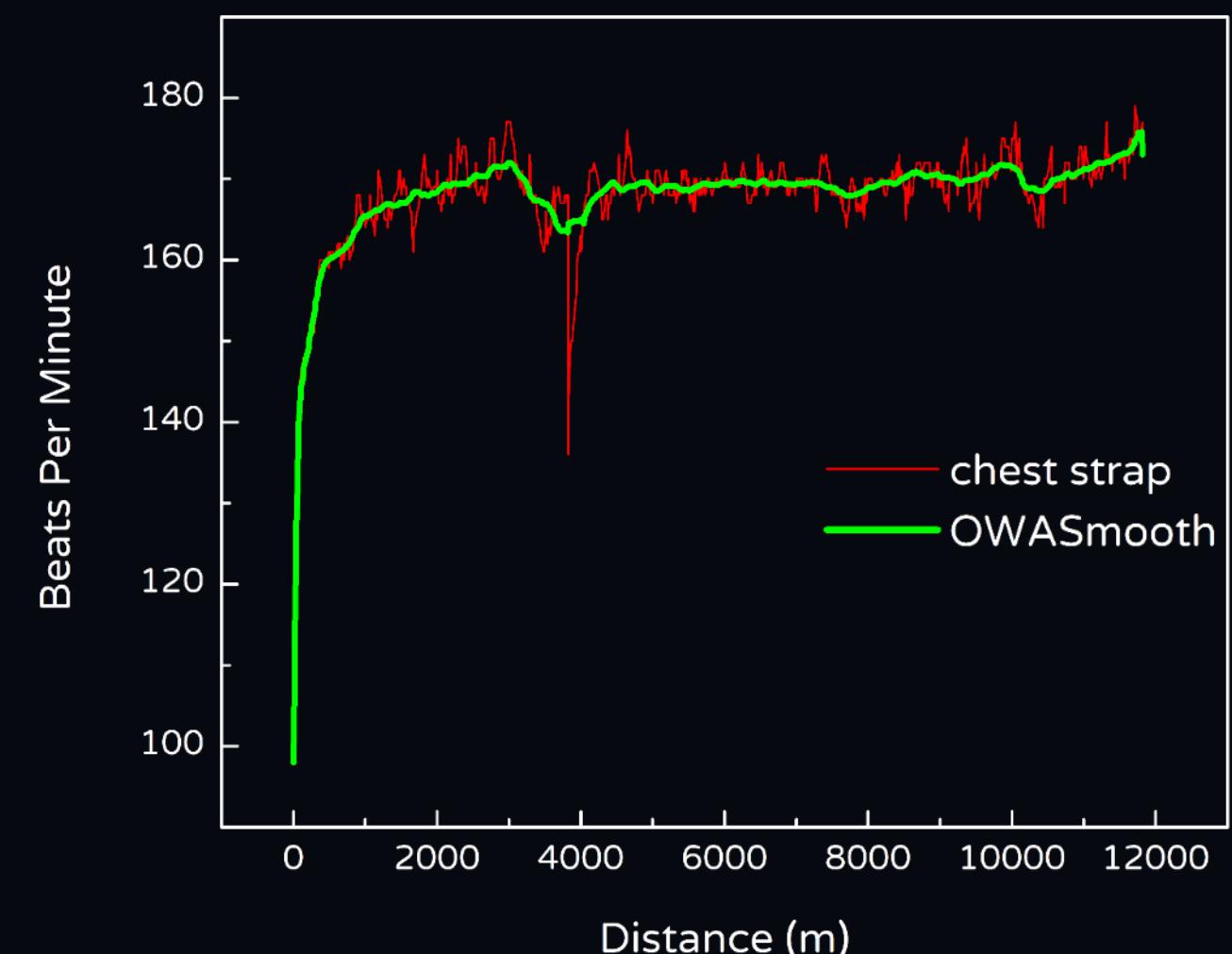
Better training & performance

HIGH-QUALITY DATA

OBJECTIVE DECISION MAKING

