

silklytics

next generation rapid tests

problem

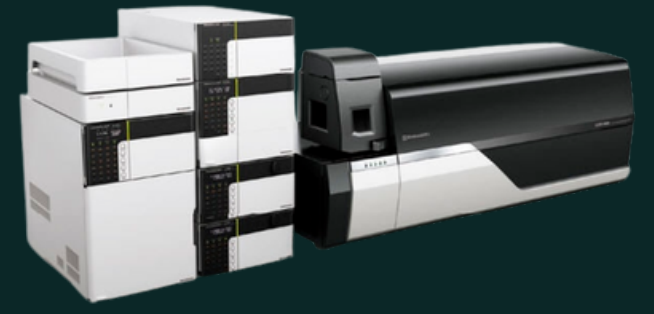


- do plants have enough nutrients?
- analysis takes too long
- result: up to 30% yield lost

problem

accuracy

complex machines



lab analysis is slow

simple lab methods



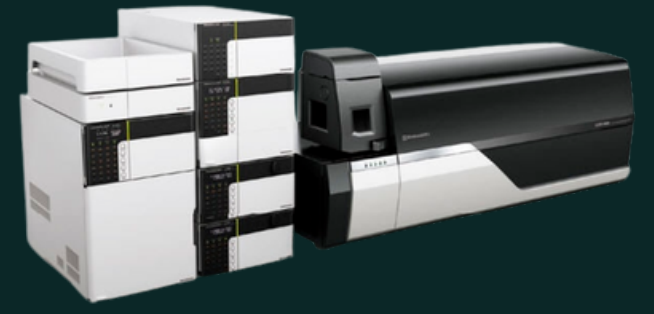
10 - 3 days

speed

problem

accuracy

complex machines



on-spot tests
are not trustworthy

simple lab methods



on-spot methods



10 - 3 days

2 - 0.2 hours

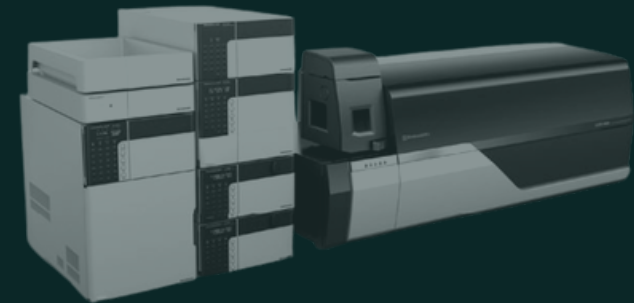
speed

problem

accuracy



complex machines

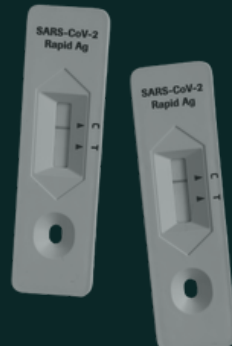


simple lab methods



accurate
AND fast
technology?

