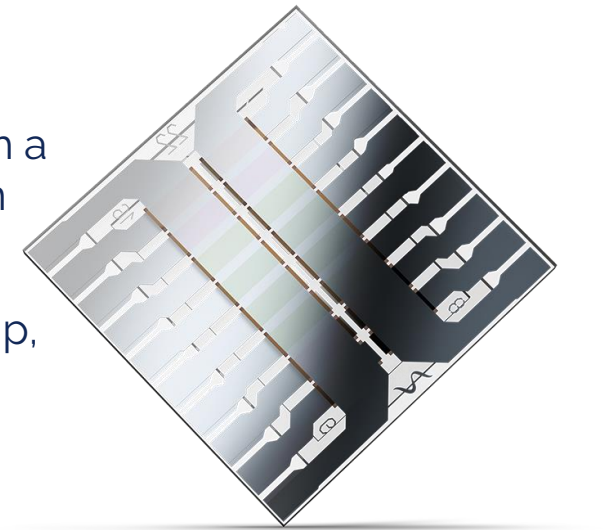


MOBILE MATERIAL SENSING SOLUTIONS FOR MASS APPLICATIONS

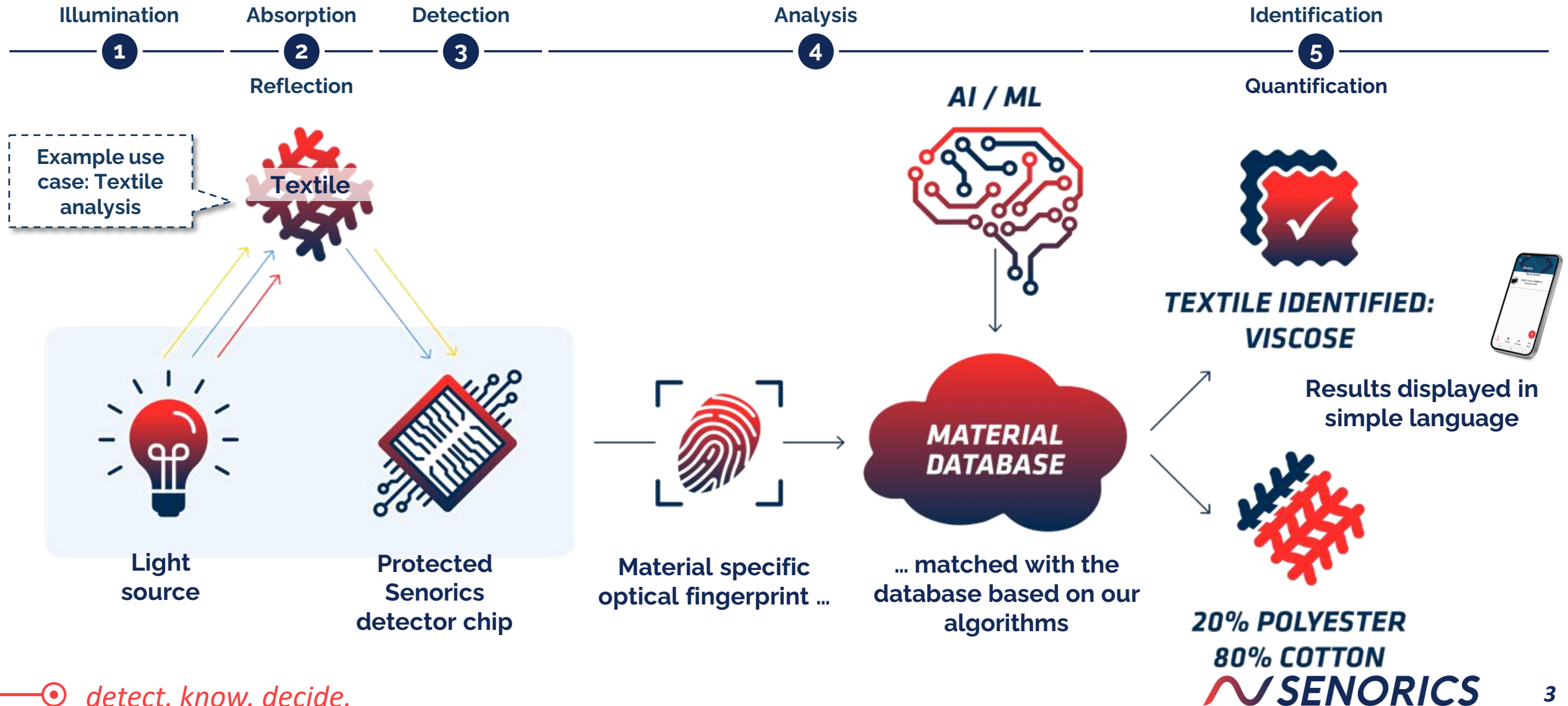
SERIES A FUNDING ROUND

SENRORICS AT A GLANCE

- ◉ Since its spin-off from Technical University Dresden in 2017, the sensor technology firm has attracted €12m in capital for technology development and product enhancement
- ◉ Senorics is currently raising €12m in a Series A funding to facilitate the rollout of their products
- ◉ Senorics' technology caters to the agriculture, textiles, and cannabis sectors, each a part of a multi-billion-dollar industry, with extensive opportunities for expansion in further markets
- ◉ Revolutionizes material analysis with its unique organic semiconductor sensor chip, which is protected by 50+ patents
- ◉ Turns near-infrared spectrometry from an analysis method so far confined to professional use to a value-adding functionality usable by anybody
- ◉ Miniaturization roadmap in place towards a low-cost single chip sensor suitable for integration into handheld devices including the smartphone
- ◉  is investor, technology partner and first agri tech customer
Series contract signed (lifetime value of €24.9m)



HOW SENORICS' MATERIAL SENSING WORKS



SENORICS' DISRUPTIVE CAPABILITIES



Patented optical absorption effect
for 450nm to 2000nm with a focus on
950nm to 1750nm



BROAD RANGE OF APPLICATIONS



Fabrics
fibers



Sugar
level



Ripe-
ness



Starch
level



Active
agents

SMALL + ROBUST + ACCURATE + QUICK

Patented optical design for monolithic
spectroscopy chips; high performance is
proven by ZEISS



LOW-COST

Organic electronics enable reducing prices to
a few € /chip