OWASmooth

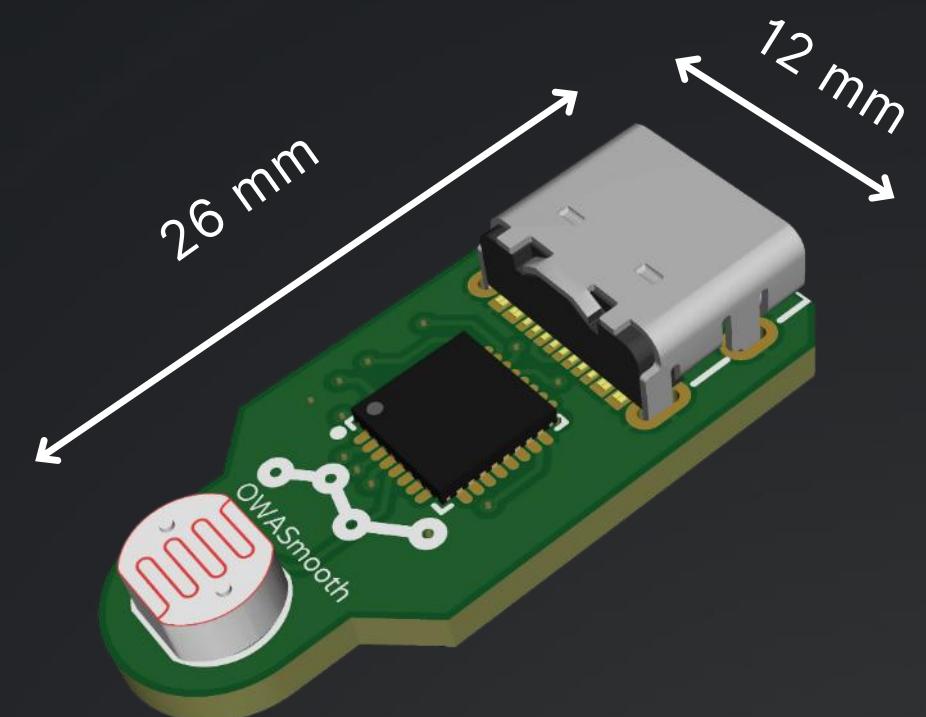
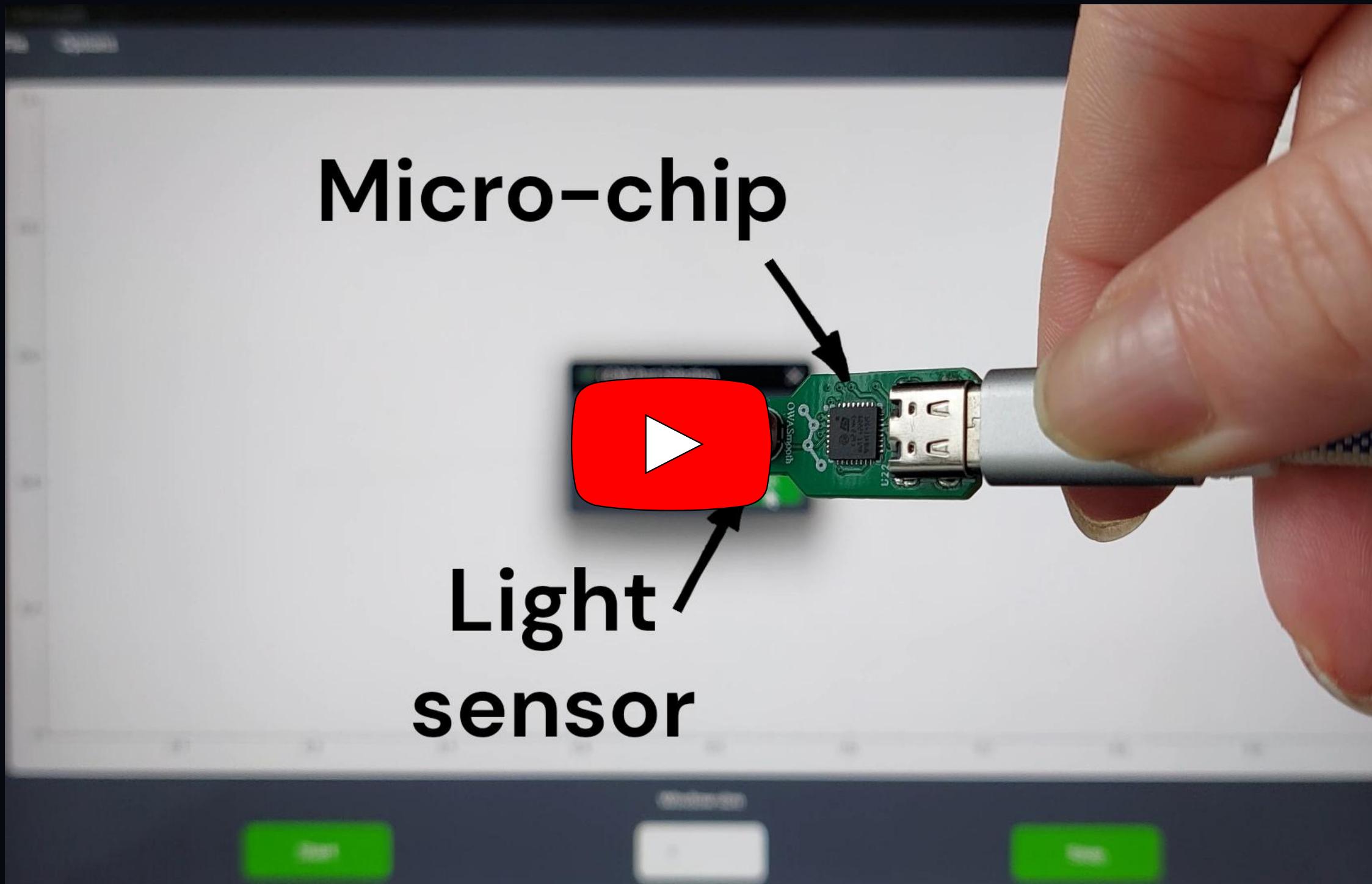
72% IMPROVEMENT



