



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**® & 

€2 M/hour

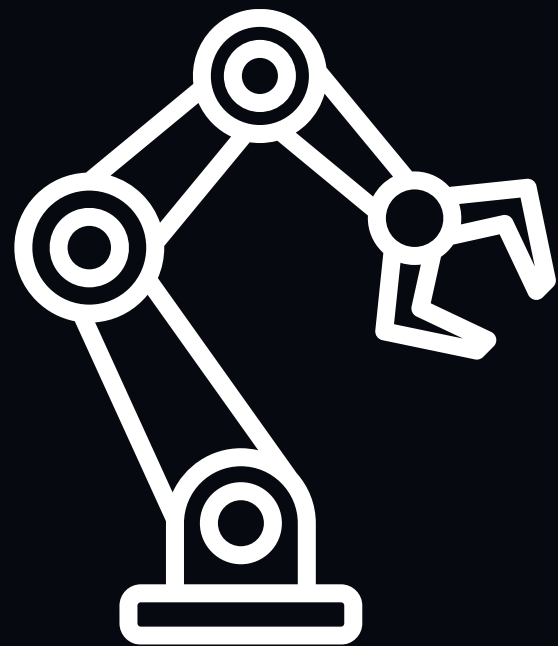
The **COST OF
DOWNTIME,**
in automotive industry

Source: **SIEMENS**

WHAT IS THE ISSUE?

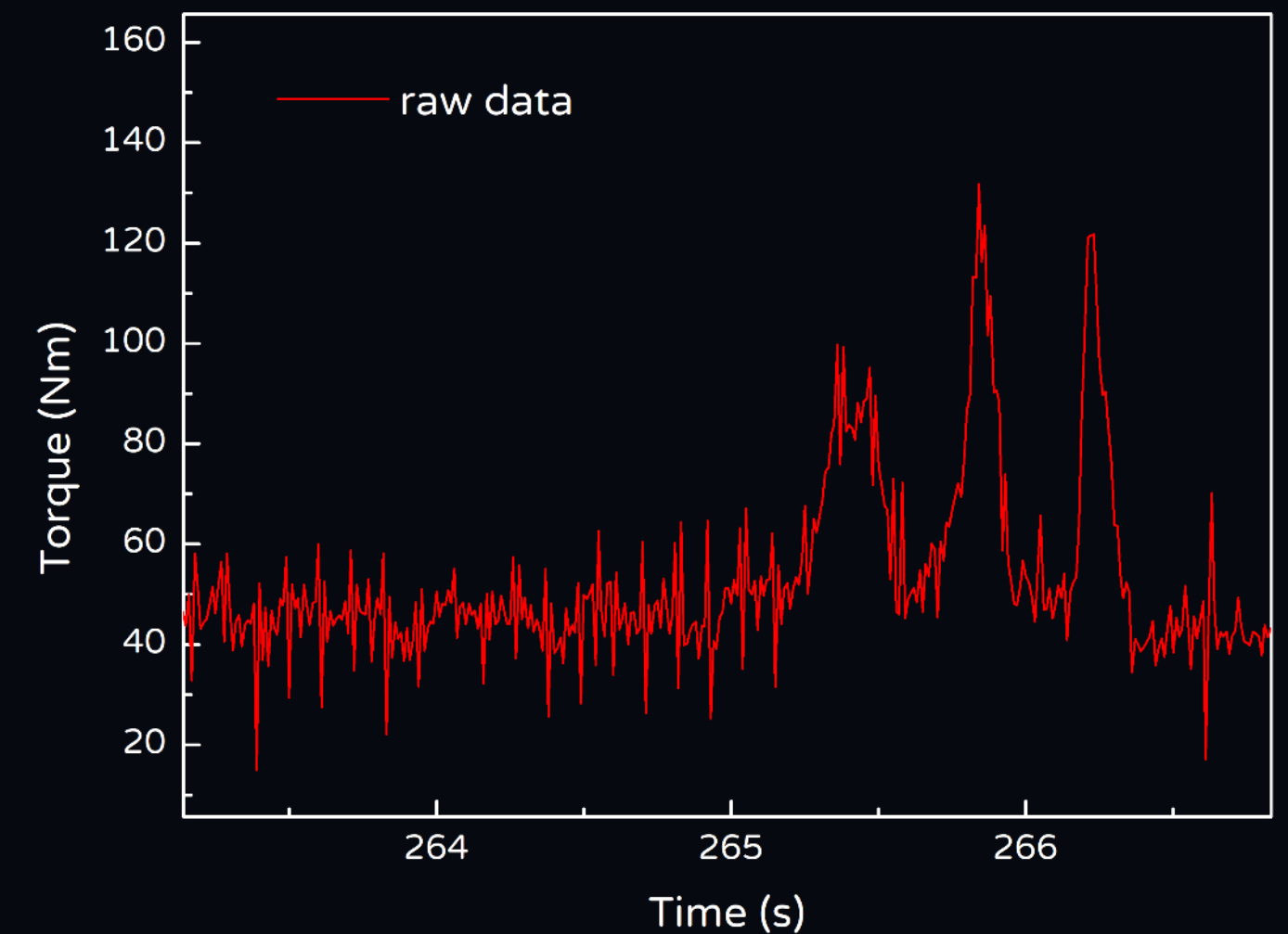


Example - Cobot



Robotic arm

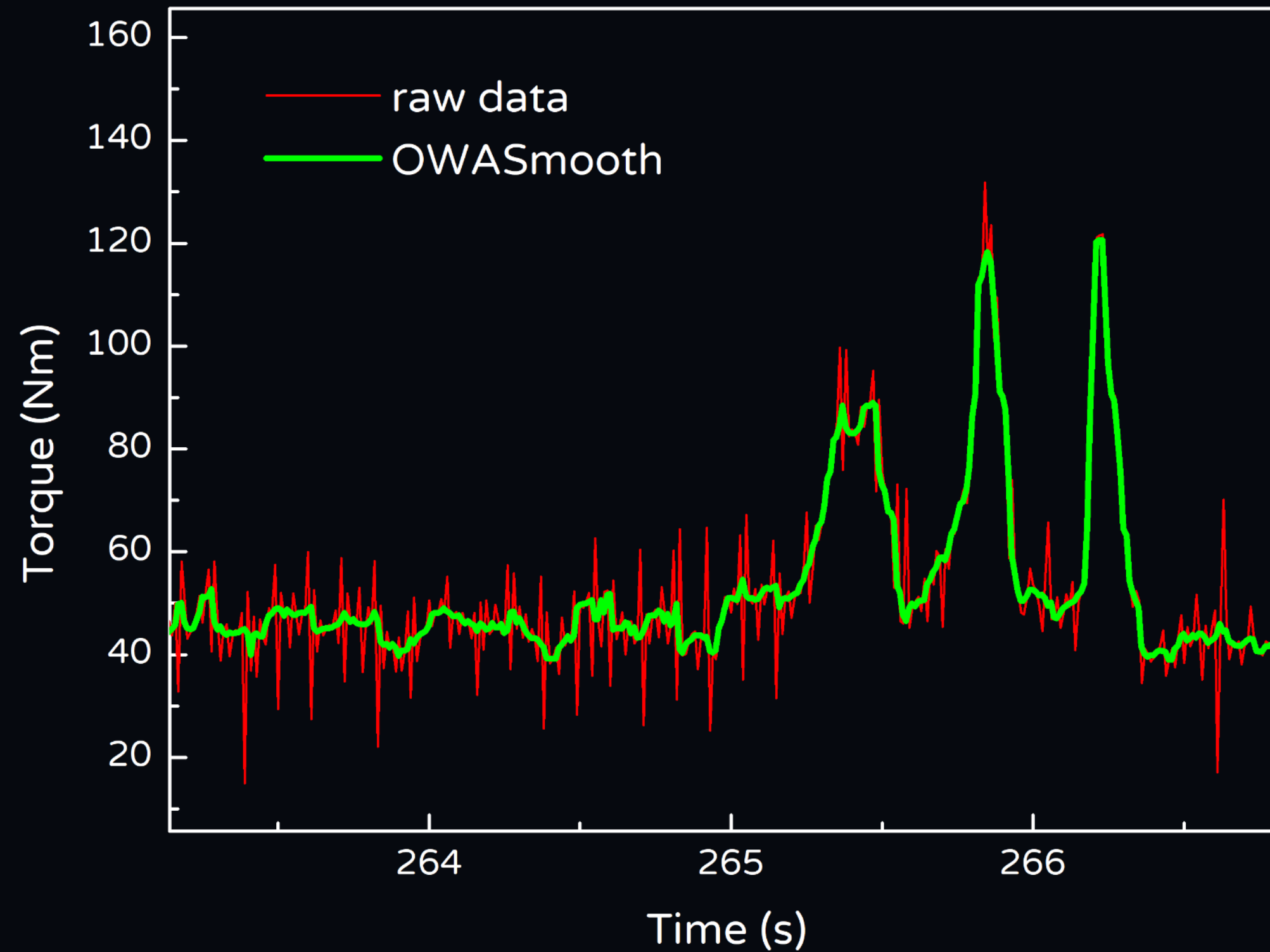
Noisy data, fluctuations disabling collaborative contact detection.



