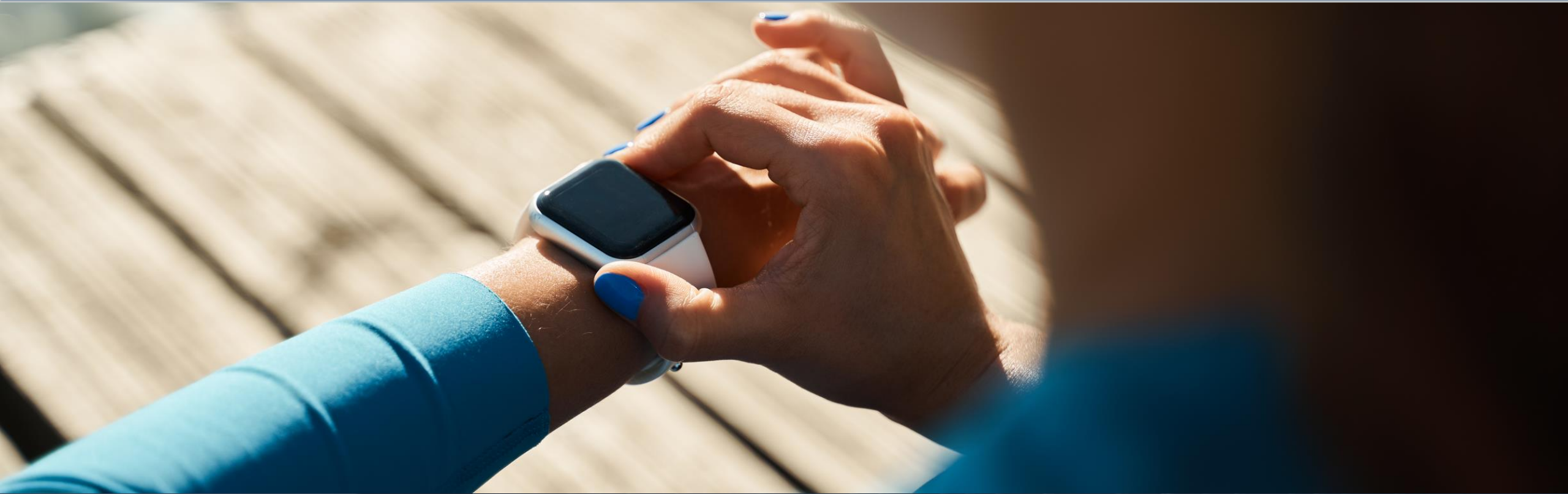


# Lifecare investor presentation

September 2021



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# Content overview



Why invest in Lifecare



Investment highlights



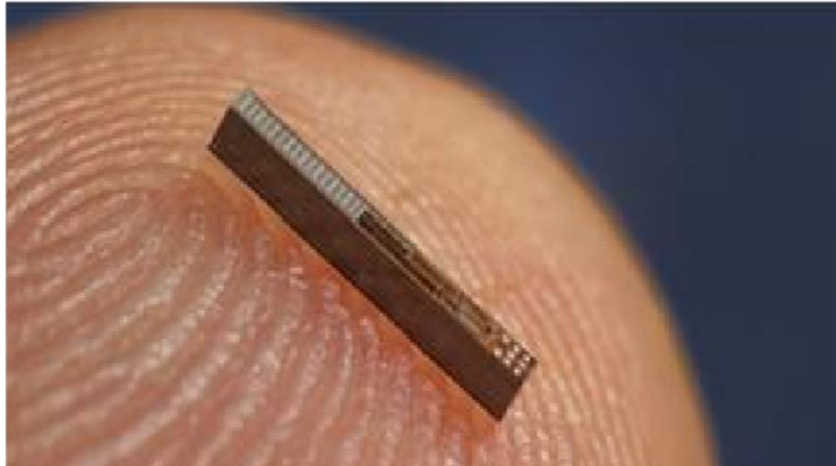
Team

# Why invest in Lifecare?

## *Risk reducing factor*



*Lifecares Sencell is a novel and revolutionary continued glucose monitoring device at the size of a grain of rice. Our proprietary osmotic sensing technology will help people with diabetes to live a normal life with a reduced risk profile.*