DEMONSTRATION



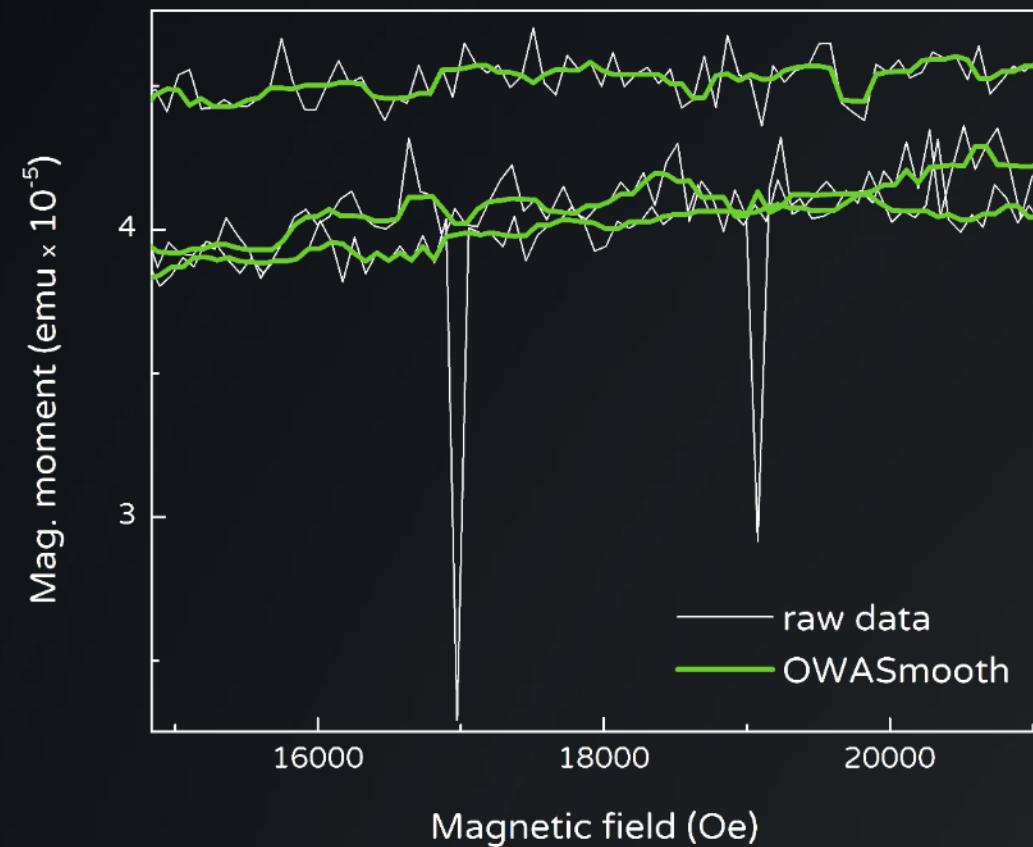
OWASMOOTH any data: signal, audio, image, ...



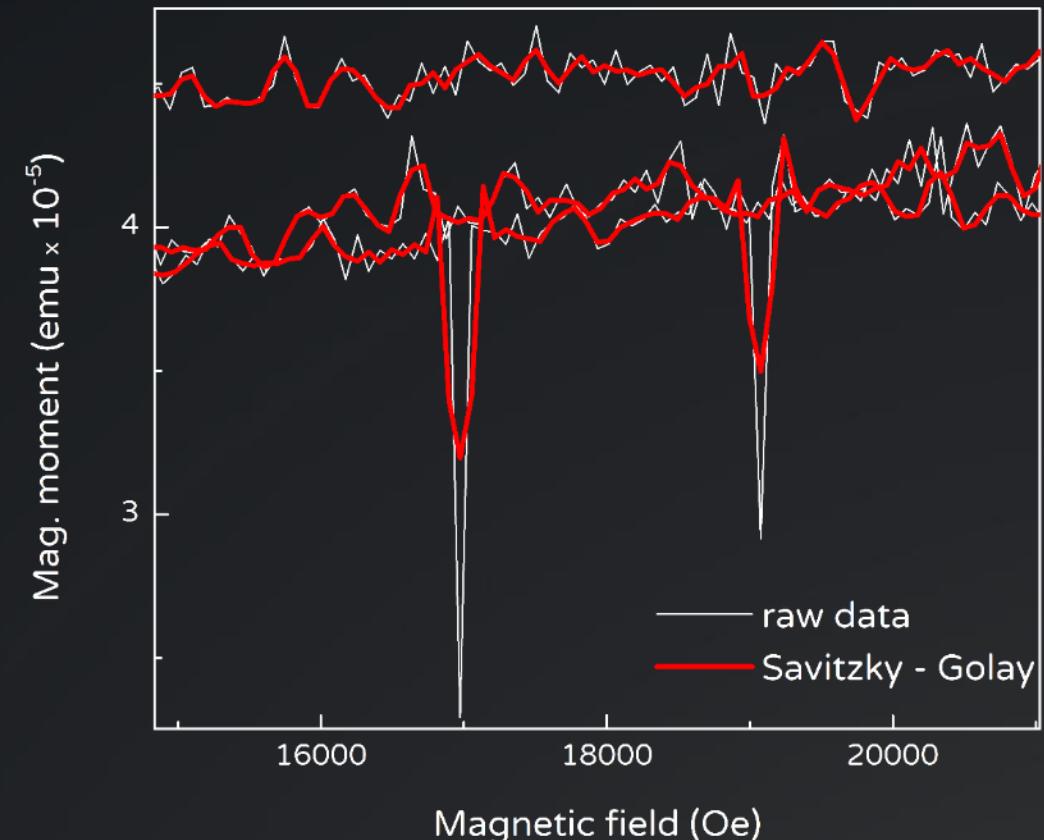
Better than
other currently used
methods.

WHY smoothing with OWASmooth?