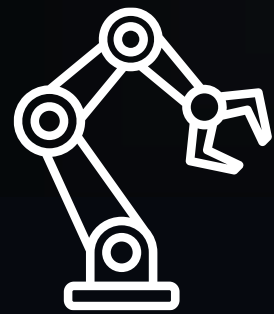
SOLUTION



OWASmooth



SOLUTION



+



=

Safer operation &
better performance

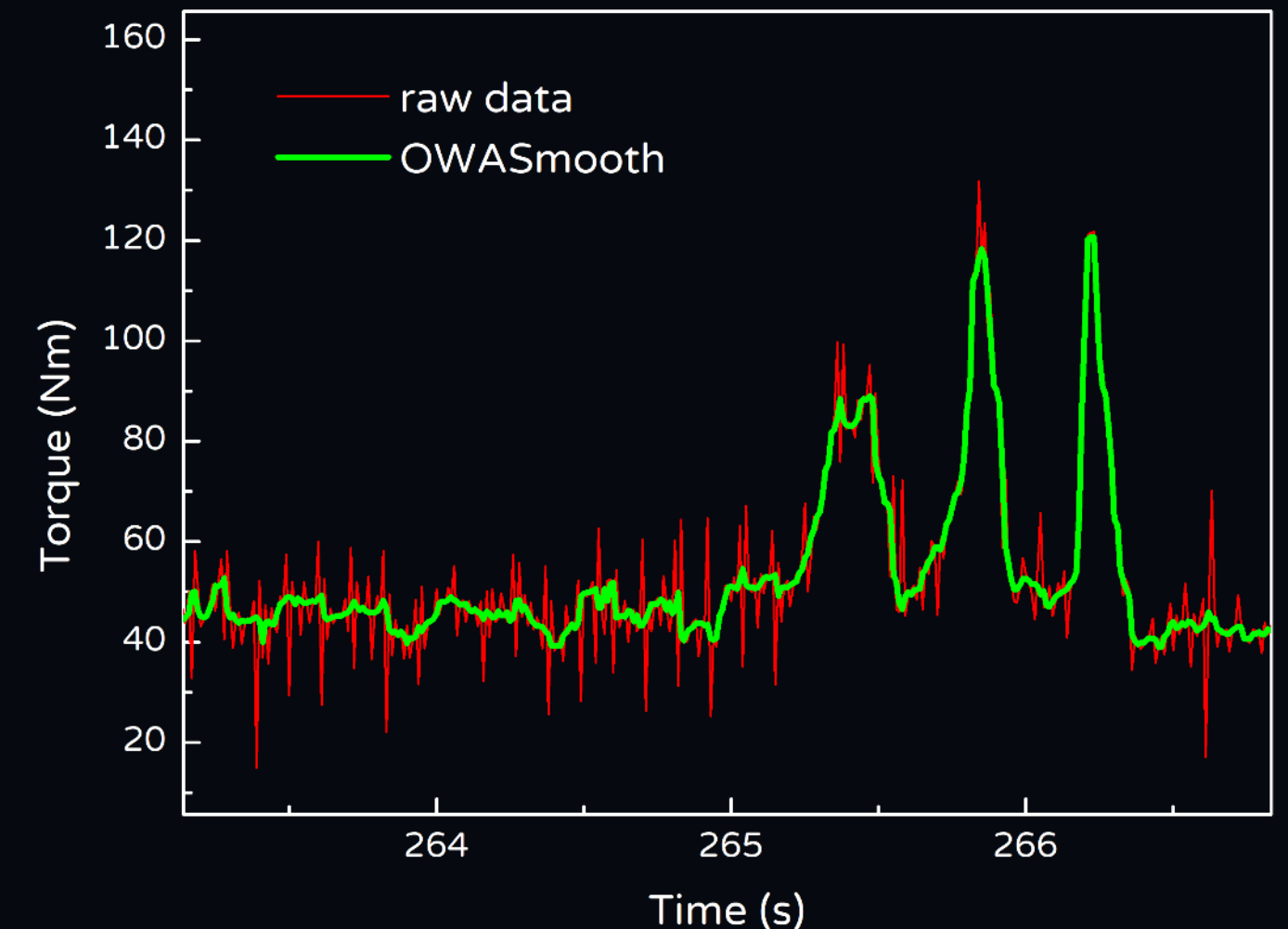
Cut **€18,000** per robot

HIGH-QUALITY DATA

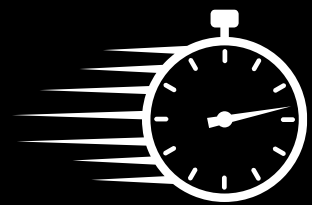
OBJECTIVE DECISION MAKING

OWASmooth

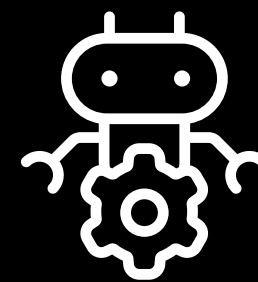
70% IMPROVEMENT



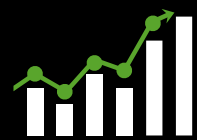
OWASmooth CRUCIAL PROPERTIES



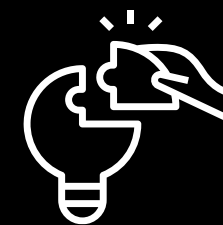
Fast
real-time data
processing



Computationally
simple
edge-device
compatible



Sensitive
without data
distortion