on-spot methods



10 - 3 days

2 - 0.2 hours

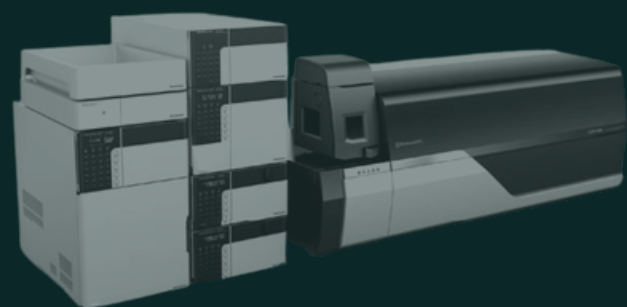
speed



solution

accuracy

complex machines



simple lab methods



silklytics



on-spot methods



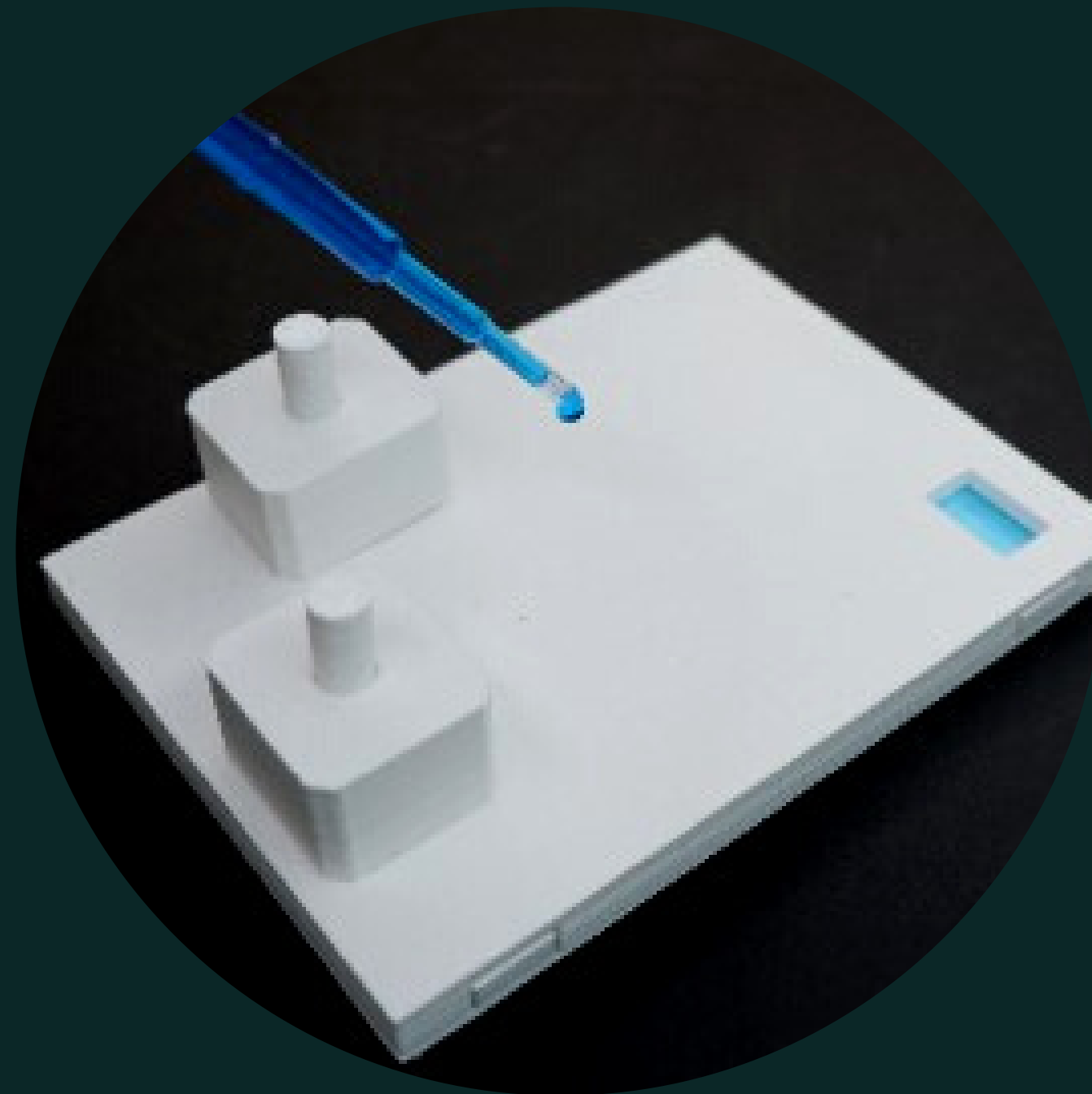
10 - 3 days

2 - 0.2 hours

speed

lab on a chip

multiple analysis
steps on a single
chip
=
high accuracy



automated,
anyone can use
=
fast, on-spot
results

lab on a chip

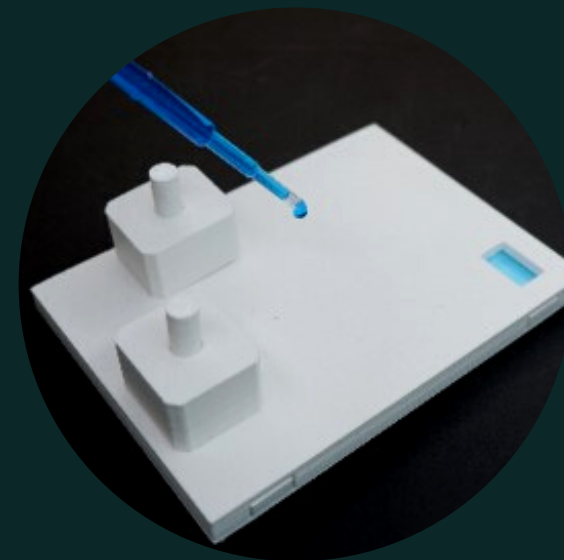
1. collect
sample



2. extract

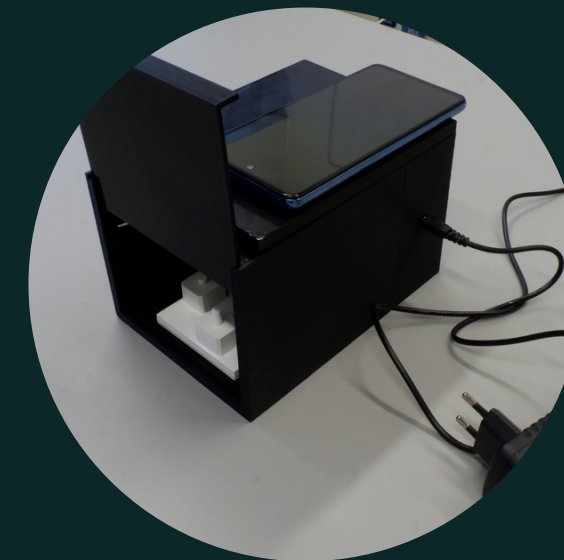


3. add
sample