OWASmooth



Savitzky - Golay (1960s)



ENHANCE DATA QUALITY



Easier prediction
making



Efficiency of
processes



Cost
reduction

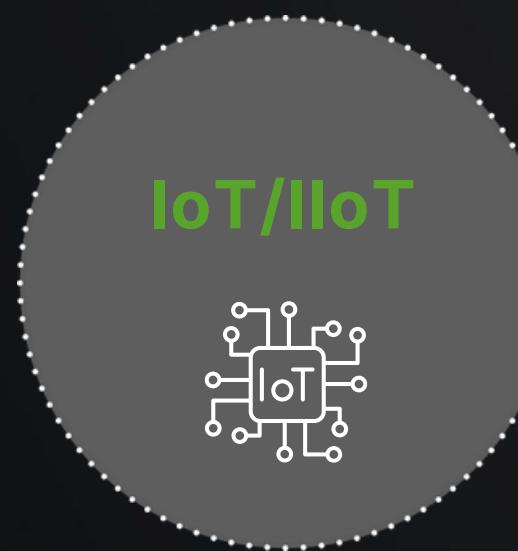


Improved
safety

OUR POTENTIAL CLIENTS



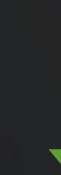
Everyone who is dealing with numerical data and wants to reduce errors in data points and enhance data quality.



Smart technologies,
smart factories
(Industry 4.0).



Background noise
reduction, radiation
influence attenuation.

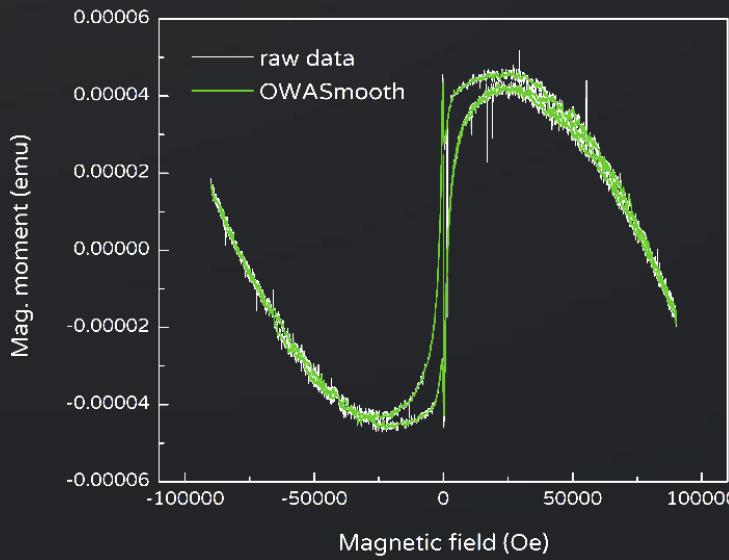


Diagnostic equipment
as EEG, ECG,
MRI, CT.



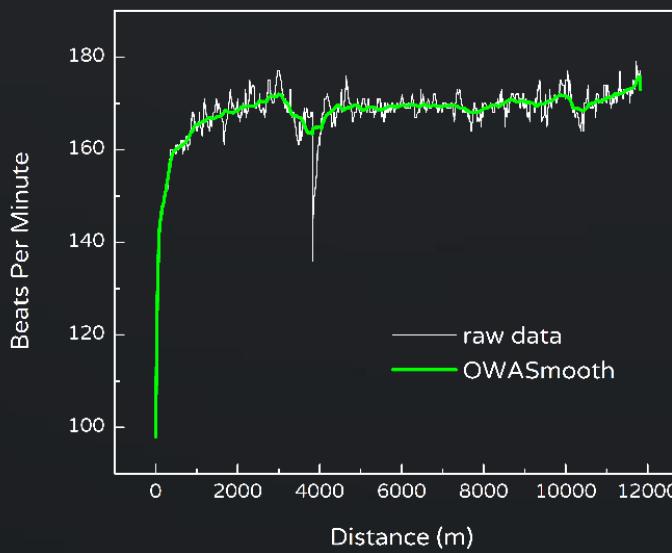
For Physics, Biology,
Chemistry, Electrical
engineering.