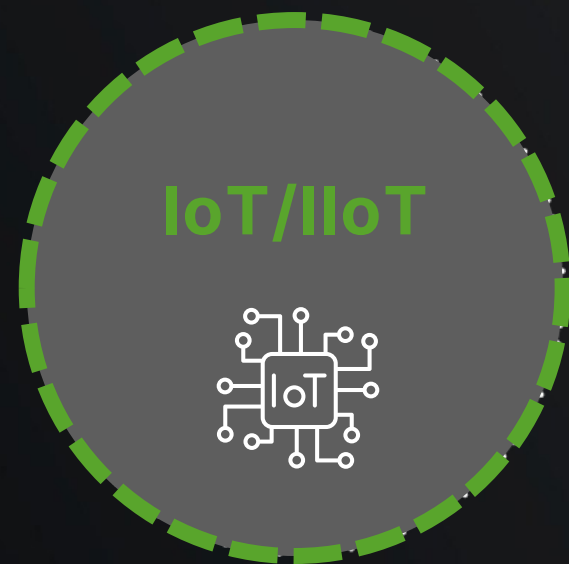


Tailored
adjusting parameters
for every application

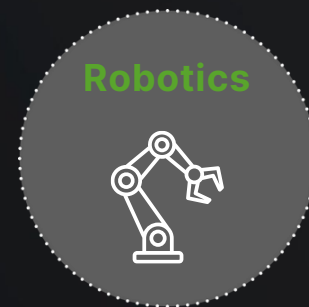
OUR POTENTIAL CLIENTS



For organisations facing data problems **where conventional methods fail to extract reliable information.**



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

Science

Healthcare

Wearable

Energy

UNITE

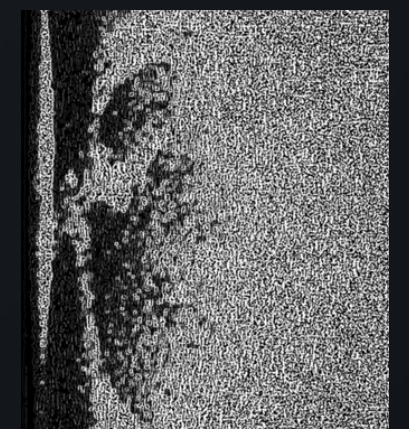
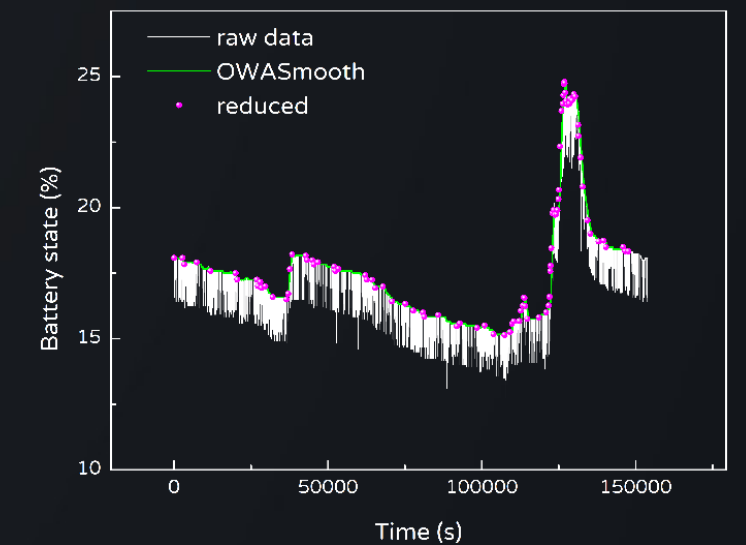
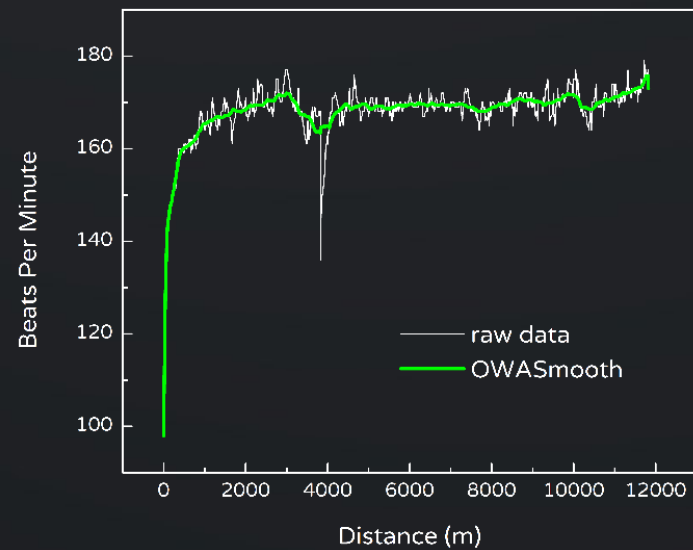
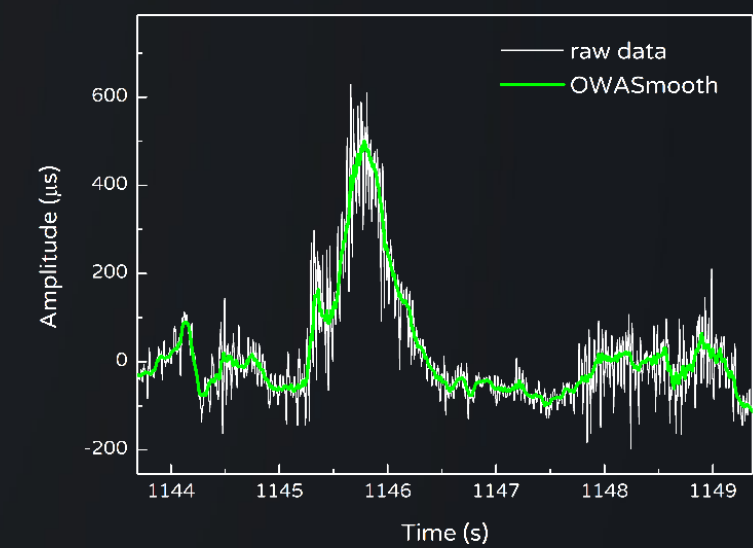
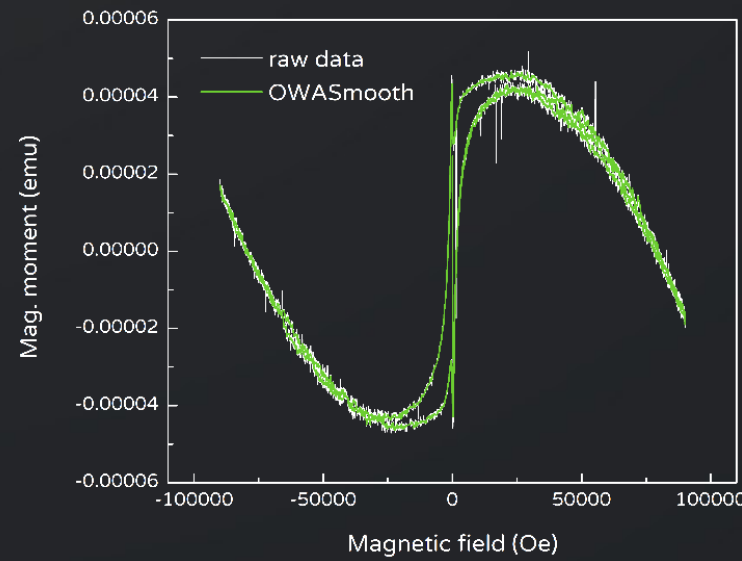
Images