PRODUCT EVOLUTION

Traditional Spectrometer



SENORICS Today



Handheld analyzer
(size of computer
mouse)



Pocket device
(size of a car key)



SENORICS Tomorrow



Single-Chip Sensor¹⁾
100 x smaller (chip-size)
1,000 x cheaper (<25€)
100 x faster (<0.2s)

¹⁾ Comparison with traditional lab spectrometer

Senorics moves NIR spectroscopy out of
the lab into a pocket device

APPLICATION FIELDS BENEFITING FROM SENORICS

Business Plan applications

Agriculture



- ⊙ Animal feed analysis and on-the-field analysis of crops, fruits and vegetables
- ⊙ Better yield and quality in the production of edible plants, dairy products, meat

Cannabis



- ⊙ Enabling precise real-time quantification of the THC/CBD content in cannabis flowers
- ⊙ Better ease and quality of drug preparation; optimal dosing of marijuana for recreational use

Textile



- ⊙ Enabling precise onsite analysis of the material composition of yarns
- ⊙ Measurement in real-time and replacing expensive test methods
- ⊙ More efficient quality monitoring and raw material selection

Pipeline applications

Nutrition

Food



Monitoring nutrition and protein intake; detecting nuts; assessing freshness of fruit, vegetable, meat

Beverages



Detecting alcohol and sugar content; quality of milk

Gardening



Detecting ripeness and ideal harvest time of fruit and vegetable

Lifestyle

Fashion



Measuring material composition of clothing (e.g., wool, cotton, synthetic fiber)

Cosmetics



Enabling care recommendations through skin (moisture) analysis

Brand Protection



Verifying authenticity of luxury goods

Other

Home Appliances



Improved floor cleaning (RVC), washing program self-selection (Laundry)