OUR EXPERIENCES



Scientific data

Physics, material sciences



Vital functions

Oxygen level, heartbeat



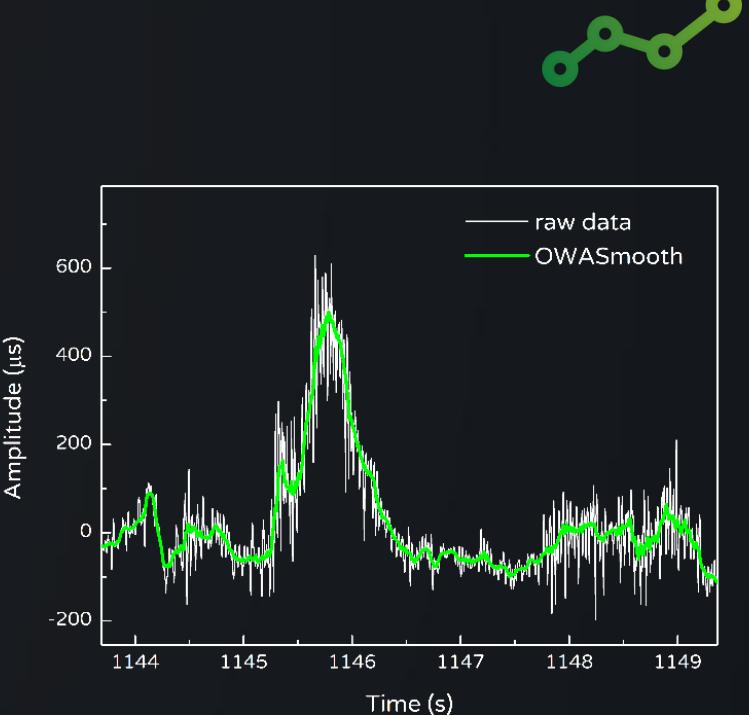
Image filtering

spinbotics



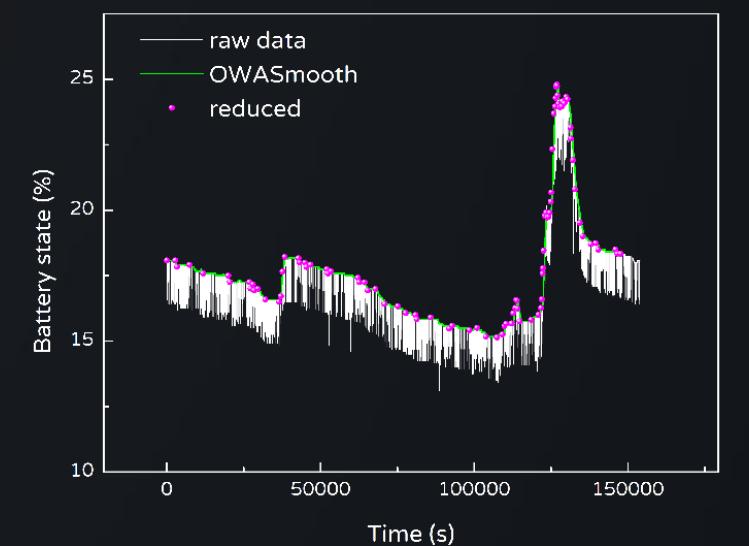
Healthcare

EEG, ECG, MRI, ultrasound



Energy monitoring

UNITE



Radar

VISSIM



Audio

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%



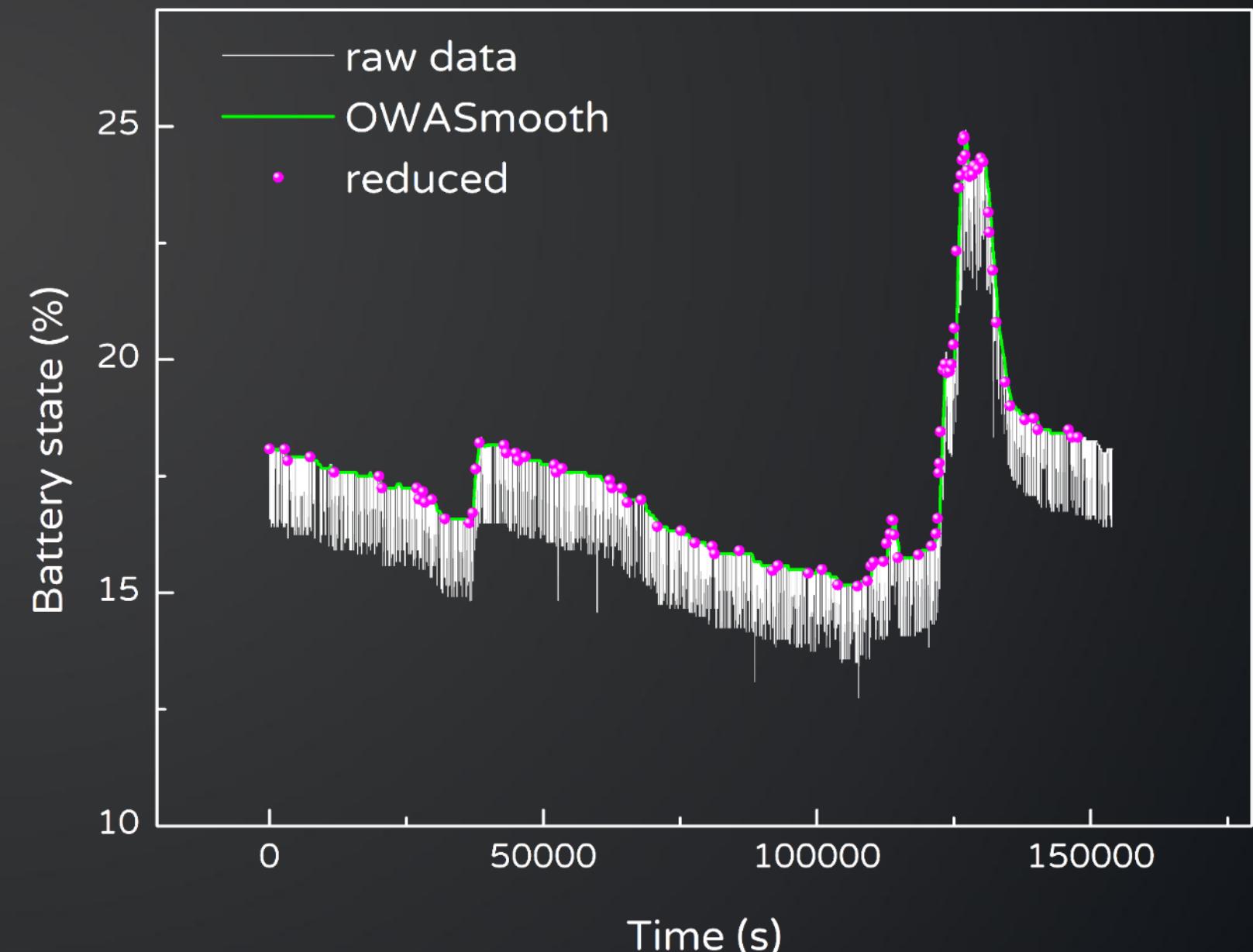
Testimonial

"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 \approx 15%

Source: [Fortune Business Insights](#)