Radar

VISSIM

Robotics

spinbotics



IMPLEMENTATION



COMMERCIAL

SaaS cloud processing

INDUSTRIAL

Embedded devices



SEAMLESS INTEGRATION

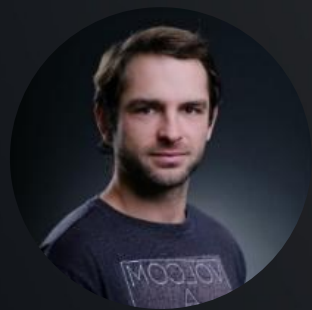
CASE STUDY

ENERGY MANAGEMENT with  UNITE

Significantly enhanced quality **by 93%**

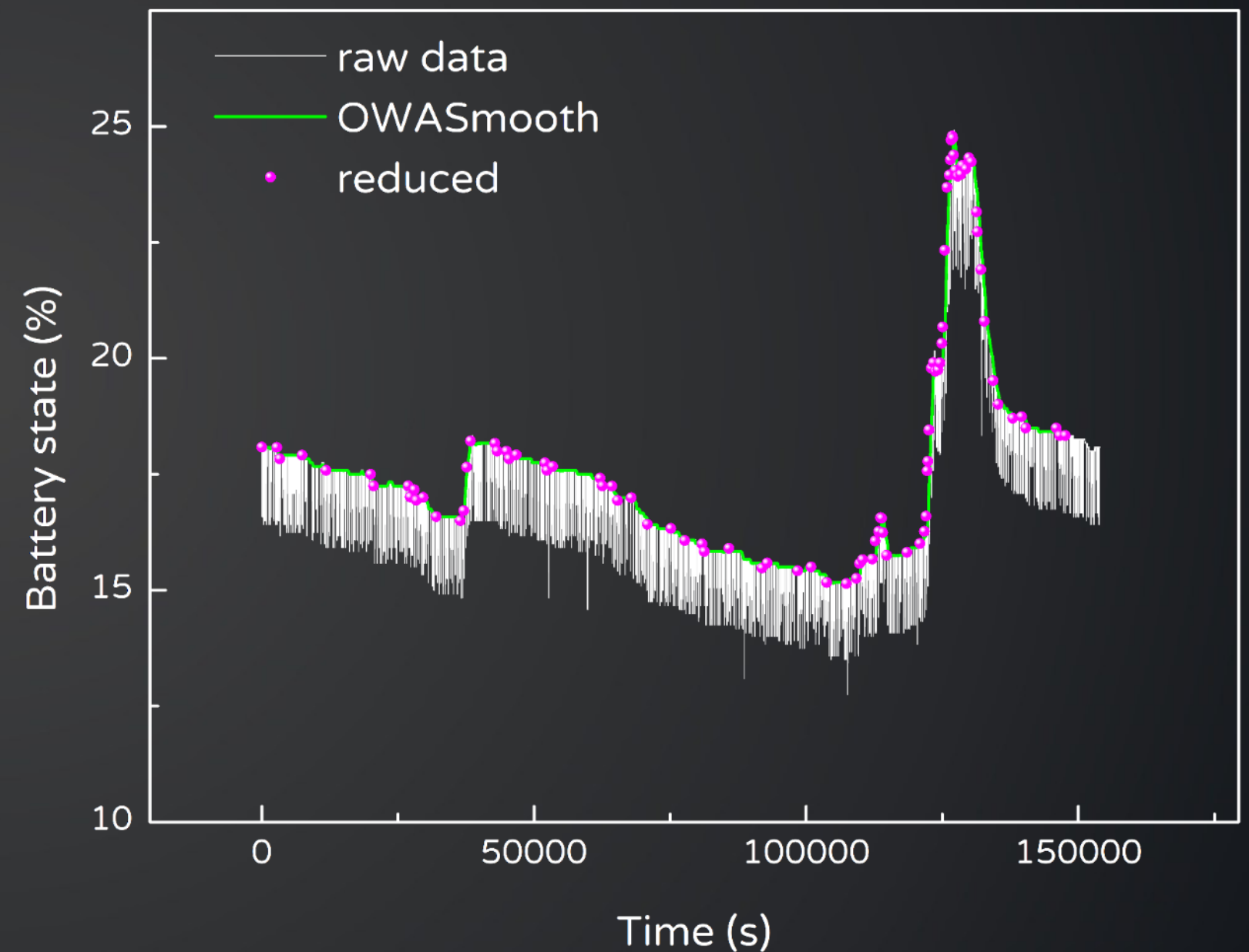
Reduced data volume **by 53%**

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



SATELITE TELEMETRY
„big data“ processing **OWASmooth**

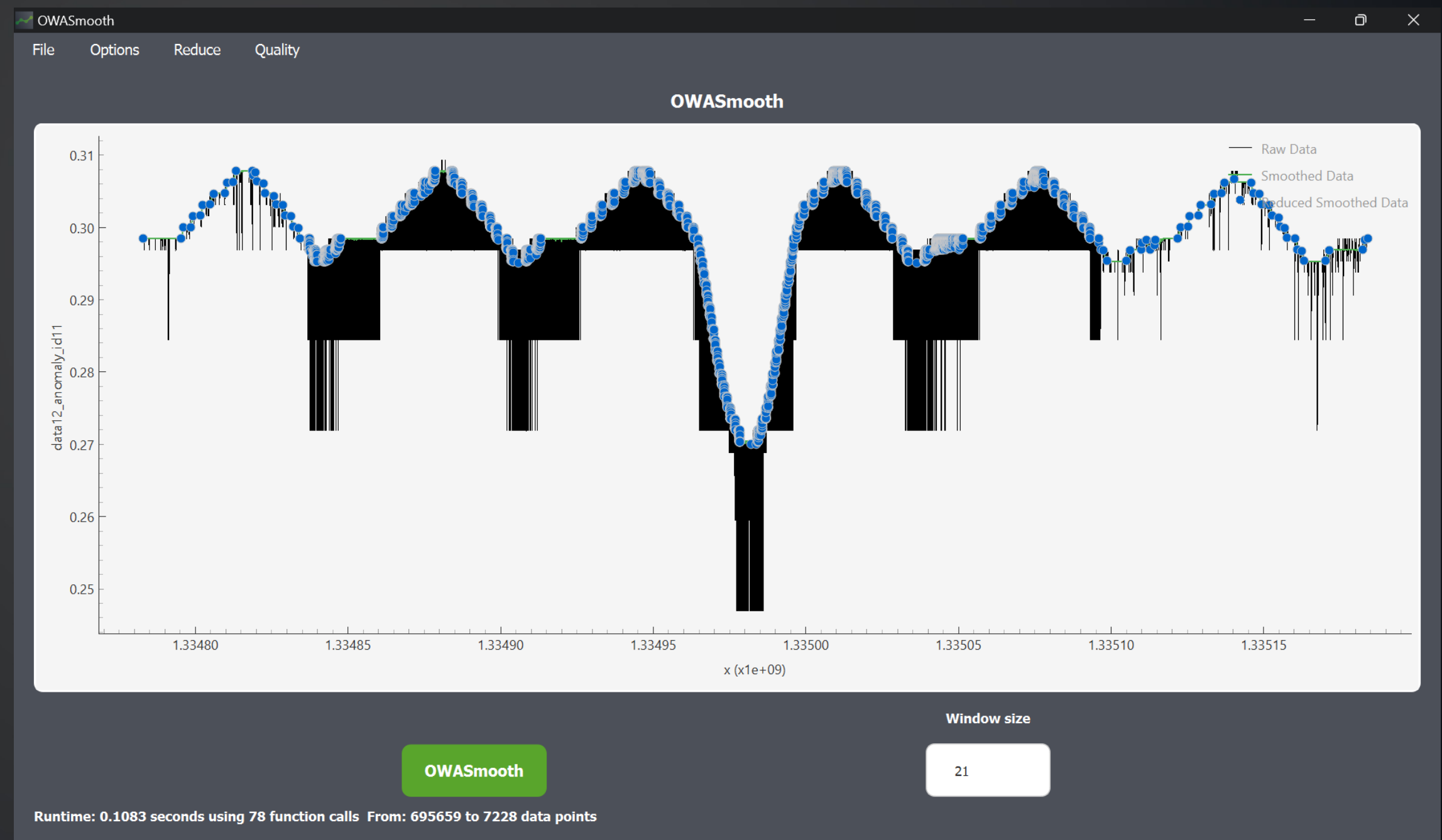
ESA dataset – OWASmooth capabilities test

