



Intelligent Vision for your Health

High blood sugar levels have caused a diabetes pandemic and the surge of other severe illnesses

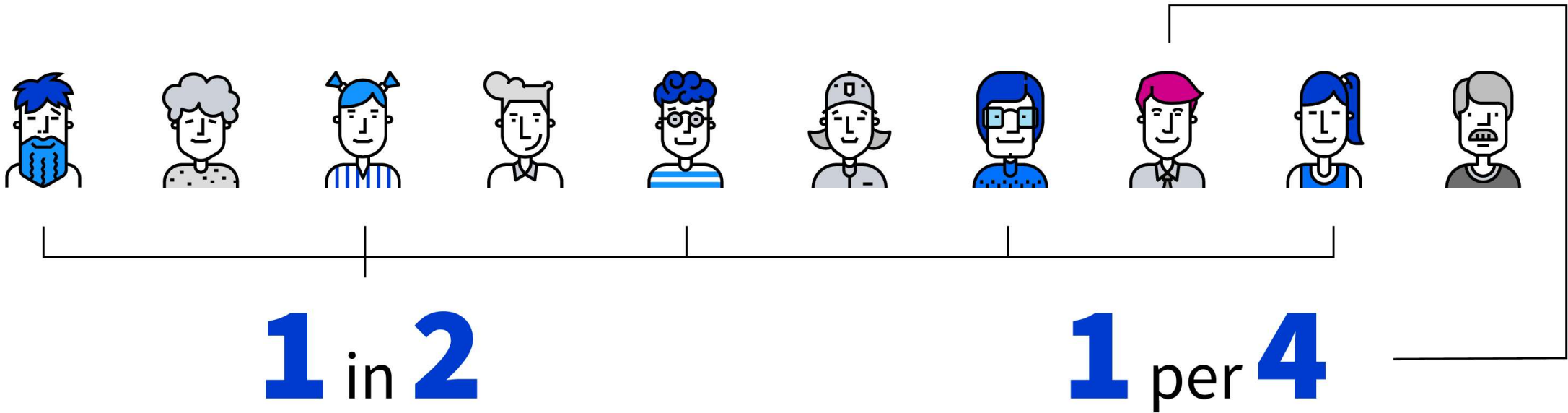


Million Diabetics ¹

643 million projected in 2030
783 million projected in 2045

\$966 billion

Estimated total diabetes related health expenditure in 2021, showing a 316% increase in 15 years ¹



Have glucose related issues

Have glucose related problems and don't know about it - half the world's population ²

every 5 seconds

There is a diabetes related death world wide - that's 6.7 million deaths per year ¹

Undiagnosed diabetics

There is at least 1 undiagnosed diabetic for every 4 diabetics ³

High blood sugar leads to ⁴

- Alzheimers
- Cancer
- Cardiovascular Diseases

Lack of painless and affordable blood glucose measurement tools lead to a diabetic increase

Problem

6 of 10¹

Diabetics don't follow the correct treatment due to pain associated to glucose measurement