## *Diabetes*

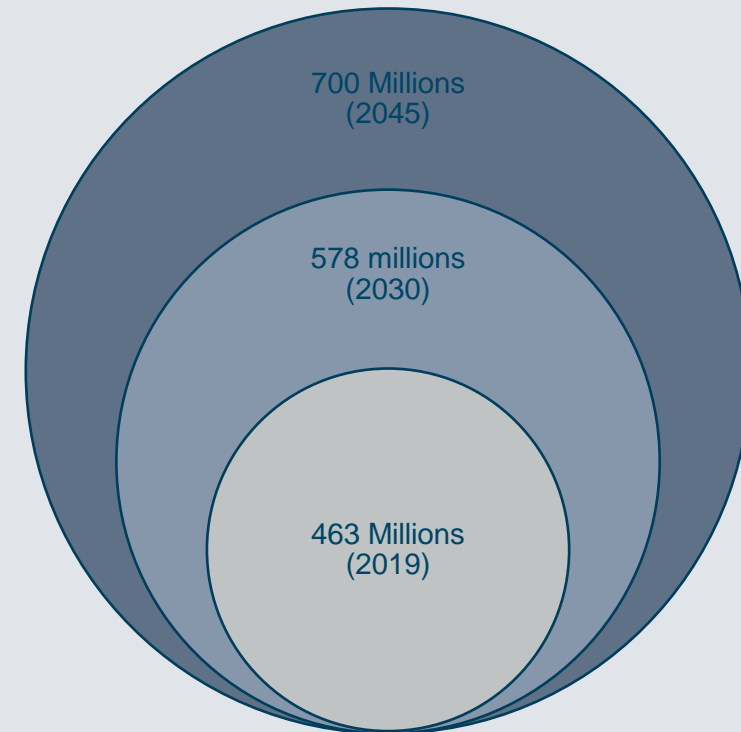
- Chronic disease - occurs either when the pancreas does not produce enough insulin or when the body cannot effectively use the insulin it produces
- 7th leading cause of death by 2030
- Risk of health complications such as heart disease, stroke, blindness, amputation, nephropathy and cardiac failure.

# Diabetes market growing

## Attractive market outlook

- ✓ 10% of global health expenditure is spent on diabetes - USD 760 billion
- ✓ 1 in 2 adults with diabetes are undiagnosed - 232 million people

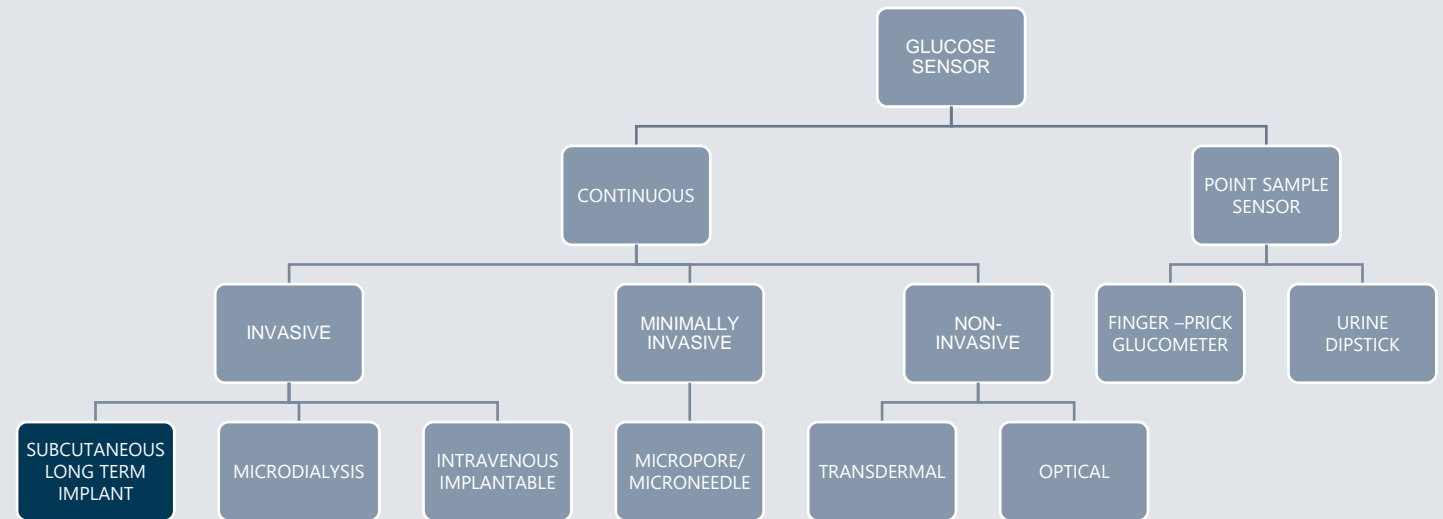
## Number of adults (20-79) living with diabetes