14,258,506 datapoints – data quality enhancement, and volume reduction while preserving anomalies

Higher data quality → **efficient** data volume reduction

Relevant **trends are preserved**

Volume reduction of almost **99%**
compared to the raw dataset



MARKET OPPORTUNITY



Combined market
\$1.4 TRILLION

CAGR over **20%**

ROBOTICS
Beachhead market

\$21.94 BILLION

IoT

Sensors

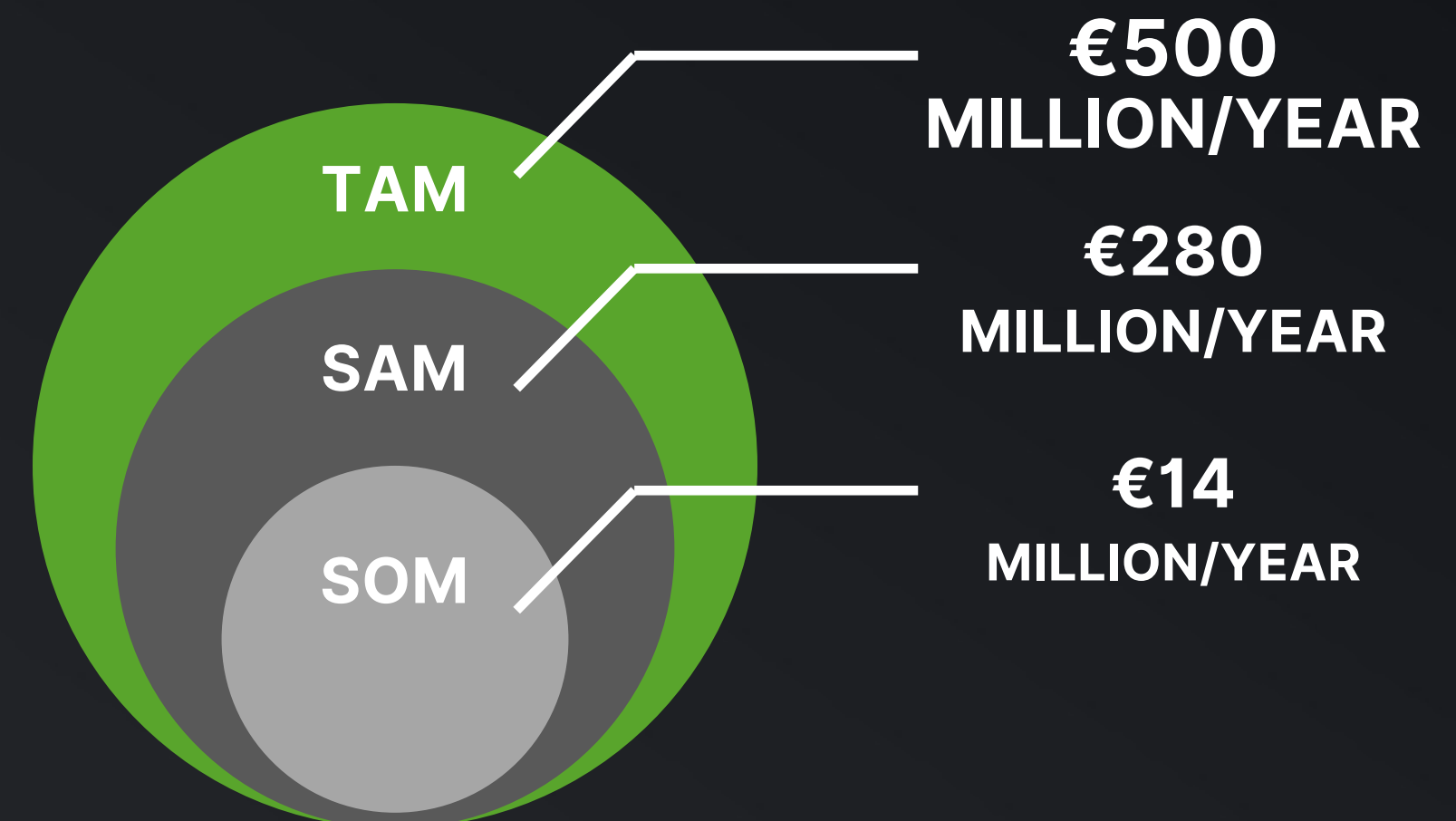
Robotics

Healthcare

Computer vision

Wearables

Radars



Source: [Fortune Business Insights](#)