Puncture Glucometer

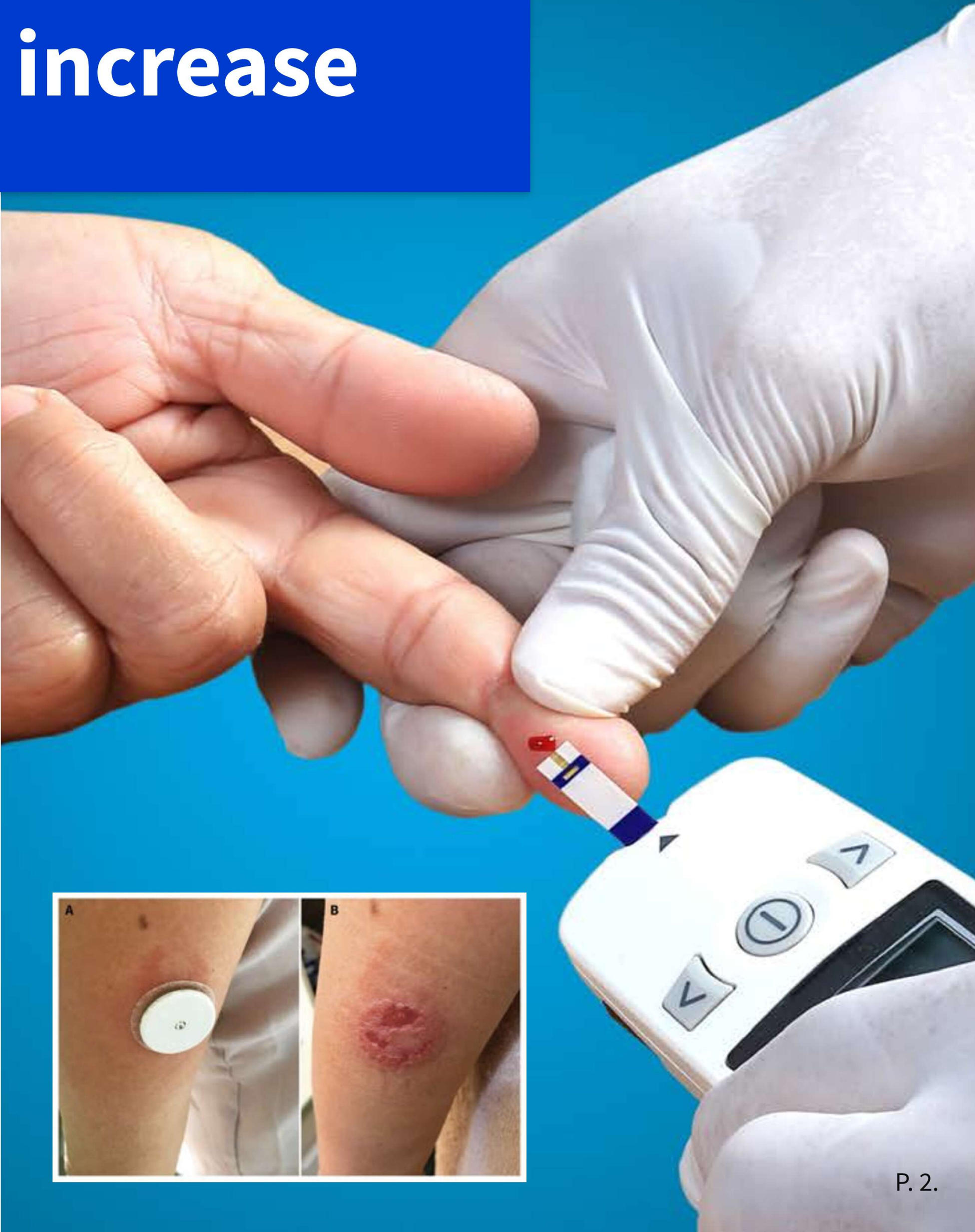


Glucose Monitor (CGM)



Biochemistry Testing

Pain	High	Low	High
Glucose	Capillary	Interstitial Fluid	Central Veins
Time	Instantaneous	Instantaneous & Constant	15 minutes
Cost ²	\$1,400 year	\$4,200 year	\$60 per test
Accuracy ^{3,4}	80 - 85%	80 - 83%	95%



1. Mexican Diabetes Federation

2. GoodRX Health.

3. Philis-Tsimikas A, Chang A, Miller L. Precision, accuracy, and user (...)

4. Luijf YM, Mader JK, (,) Accuracy and reliability of continuous (...)

Non-Invasive device to simply and affordably detect blood glucose with increased accuracy



Aimed towards cross vertical impact, this technology could significantly improve general population wellness, diabetes prevention and eventually diabetes management.

- Wellness** - Healthier lifestyles
- 1 • through simple measurement and accurate biochemical data.
- Prevention** - Preventive traffic light device for organized public and private T2 diabetes prevention campaigns.
- 2 •
- Medical** - Individual and clinical
- 3 • use for Pre-diabetes and Diabetes (T1 & T2) monitoring.