Source: International Diabetes Federation

# Glucose measurement market growing

- *The Continuous Glucose Monitoring market 2019 was \$3.8 billion, estimated CAGR of 26% 2020-2025*
- *The Blood Glucose Meters market 2020 was \$13.7 billion, estimated CAGR of 10% 2020-2025*



Source: [www.marketdataforecast.com](http://www.marketdataforecast.com), [www.mordorintelligence.com](http://www.mordorintelligence.com)

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Why invest in Lifecare



Investment highlights



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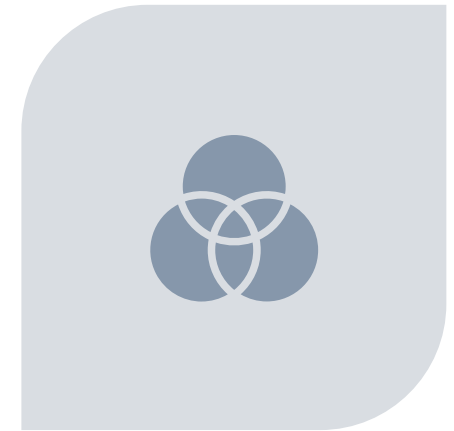
# Investment highlights



*THE OPPORTUNITY TO TAKE  
CONTROL OF YOUR BLOOD  
SUGAR*



*WELL PROTECTED AND  
MATURE TECHNOLOGY*



*MARKET POTENTIAL AS WELL AS  
SYNERGY/PARTNERING  
POTENTIAL*



# Take control – take care



## *Inject and forget*

Long term use and no body worn devices



## *Convenient and simple in use*

Lower cost of care



## *Maintain control*

Actionable data  
Higher sensitivity  
Improved quality of life



# Sencell - a contributor to solve the diabetes pandemic



Accurate

Osmotic pressure correlates  
100% with glucose levels



User friendly

No calibration needed,  
inject and forget



Invisible

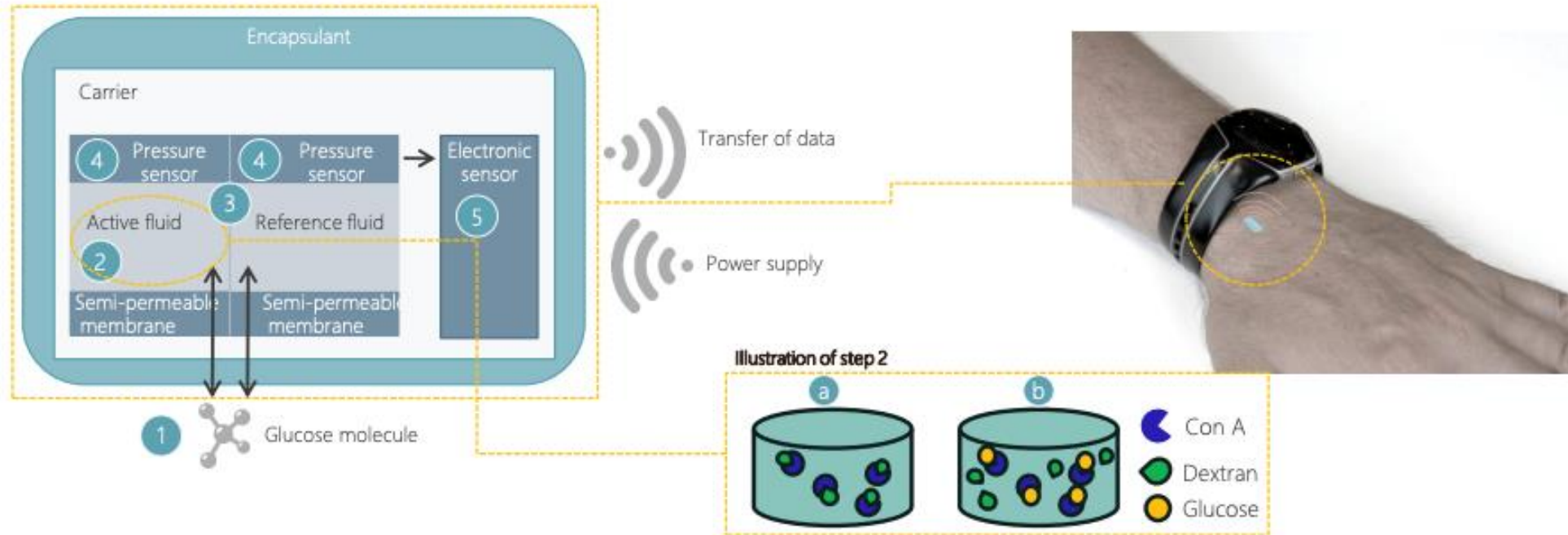
Miniature sensor injected  
under the skin



