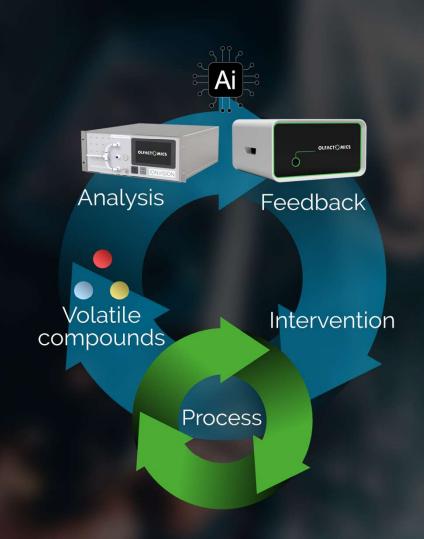


Olfactomics enables online molecular analysis of medical procedures and industrial processes



WE ARE

Two surgeons thinking outside the box

top DMS experts

legal and financial professionals



Antti Roine, MD, PhD CEO / co-founder

Surgeon-in-training turned entrepreneur since 2014 All-around medtech player with experience from research, quality and healthcare digitalization



Niku Oksala, MD, PhD CMO / Chairman of the board / co-founder

Professor of surgery at Tampere University Has held positions in pharma, medtech startups and consulted a number of tech companies



Anton Kontunen, DSc COO / partner

A decade of hands-on experience of applying DMS in industrial and medical problems



Osmo Anttalainen CTO / partner

Top expert in DMS technology
Has designed and built sensors for defence and space applications for several decades



Petteri Tenhunen

CLO / Board member /
co-founder
15+ years of
experience in startups
and life science field



CFO / Board member / co-founder

Riku Oksala

Experience from Nasdaq, managerial positions in several companies

Management team is supported by a brilliant team of engineers. We are headquartered in Tampere, Finland.

DIFFERENTIAL MOBILITY SPECTROMETRY



Routinely used in airport security to detect traces of explosives.



Used in pharma and analytical chemistry as a prefilter for mass spectrometers.



Gas detection technology developed to protect soldiers from chemical warfare agents.



High sensitivity and reliability have sent the technology to the International Space Station.



Olfactomics brings next-generation DMS to novel industrial and medical applications.



Two systems built around modular differential mobility spectrometry technology

RESECT

Class C IVD medical device that enables more accurate cancer surgery.

IONVISION

Modular gas sensor with cloud software for research and industrial quality control.

RESECT

Revolutionary surgical margin assessment

THE PROBLEM

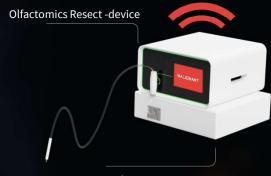


Every fifth cancer is removed incompletely in the first surgery Cancerous tissue at the margin



Current methods for margin assessment are expensive, slow or unreliable

THE SOLUTION



Smoke evacuation system

Olfactomics Resect assesses the margins as the surgeon operates by analyzing surgical smoke with DMS

VALUE

HEALTHCARE PROVIDER:

Savings from reduced reoperations and complications

THE PATIENT:

Better functional and cosmetic outcomes

IONVISION

Industrial gas analytics platform

REPROGRAMMABLE HARDWARE



FPGA-accelerated reprogrammable DMS sensor enables detection of multiple gases without hardware changes