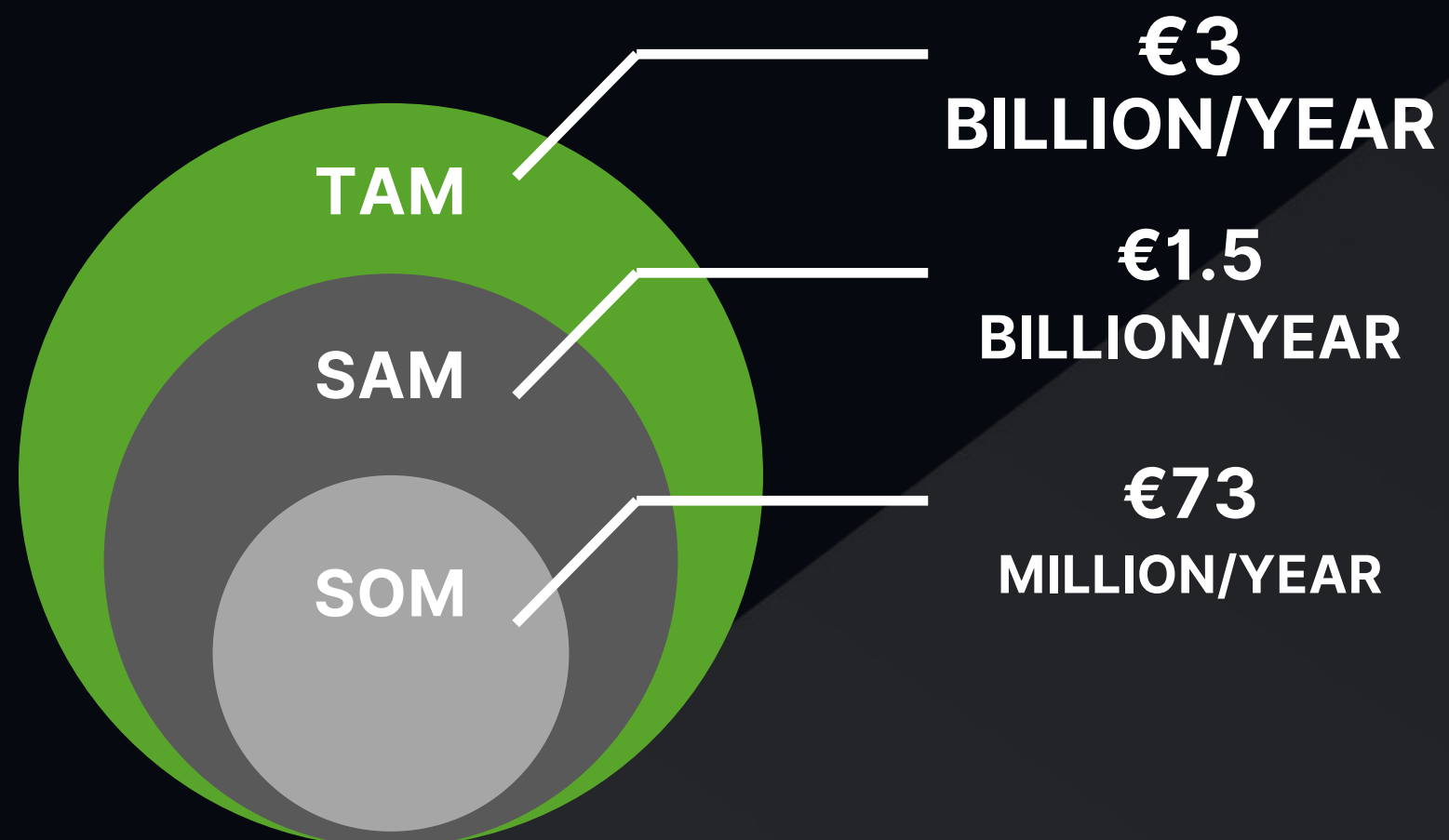
MARKET OPPORTUNITY



SPACE TECH

Based on VC's advice

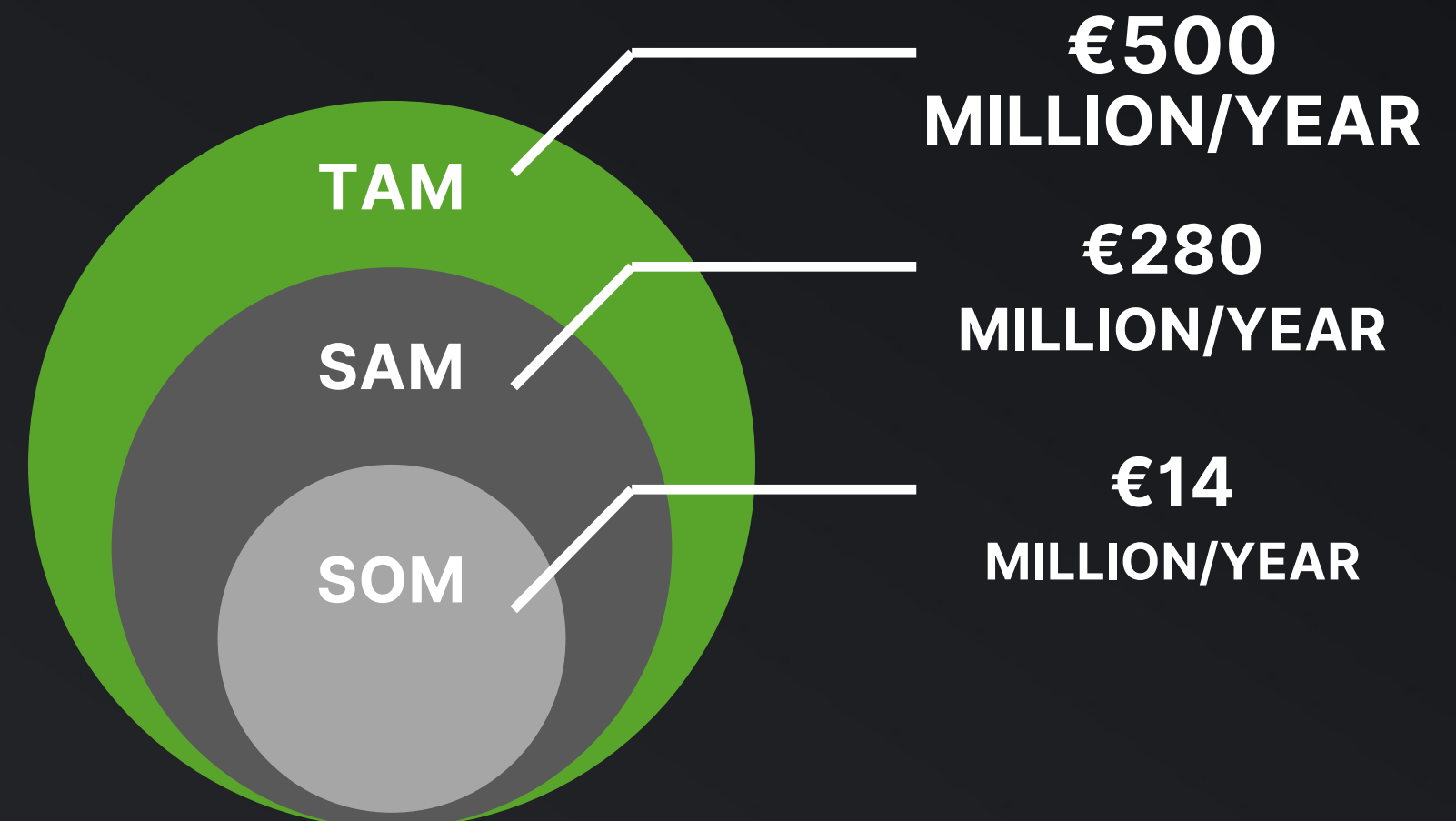
\$149 BILLION



ROBOTICS

Beachhead market

\$21.94 BILLION



BUSINESS MODEL & COMPETITORS



B2B

REVENUE STREAMS



Software libraries provided under a **licence**

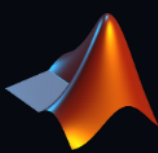
Subscription fees for cloud API

Lifetime licences bound to a single device

Consulting



EKKONO.ai



MATLAB

	Math Models	AI Toolkits	Platforms	 OWASmooth
Speed	✓	✗	✓	✓
Quality	?	✓	?	✓
Solution	✗	?	✗	✓
Simple Integration	✓	✗	✗	✓