Continuous measurement

Real time measurement of  
glucose levels through  
osmotic pressure technology

# Technology - accurate and user friendly



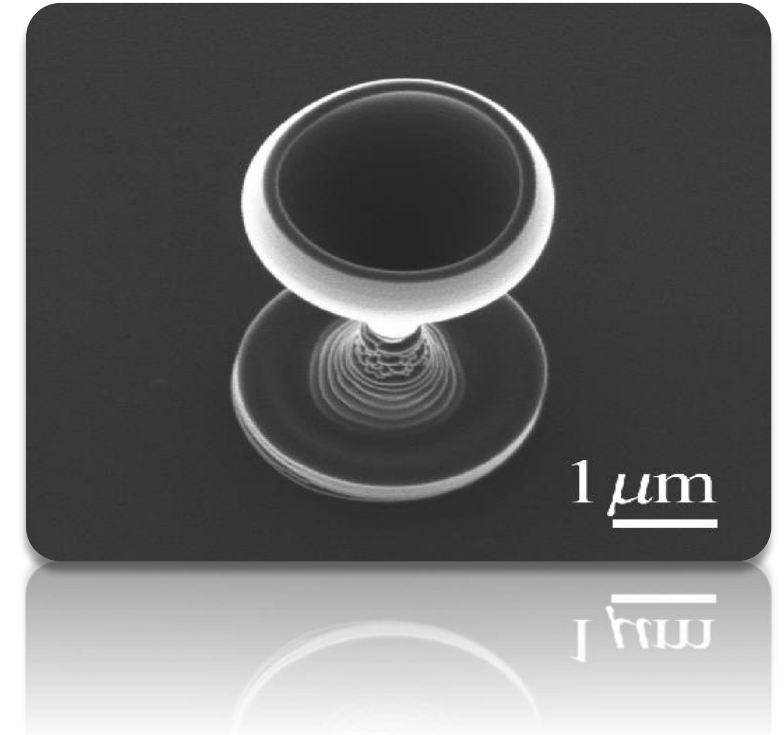
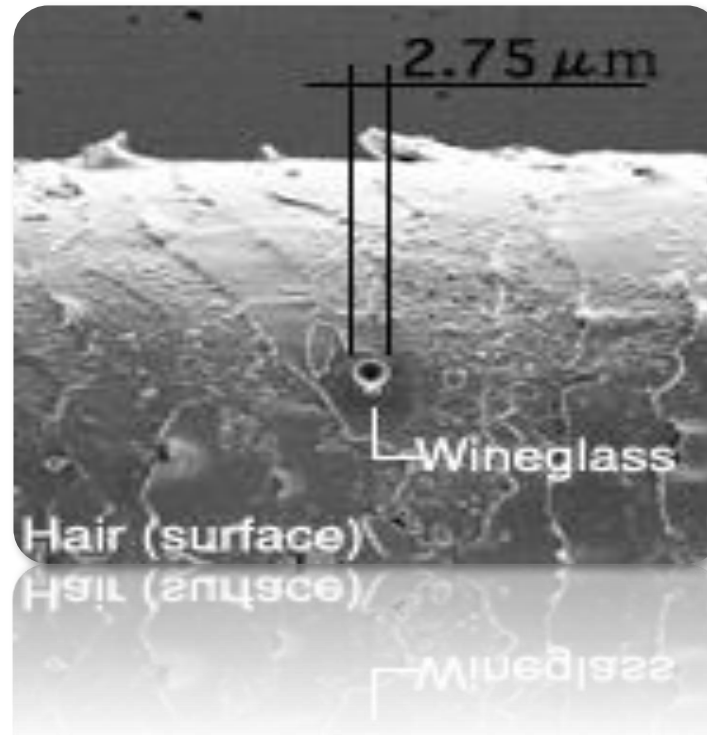
# Technology – invisible