CLOUD ANALYTICS

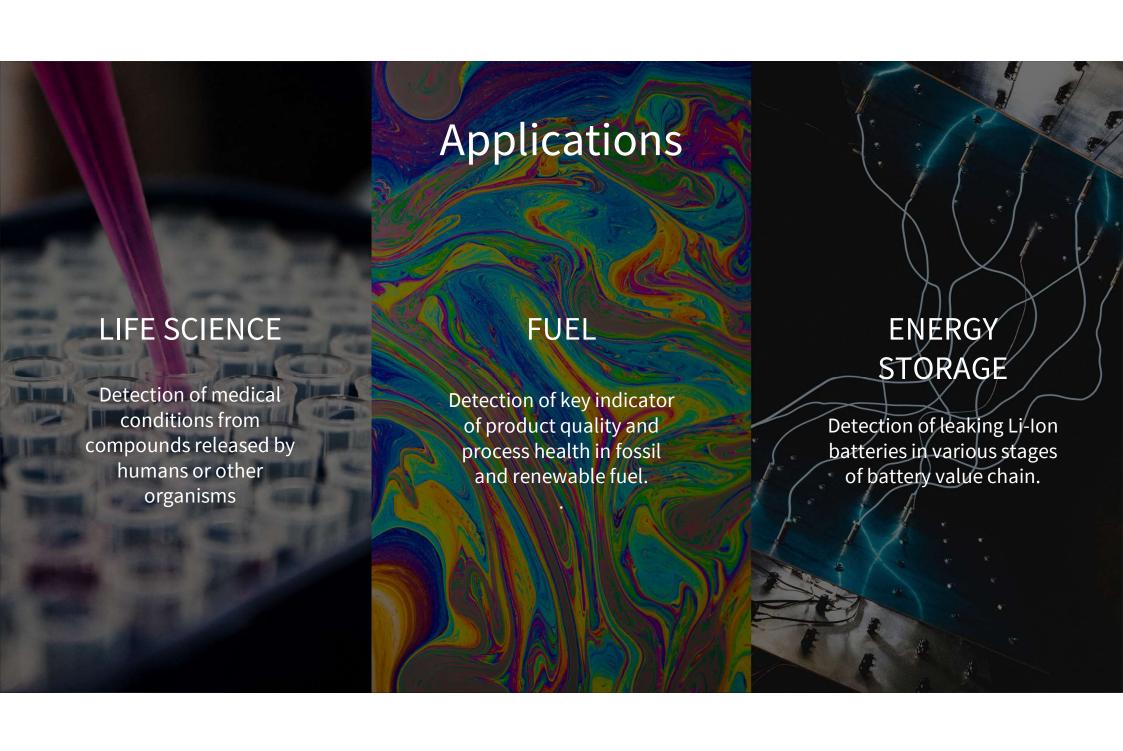


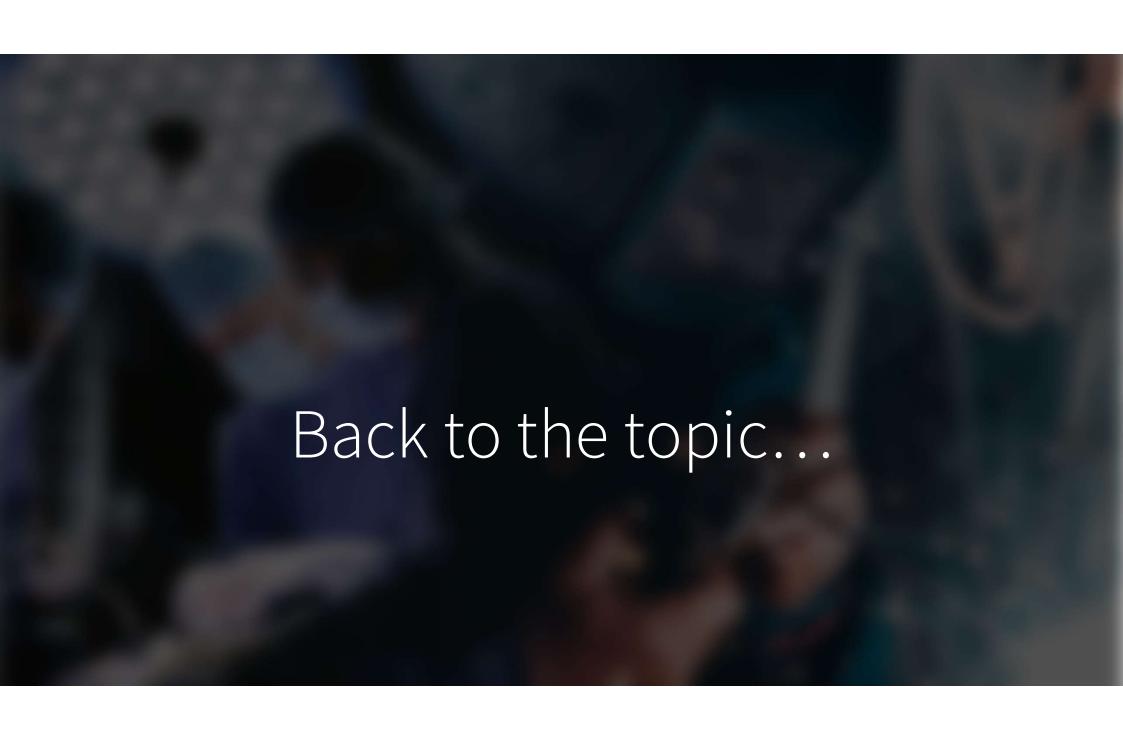
Cloud platform allows decentralized data-analytics and reduces the need for inhouse analysts for the customer