TEAM + SCIENCE + TRENDS =



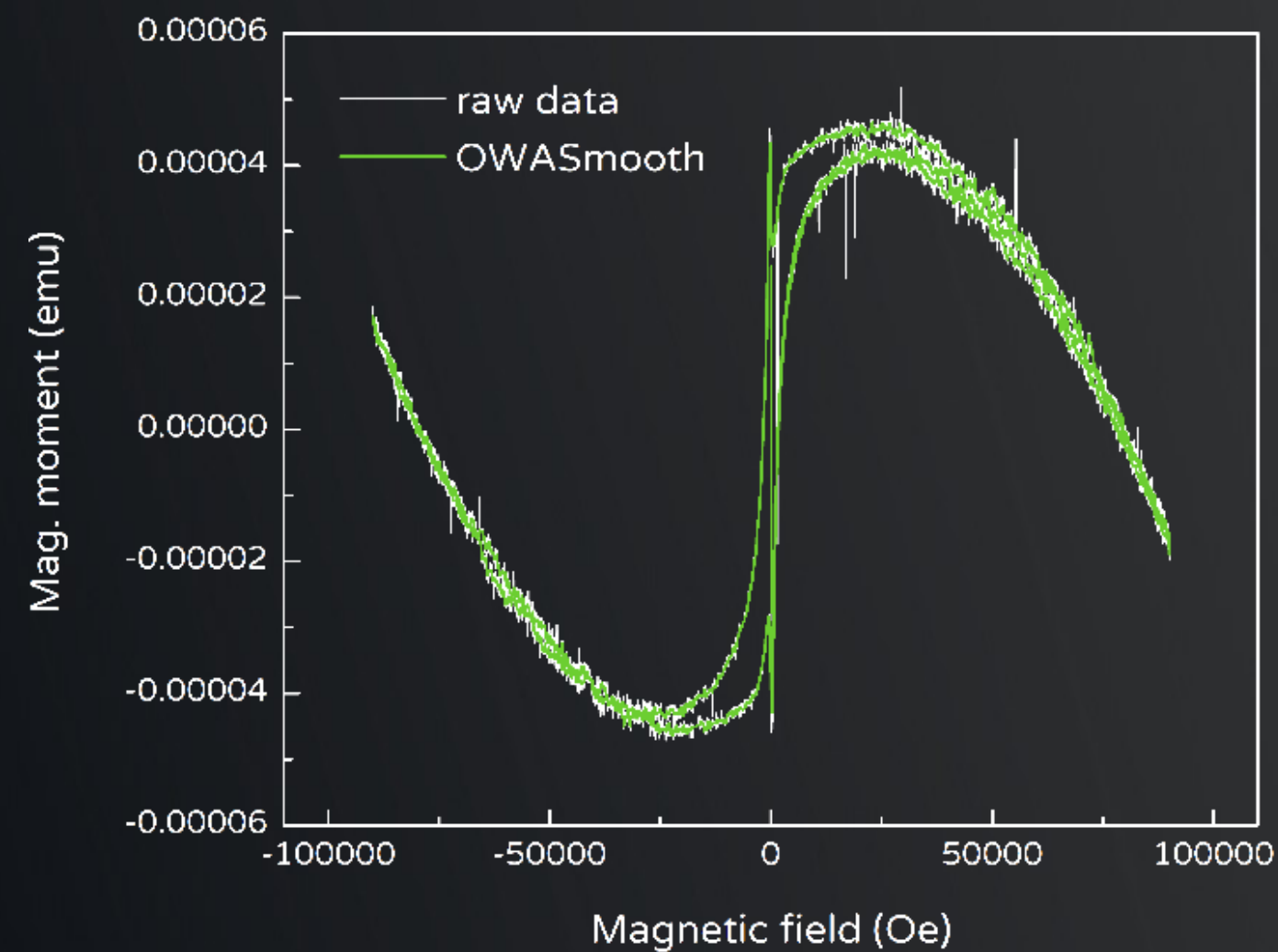
DR. MIROSLAV HENNEL

CEO & founder

physicist, several years in
sensors' R&D

Scientific data

Physics, material sciences



TEAM + SCIENCE + TRENDS =



DR. BARBORA HENNELOVÁ

CSO & founder

mathematician,
data aggregation expert

DR. MIROSLAV HENNEL

CEO & founder

physicist, several years in
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TIGRAN HOVHANNISYAN

Business specialist

Senior-level industrial
business developer



MARTIN BREYL

Business specialist

Business developer
for the CEE region



LUKÁŠ KOLLÁROVIČ

CTO

Full-stack developer



FILIP DEÁK

CTIO

Back-end & algorithms



PATRIK KRAJCÁR

programmer

Full-stack developer



DR. DANIELA BUKSÁROVÁ

Communication & marketing

Industrial partnerships

RECOGNITION



Winner of Early Stage
Startup category organised
by **Slovakia Innovation &
Startup Awards** (2025)



2nd place at
**CEE Startup Voucher
Final** (2025)

Investment from
Czech Founders VC
(2025)