*Enabled by precise nanoscale 3D-printing*

Miniaturization  
Resolution 10nm

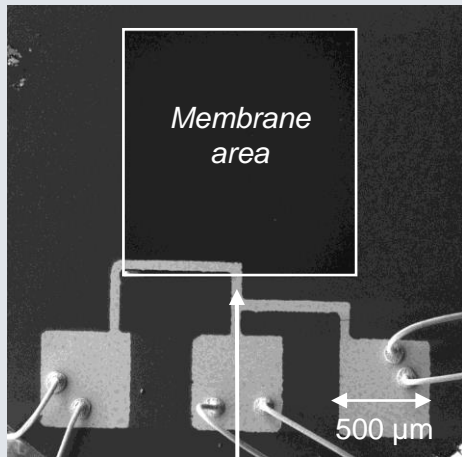
Print on any substrate material

Rapid prototyping within minutes

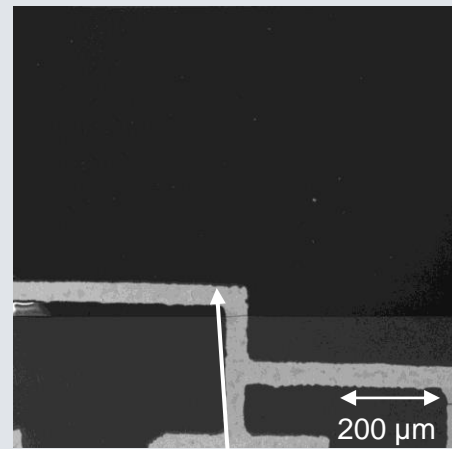


# Technology – accurate and continuous

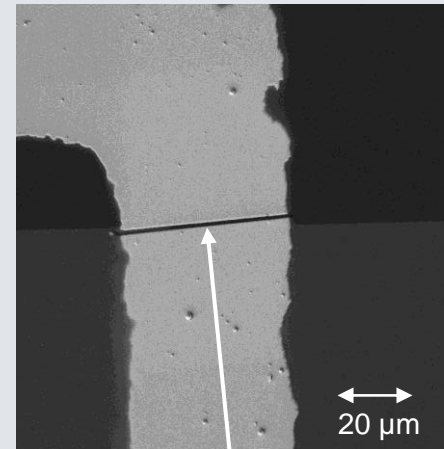
*Overview in electron microscope: Osmotic pressure sensors - sensor element printed to electrode by a controlled 3d nanoprinting process*



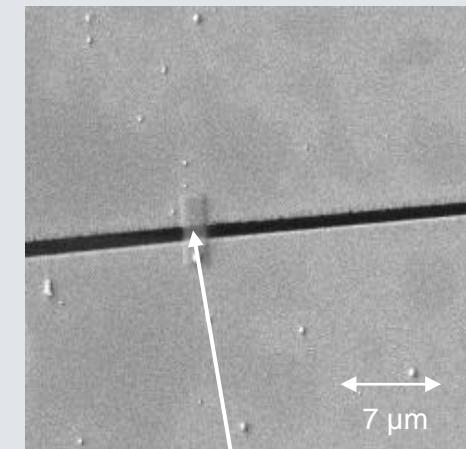
Electrode for nanosensor access below the membrane area