Recycling



More precise sorting of plastic and textile material fractions

Pulp & Paper



Inline production process control

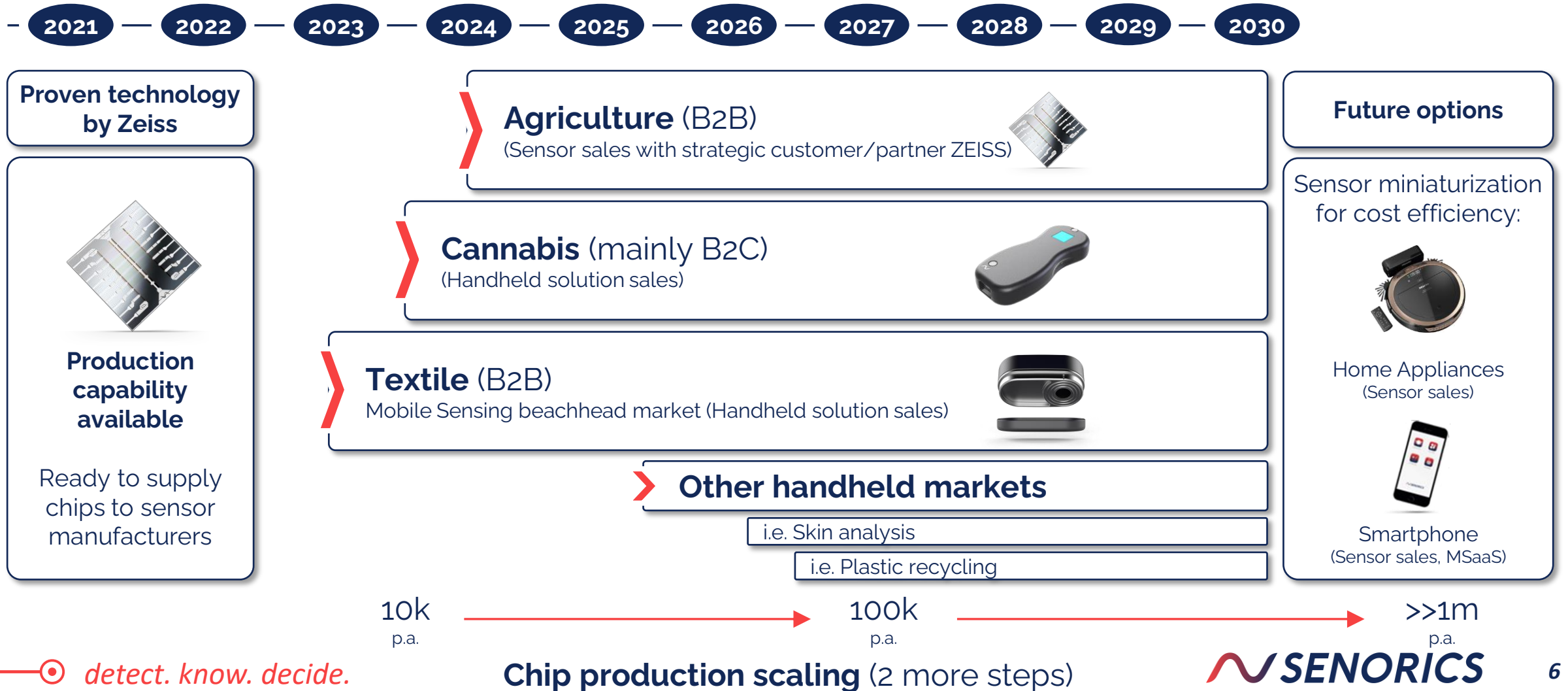
Medical



Pill analysis: detection of active agents, authenticity check

A multitude of applications become addressable with NIR spectroscopy for the first time thanks to **Senorics' unique Material Sensing solution.**

PRODUCT MILESTONES & ROADMAP



CURRENT MARKET WITH SIZABLE OPPORTUNITYS

Agriculture



Current market size estimations was based on a top-down approach

CAGR: 5.6%²⁾

TAM³⁾

>114m

SAM⁴⁾

>7m

SOM⁵⁾

>330k

€33m

Cannabis



CAGR: 15.8%¹⁾

>300m

>13m

>235k

€118m

Textiles



CAGR: 5.5%²⁾

>2m

>66k

>20k

€40m

ENABLING THE SMARTPHONE

- Senorics on its way into the smartphone through
 - Sensor miniaturization
 - Production scaling
 } Cost reduction
- TAM = €5bn** for hardware-based business



Enabling immediate access to billions of new users for Senorics' mobile sensing solution

	Food	Recreational Cannabis	Gardening	Brand protection	Health
Application examples	Food freshness, ingredients testing	Cannabis testing for recreational use	Ripeness & fertilization	Genuity of luxury goods	Blood/skin/hair analysis
Number of users ¹⁾	>1bn	> 240m (growing fast)	>20m	>100m	>1bn