APPLICATION SPECIFIC PERIPHERALS

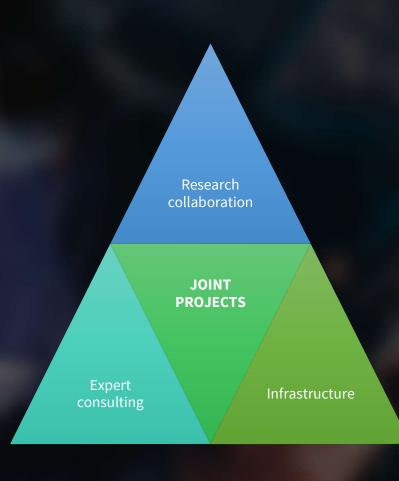


Olfactomics develops custom sampling solutions for the customer in project-basis





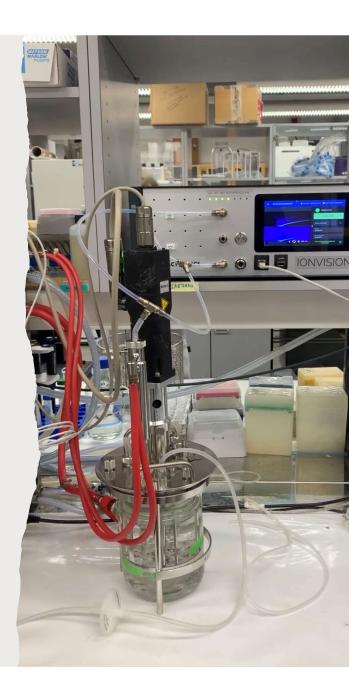
Our collaboration with TUNI





JOINT PROJECTS

- ATTRACT (EU H2020)
 - Jointly applied for development of novel laserbased sampling system with TUNI team (Antti Vehkaoja)
 - Solution still in use
 - Several publications
 - Lean R&D platform for us
- SynBioPro (BF)
 - In-Kind collaboration to pilot Olfactomics IonVision in synthetic biology
 - Successful pilot done with TUNI synthetic biology (Ville Santala)
- E3 (BF)
 - In-Kind collaboration to test the system in detection of viral infection with
 - Test conducted at Helsinki University, TUNI aerosol physics team provides gold standard reference to Olfactomics IonVision



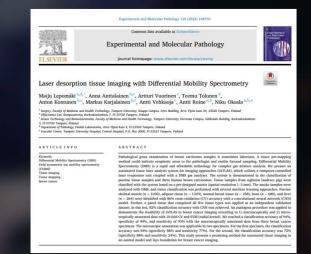
Expert consulting / infrastructure

- Olfactomics constantly tries innovative approaches to customer problems → need for instrumentation
 - A case of microlaser drilling
- PCB design work and reviews purchases from TUNI on contract basis
- TUNI Fablab services utilized for rapid prototyping of mechanical components
- Olfactomics rents lab spaces from TUNI (to stay close to excellent research infrastructure)

Research collaboration

 We strongly believe that successful long-term business is based on solid science 10+ peer-reviewed joint articles









Current Oncology





- Agile and wide collaboration with TUNI continues to be paramount in the journey of Olfactomics!
- Universities have tredenmous brain capital and top-notch instrumentation but the "marketing & sales" is still lagging.
- Best results are made with in long-term collaboration

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