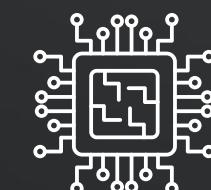
TAM	SAM	SOM
€500 MILLION/YEAR	€280 MILLION/YEAR	€14 MILLION/YEAR
\approx 15% CAGR \approx 500,000 new units sold annually License fee €1,000/device	Relevant & safe markets – Europe and North America premium brands 56% of the TAM	Assume that 5% of the SAM devices would be equipped with the OWASmooth solution

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

PRICING



Implementation
25,000€



> 33.5€ **per device**
(based on volume)



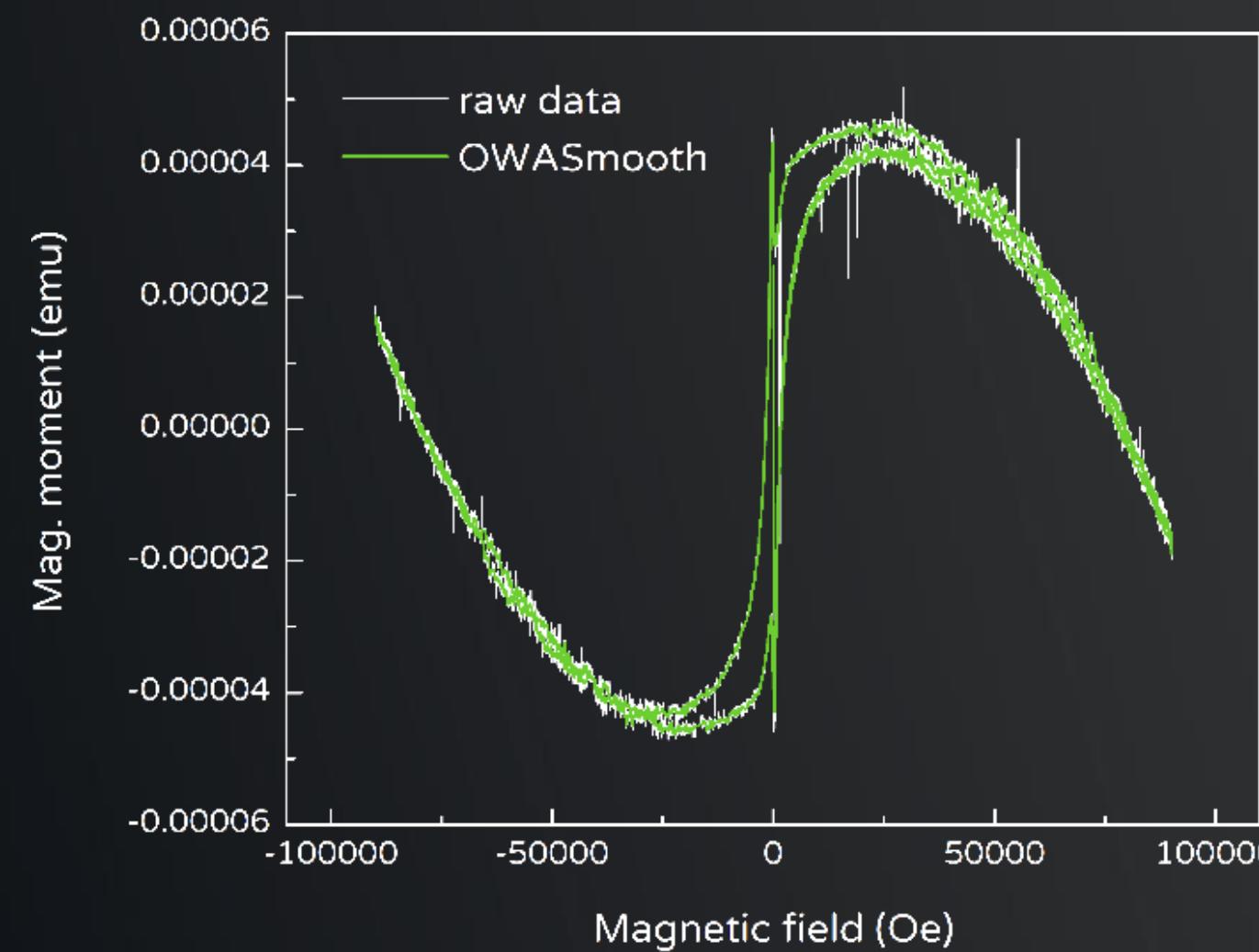
Licence fees
& SLA

TEAM + SCIENCE + TRENDS =



Scientific data

Physics, material sciences



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

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PATRIK KRAJČÁR

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

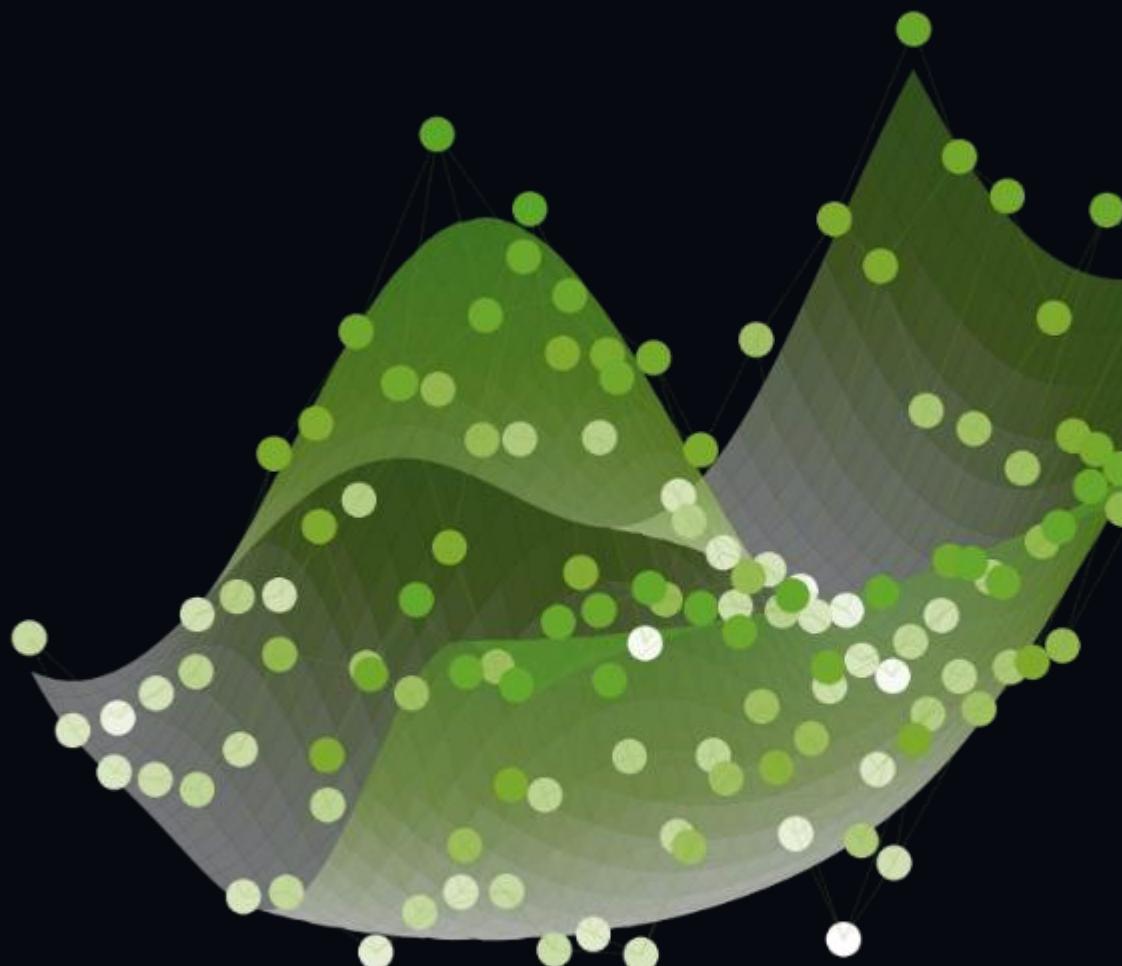


First paying clients Q4 2025