	Market	TAM	Current Management
Wellness	\$1.5 T ¹	+3 B ppl ¹	CGMs (<1%)
Undiagnosed	↑ \$29 B ↓	240 M ppl ³	Lab Test
Pre-diabetics		541 M ppl ³	Puncture & CGM (13.7 - 5.3%)
T1 Diabetics		53 M ppl ³	Puncture & CGM (67.5 - 27.5%)
T2 Diabetics		484 M ppl ³	Puncture & CGM (67.5 - 27.5%)
Health Clinics	\$966 B ³	+500K	Lab Test & Puncture
Governments		+50K dept	Puncture

Product

Bioviit

(V.3.0 - 2023)

Wellness device that measures biomarkers with light aided by a mobile app that provides relevant health recommendations.

Glucose

+ Oxygen
+ Pulse

No more pain

More accuracy (+13% than puncture & CGM)

Lower cost (80% less than puncture & CGM)

No consumables

Characteristics

- **Near Infrared Spectroscopy** (Infrared light used to identify biochemical compounds through overtone).
- **Computer Vision** (Mathematical image transformations and Artificial Intelligence for image processing).
- **Web/App based management platform with API** (Reading results & history, health recommendations, wearable integration).



13 Clinical Trials +3,200 Patients Tested +1,300 People Calibration 93% Accuracy (+13% than puncture/CGM)

Timeline

CONACYT Project
(2017)

CONACYT Protocols
(2017 - 2019)

CENAM Protocol
(2020)

SECTEI Protocols
(2021 - 2023)

Research
for Glucose
detection
using NIR

v.1.0



54 patients
1 Clinical Trial

50 - 65% accuracy

Near Infrared

v.1.1



234 patients
4 Clinical Trials
500 people calibration

65% - 75% accuracy

Image processing

v.2.0



500 patients
6 Clinical Trials
500 people calibration

75% - 90% accuracy

Gaussian Regression

v.3.0



3000 patients
2 Clinical Trials
300 people calibration

90% - 93% accuracy

Neural Networks

Insulin
Cholesterol
Triglycerides

“This technology has shown high reliability when compared to puncture glucometer results. This endeavor is of great importance to Mexico City’s Secretary of Health”

Dra. Lilia Elena Monroy
Director Medical Research
Mexico City’s Secretary of Health

Supported By:



Mexican Council of
Science & Technology



Mexican Institute of Medical
Sciences & Nutrition



Mexican Social
Security Institute



Mexico City's Secretary of
Science & Technology



Mexican Metrology Center

Vision and Goals

Provide painless and affordable testing technology to empower a healthier world

Goals

1. Wellness device that measures biomarkers for health empowerment (global).
2. Become a registered and approved biomedical device for glucose measurement worldwide.
3. Improve the life of diabetic patients and decrease the rise of type 2 diabetes (which is developed through unhealthy lifestyles).
4. Create technology that can also accurately track insulin and other biochemical analytes with the same device, such as cholesterol and triglycerides (fats).
5. Expand our vision technology into disease detection.

 <p>Fernando Gomez CEO</p> <p>Entrepreneur & Social Activist 9 built startups - 2 exits Speaker UN General Assembly Santander X Global Winner</p>	 <p>Gerardo Rioseco CBO</p> <p>Entrepreneur & Biz Dev 9 built startups - 2 exits National Entrepreneurship Award Specialized Finance IEB</p>	 <p>José Cruz y Celis CTO</p> <p>Entrepreneur & AI Engineer 2 built startups - 1 exit B. Sc Sustainable Dev Engineering M Sc. Computer Science</p>	 <p>Dr. Lorena de la Maza CMO</p> <p>Entrepreneur & Microbiologist 5 built startups - 1 exit B. Medical Sciences UNAM M. Microbiology Massachusetts General</p>	 <p>Luis Gómez Sánchez Business Development</p> <p>Entrepreneur & Corporate Lawyer 5 built startups - 1 exit JD & AMP Harvard Business School Citibank, Daimler, Walmart, AT&T, etc.</p>
<p>PhD. Josue Alvarez Borrego Computer Vision</p>	<p>PhD. Esbanyely Garza Electronic Engineer</p>	<p>M.Sc. Esperanza Guerra Computer Science</p>	<p>M.Sc. Luis Manuel Martinez Bionic Engineer</p>	<p>PhD. Luis Adan Jimenez Biophotonics</p>
<p>Rodrigo Cabrera Physical Engineer</p>	<p>Rodrigo Sotero Computer Science</p>	<p>Ady Sanchez Computer System Manager</p>	<p>Dr. Miguel Cruz Cellular Biology</p>	<p>Dr. Antonio Garcia Chemical Engineer</p>