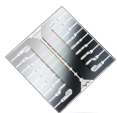
SELECTED CUSTOMERS

AGRICULTURE

STRATEGIC PARTNER MARKET



- ⊙ ZEISS as strategic OEM-customer for agri tech applications
- ⊙ First product in final development phase
- ⊙ Series contract with ZEISS signed (lifetime revenue €24,9m)
- ⊙ ZEISS official supplier status
- ⊙ Product: high-end sensor chip



TEXTILE (YARN)

INDUSTRIAL BEACHHEAD MARKET



- ⊙ Customer accuracy requirement overachieved
- ⊙ Test devices sold to ca. 20 additional potential customers
- ⊙ Products: *SenoCorder* (B2B)



CANNABIS

B2C BEACHHEAD MARKET



- ⊙ Recreational and medical cannabis use
- ⊙ Substantial interest in pilot product ...
- ⊙ ... from various cannabis market participants: wholesalers, distributors, growers, lifestyle end-users, pharmacies
- ⊙ Products: *SenoPocket* (B2C), *SenoCorder* (B2B)



PIPELINE CUSTOMERS

Agriculture



Textile



Food



SHIV INFOTECH

Home appliances



Other



TEAM

LEADERSHIP TEAM

+35 years of combined industry and management experience



Thomas Schlicher
CEO

- ◉ Master of Science in Electrical Engineering
- ◉ 26 years of experience in various electronics and sensor industries
- ◉ 5 years in automotive sensor industries as General Manager



Dr. Robert Brueckner
CTO & Founder

- ◉ CTO of Senorics since 2017
- ◉ PhD in Physics in the field of optoelectronics
- ◉ 15 years in R&D; 12 years R&D group leadership
- ◉ Carl-Zeiss-Award for Young Researchers in 2016



Frank Schenk
CFO

- ◉ Business graduate
- ◉ 25 years of experience as CFO in the IT environment, online printing, real estate management
- ◉ 8 years management experience at start-ups

TEAM OF 33 FTEs

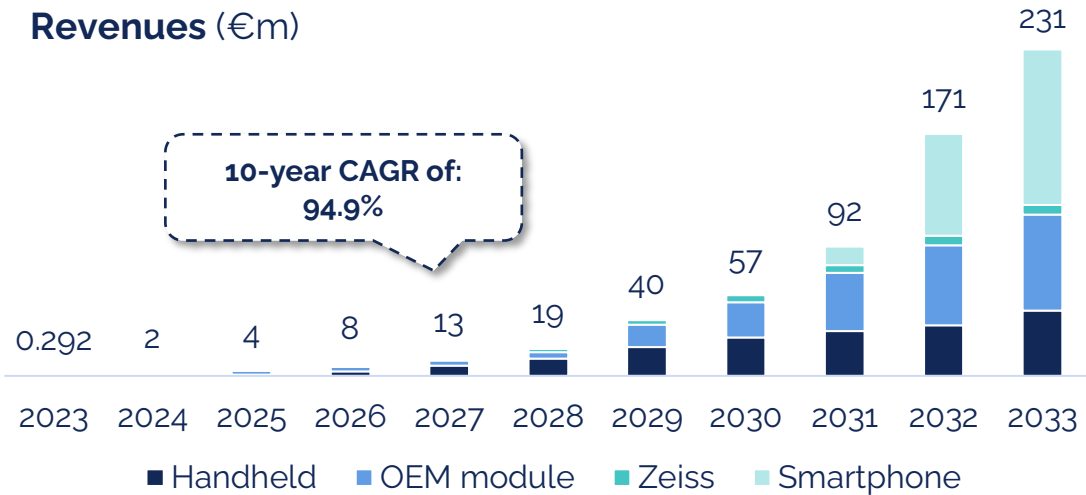
(as of May 1, 2023)