CONFIDENTIAL

Fundraising pre-seed round

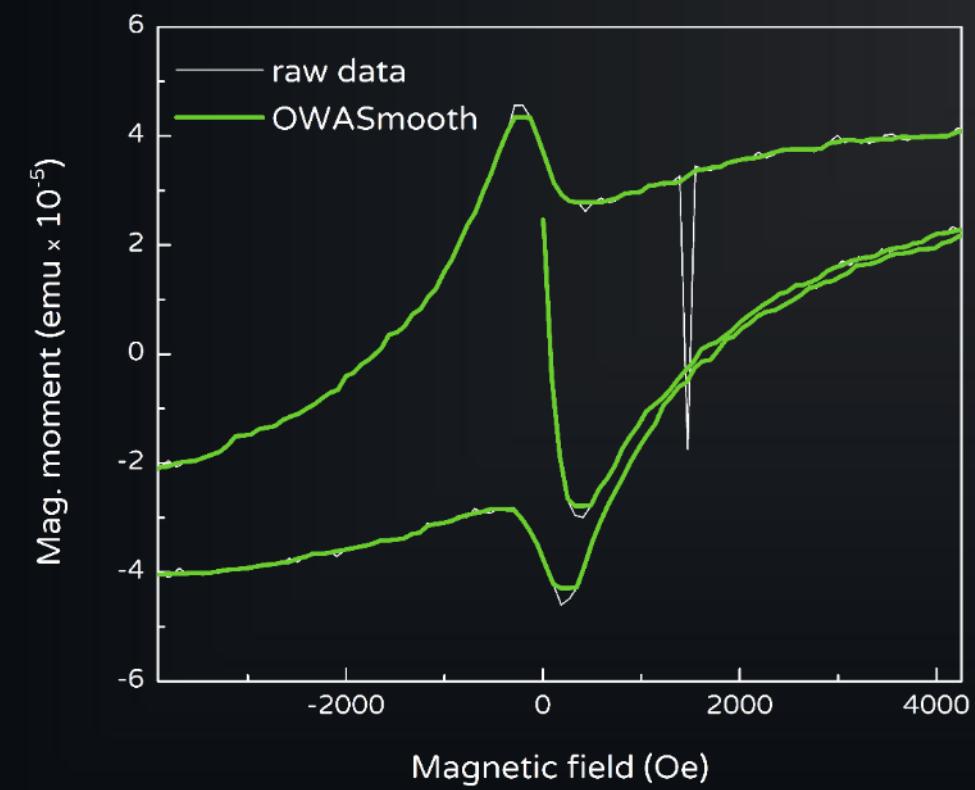
start Q4 2025 / Q1 2026 → €300,000



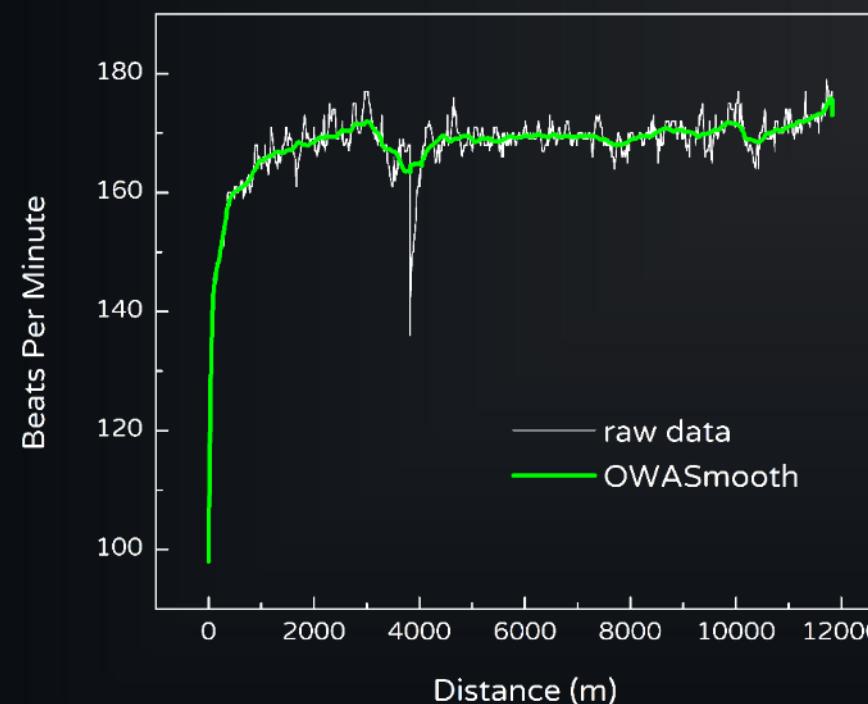
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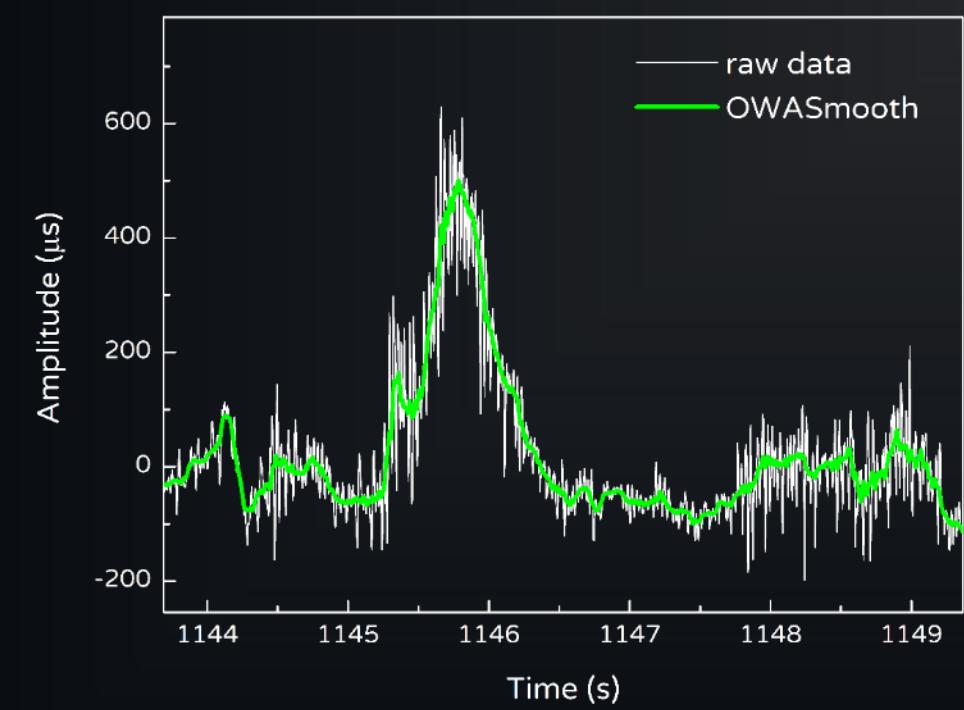
Fundamental research



Sensors & IoT



Medical diagnostics



AND MORE...



UNLOCK DATA CLARITY

Optimisation With Advanced Smoothing

Supported by



owasmooth.io



info@owasmooth.io