TRACTION



EIC Pre-Accelerator
successful applicant → €500,000

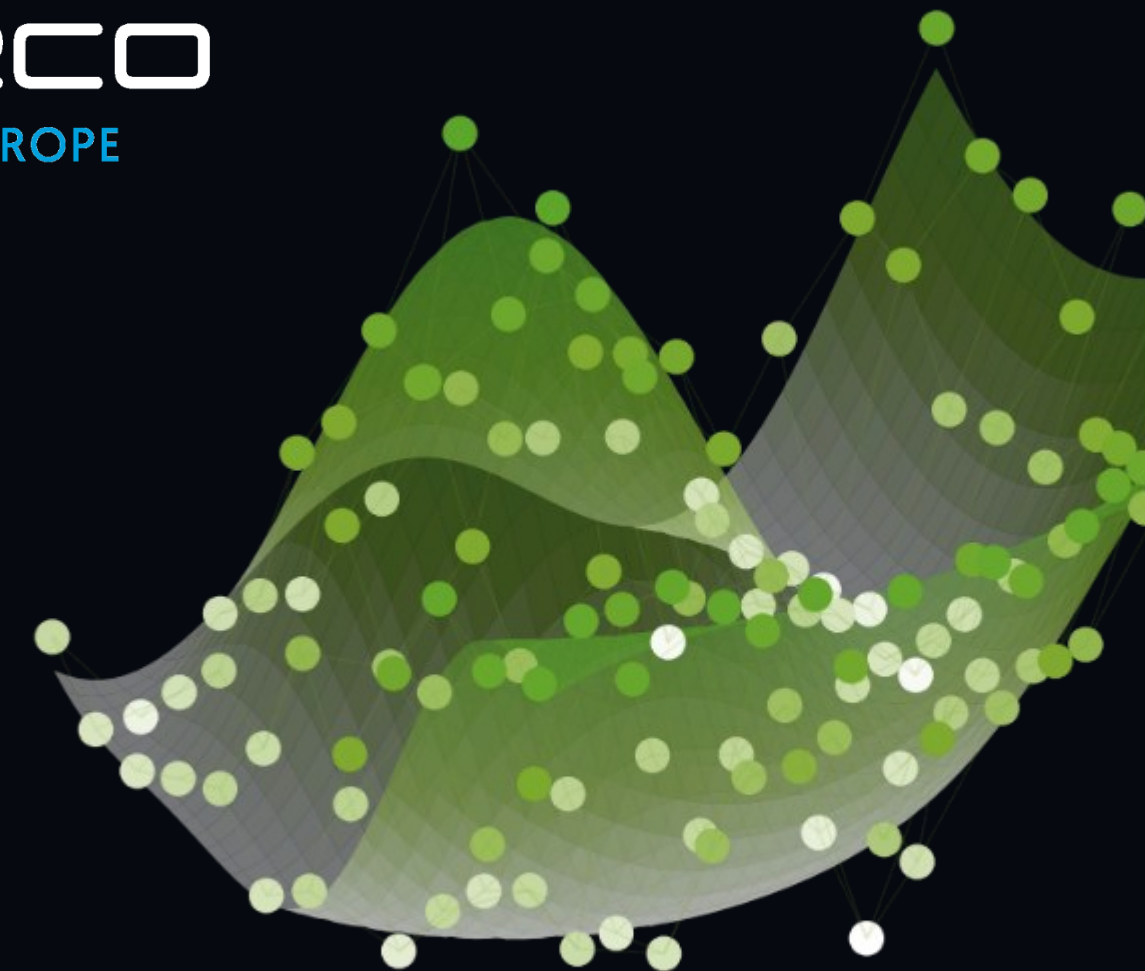
European
Innovation
Council



Efficient data collection and data analysis for
since Q4 2025

ASSECO
CENTRAL EUROPE

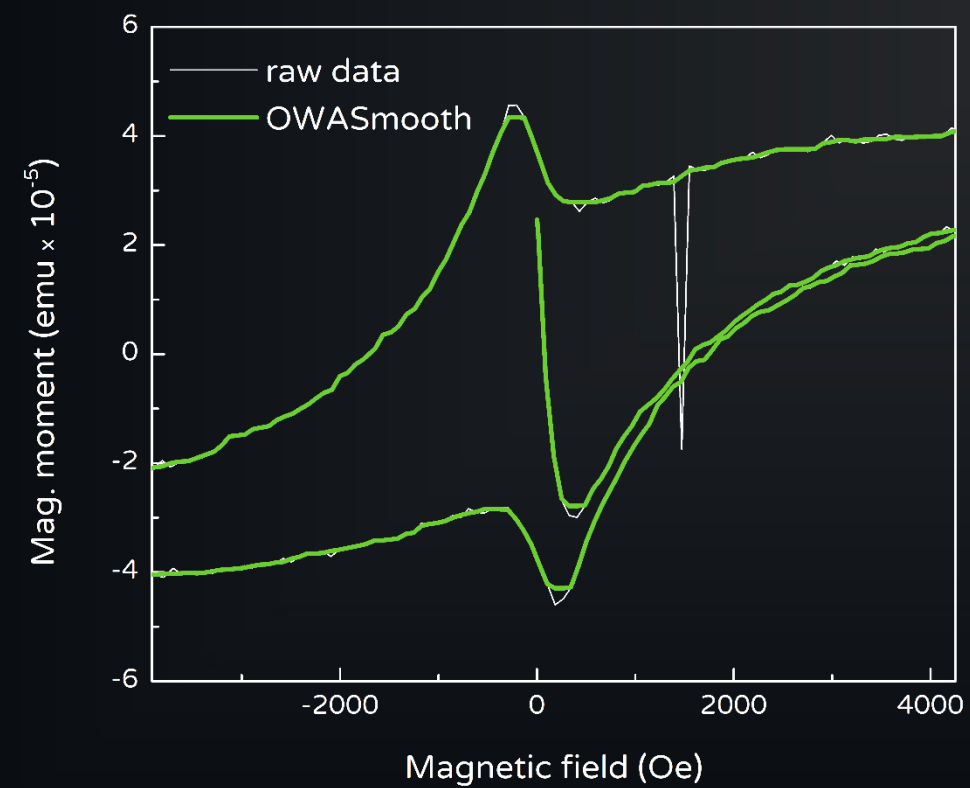
FUNDRAISING pre-seed round
start Q2 2026 → €450,000



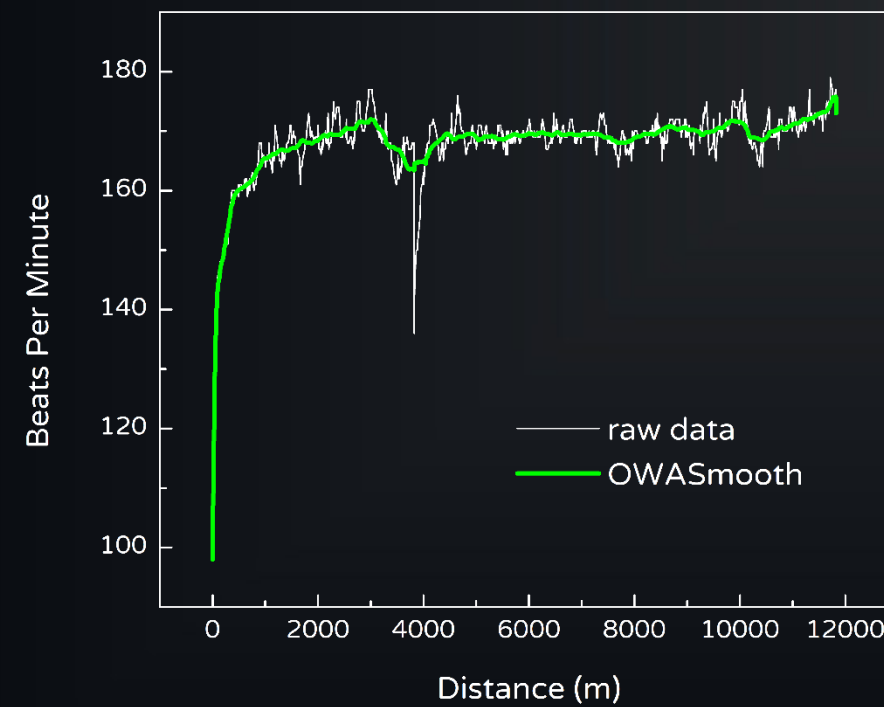
OWASmooth



Fundamental research

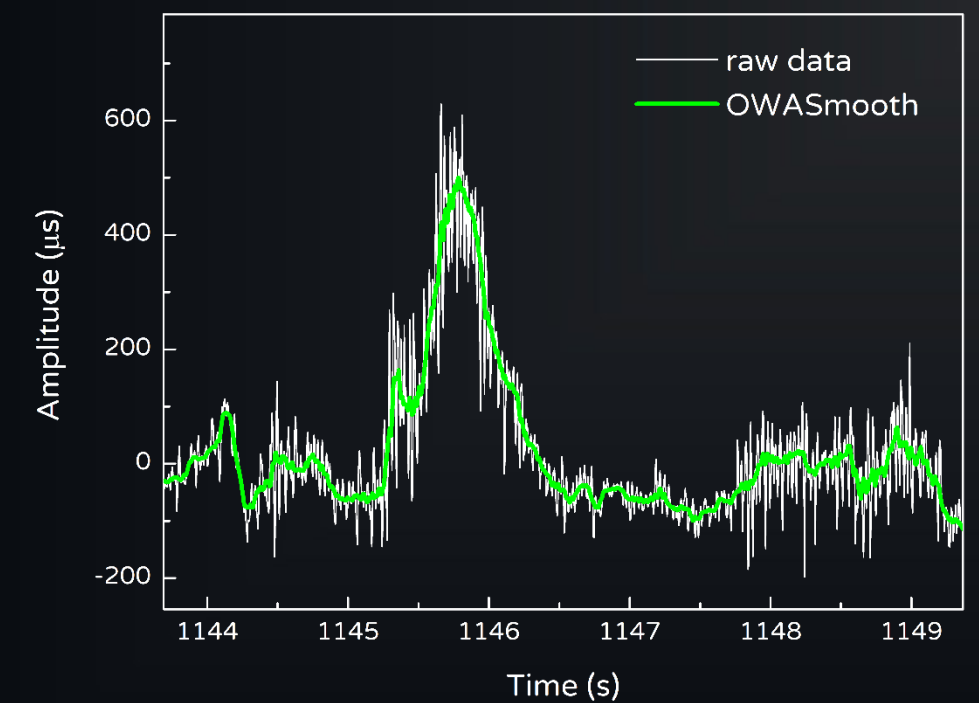


Sensors & IoT



AND MORE...

Medical diagnostics





UNLOCK DATA CLARITY

Optimisation With Advanced Smoothing

made in Slovakia — built for Europe and the World

Supported by



owasmooth.io



info@owasmooth.io