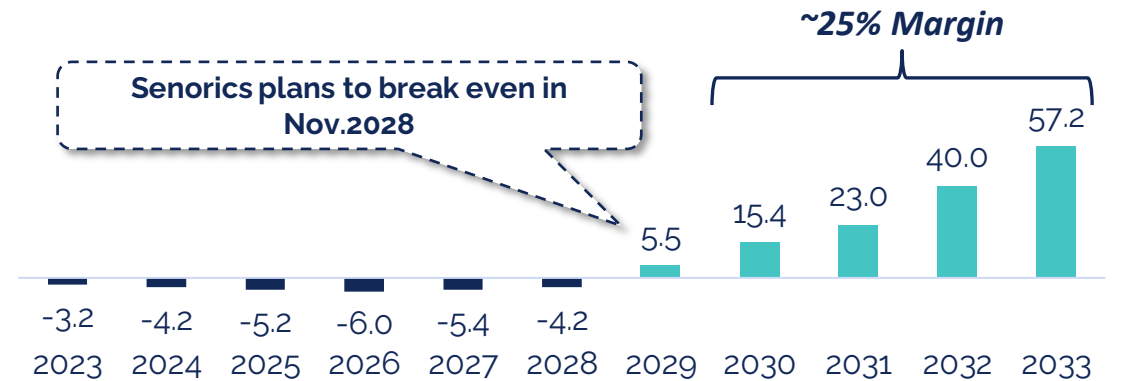
- | | |
|----------------------------------|-----------------------|
| ◉ 13 R&D hardware & data science | ◉ 4 Manufacturing |
| ◉ 5 R&D software | ◉ 3 Sales & Marketing |
| ◉ 5 Administration | ◉ 3 Management |

FINANCIAL PERFORMANCE

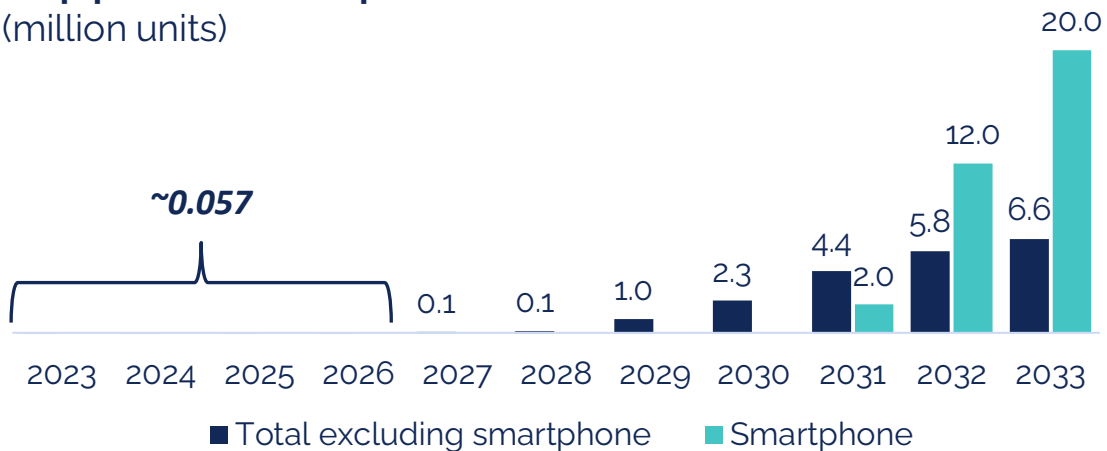
Revenues (€m)



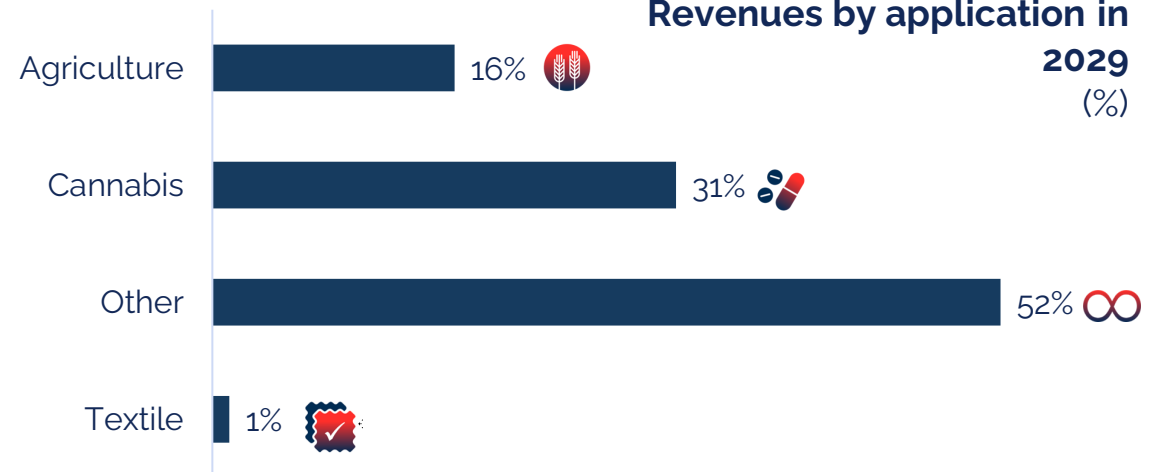
EBITDA (€m)