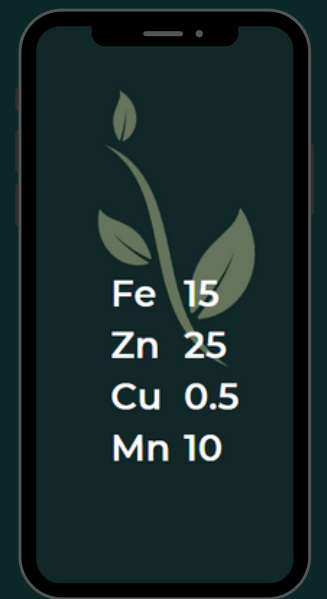
15-25 €

4. read
the signal

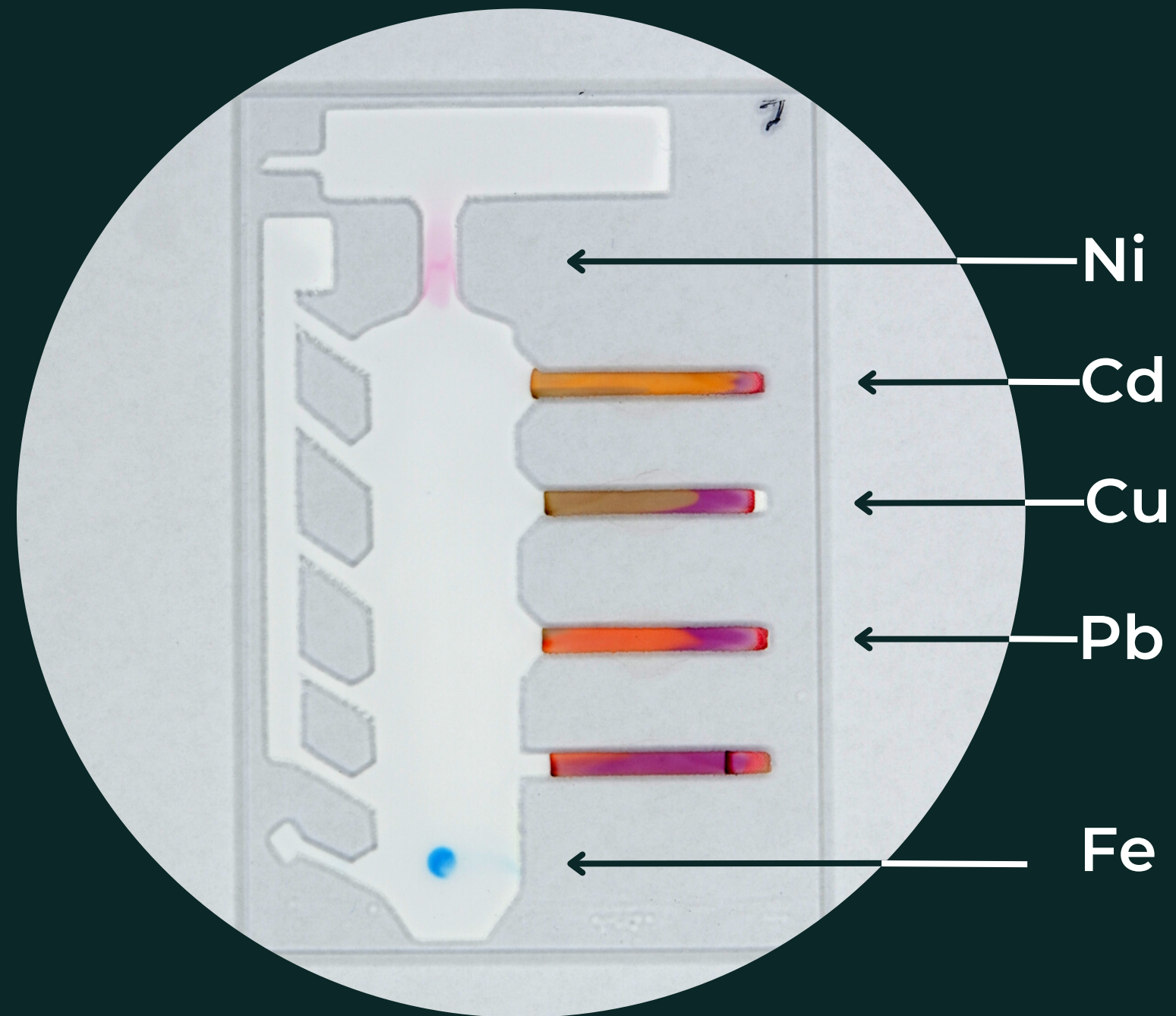


400 €

5. results



secret sauce



- our innovative chip technology
- multiple compounds on single chip
- patent pending (GB2219073.0)

plan

partners:



pre-seed
150 K €

2024

grant
funding ends

2025

seed
200 K €

2026

Test for iron (ready by 2024):

- give the test to partners for validation
- R&D:
 - tests for other minerals: Mn, Cu, Zn, K, Ca, Mg
 - small scale production

Enter the Europe and US market:

- access to farmers through agri consultants
 - large companies, labs, cooperatives
- hydrponic farms

Oppportunity



- long-term vision
- step-by-step technology and market development
- fastest, most risk free way to capture the most value

founders



Hanno Evard (PhD)

CEO

microfluidics and
entrepreneurship



Airiin Laaneväli (MSc)

CBO

biomedical engineerings
(*PhD studies*)

financial management
(*MBA studies*)



Indrek Saar (MSc)

CTO

chemistry
(*PhD studies*)

people



Hanno Evard (PhD)

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