Electrode position at the edge of the membrane area

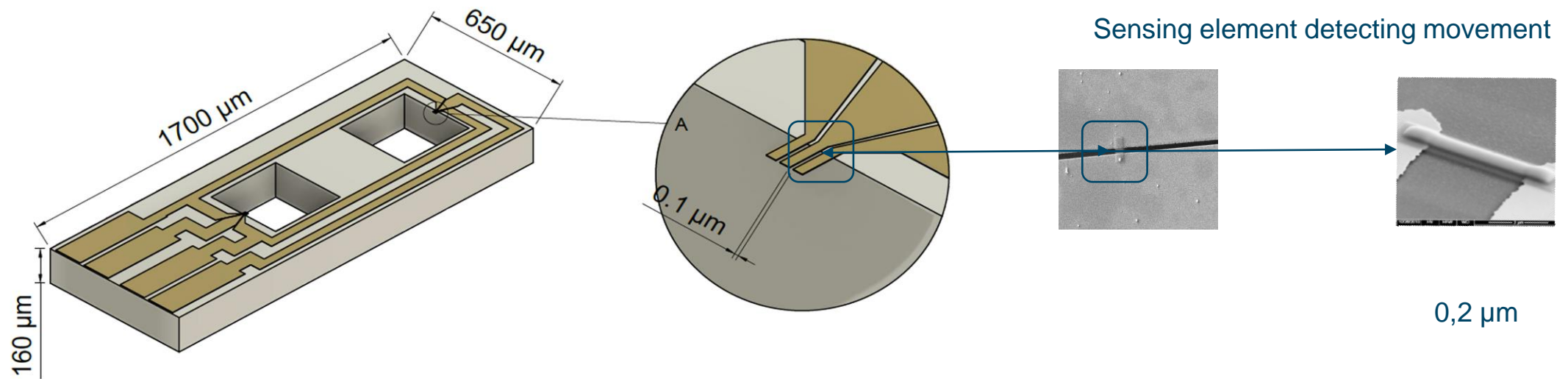


<1  $\mu\text{m}$  gap between electrodes exactly positioned over the membrane edge



3D printed  $4 \times 1 \mu\text{m}^2$  sensing element detecting movement

# Technology – Sencell model



***Small body device containing pressure membrane, active chamber, pressure sensor, microelectronics and wireless communication***

# Core technology well protected by patents

## Double membrane patent

2004-2024

- Composition of membranes
- A pressure sensor with a chamber on each side, where the two chambers have individual semi-permeable membranes
- Valid 2024

## Augmented osmotic pressure patent

2010-2030

- Apparatus for measuring augmented osmotic pressure
- Patent valid 2030
- Approved EPO

## Chemistry

- Active fluid composition and method of production and method of production of active fluid, which can be used in a sensor for measurement of glucose concentrations in fluids
- Pending

## Dual sensor patent

2018-2038

- Implantable sensor with two chambers, each with a pressure sensor
- Valid 2038

# Major milestones

- ✓ In-vitro testing of basic technology: osmotic pressure, chemistry
- ✓ Pre-clinical tests with basic technology: single chamber measurement
- ✓ Pre-Clinical tests with improved technology: dual chamber measurement
- ✓ Miniaturization of sensing element – shrinking the product to a grain of rice



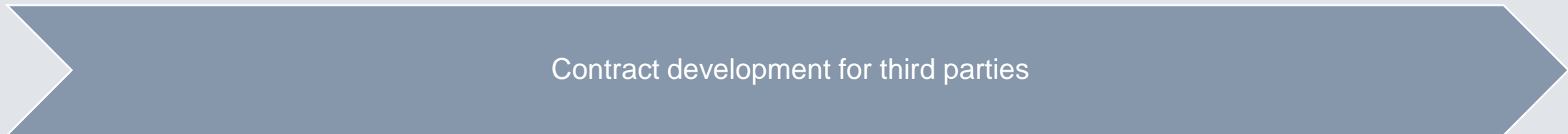
# Value-driven future milestones

## *Initiating product development*

### **Lifecare Sencell**



### **Lifecare Nanobiosensors**



# Lifecare potential



Leveraging Lifecare's validated technology platform for maximum value generation



*Technical development  
Lab acquired by  
Lifecare Sept. 2021*



Aim to accelerate and expand the pipeline



*Chemistry research*



Seek strategic partnerships to complement our strengths



*Artificial pancreas*

# Product development agreement Sanofi



Sanofi-Avenis Group sponsor the development program for miniaturizing the Sencell Glucose sensor with funding of EUR 290.000 based on completion of defined development phases