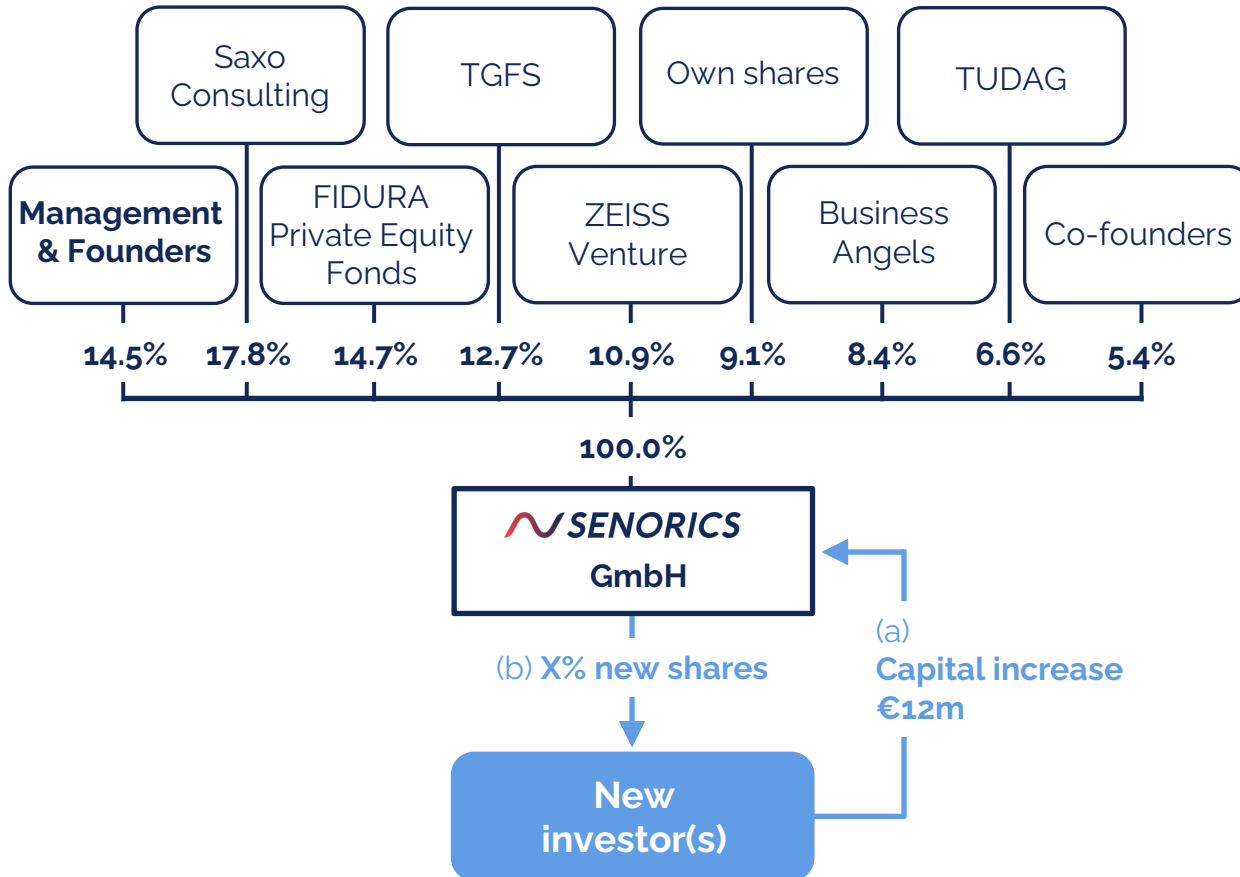
Chip production output (million units)



Revenues by application in 2029 (%)



TRANSACTION STRUCTURE & USE OF FUNDS



Seeking €12m in series A to reach milestones until end of 2025:

- ⦿ Develop and market new handheld solutions for consumer applications
- ⦿ Implement miniaturization roadmap (R&D and production) for sensor, including proof of concept for 3rd scaling
- ⦿ First investment into new production line

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Senorics GmbH

Messering 19
D-01067 Dresden
Germany

www.senorics.com