The Development Agreement is based on a robust evaluation and due diligence process from Sanofi scientists and business department, including a detailed review of the product development plan and the commercial aspects of Lifecare's Sencell Glucose relative to Sanofi's product portfolio and the competitive landscape



Sanofi is entitled to a "first right of refusal" to negotiate an exclusive and worldwide distribution license of Lifecare technology and IP for glucose monitoring. The finalization of pilot study in humans approved by BfArM and planned for H1 2022 is the next phase of the Development Agreement

# FORGETDIABETES - A radically new approach to diabetes treatment



***Lifecare is the selected partner and the only commercial partner in this innovative, international project***



Create a bionic pancreas

Uniquely capable to exploit physiological glucose sensing and hormones delivery route



enabling intraperitoneal insulin delivery

*Optimising glycaemic control*

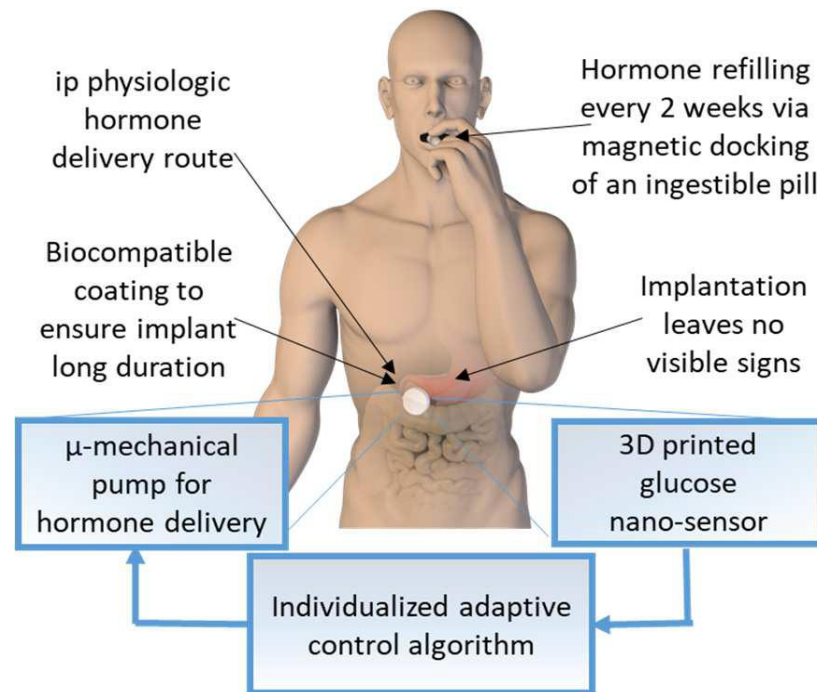


restoring glucose regulation

*Goes for patients with diabetes as well as healthy individuals*

# FORGETDIABETES - A radically new approach to diabetes treatment

[www.forgetdiabetes.eu](http://www.forgetdiabetes.eu)



# Multiple potential products



Pipeline has potentially multiple therapeutic areas



Chemistry giving the opportunity to expand product areas in combination with Sencell



Several patents in preparation

# Content overview



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Investment highlights



Team

# Lifecare highly skilled and experienced team

## *World class expertise in diabetes medicine and technology*



Joacim Holter  
CEO

- LL.M from the University of Bergen, Norway
- Chairman and member of the Lifecare Board of Directors from 2011 to 2020.



Prof. Andreas Pfützner  
CSO

- Professor for internal medicine and laboratory medicine at DTMD University Luxembourg.
- Over 30 years of pharmaceutical and device development experience within diabetes technology.



Prof. David Klonoff  
Scientific Advisory Board  
Chairman

- Clinical professor of Medicine, UCSF, USA.
- Over 35 years of academic and professional experience dedicated to research on diabetes and diabetes technology.



Prof. Lutz Heinemann  
Board of Directors  
Scientific Advisory Board

- Professor at the University of Düsseldorf, Germany.
- Over 30 years of research and device development experience within diabetes technology.



Bo Petersson  
Board of Directors

- Ph.D. in Chemistry, The Technical University of Denmark.
- Over 25 years of work experience in developing diabetes technology products.