Strategic Partners

 <p>Hardware +500 Engineers USA/MX/EU - Inc 5000 list</p>	 <p>Software +250 Engineers USA/MX - Baxter, Sespec, LiveLong</p>	 <p>Biomedical & Regulation +25 Doctors & Engineers USA - IasoLab, ASU</p>	<p>MATERIAM</p> <p>Manufacturing +200 Employees, +25 years MX - +500 clients</p>	<p>HAMAMATSU</p> <p>Photonic Components +5,400 Engineers, +1.6B sales +100 countries, +15,000 products</p>
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B2C & Subscription

Our business model will contemplate both a B2C and a Subscription structure mainly for wellness use.



1

B2C
Direct Purchase

\$350
USD

Initial Production Cost: \$220 USD
Average Margin over time: 60%

Prevention
Government, NGOs

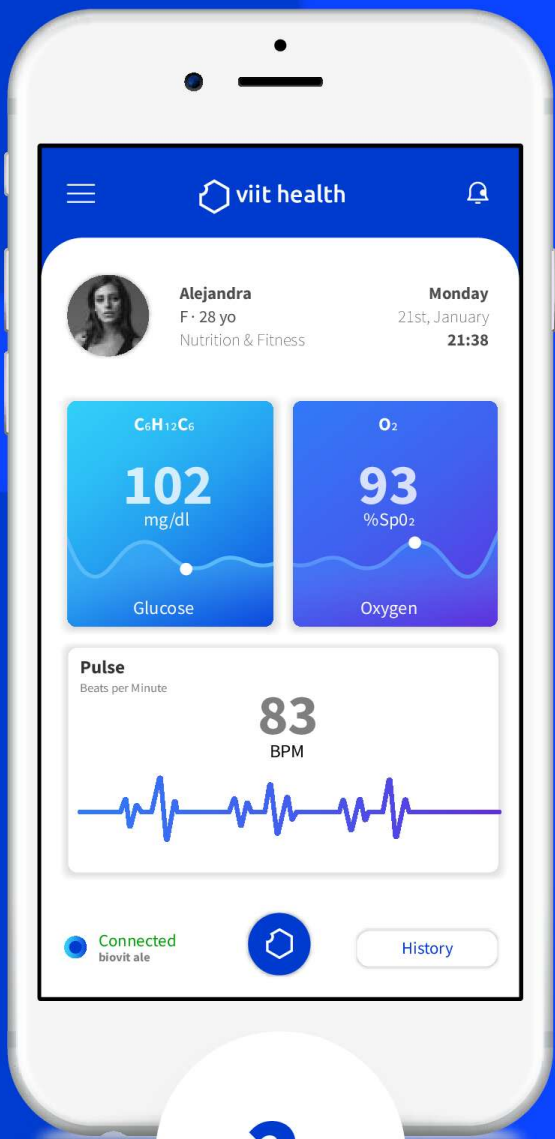
\$500
USD / month

Expected LTV: \$12,000 USD
Expected CAC: \$500 USD

Wellness
Nutrition and Fitness

\$20
USD / month

Expected LTV: \$1,456 USD
Expected CAC: \$83 USD



2

Value Proposition

80% More affordable (Puncture & CGM)

13% More accurate (Puncture & CGM)

No Pain

3 Parameters
Glucose, Oxygen & Pulse

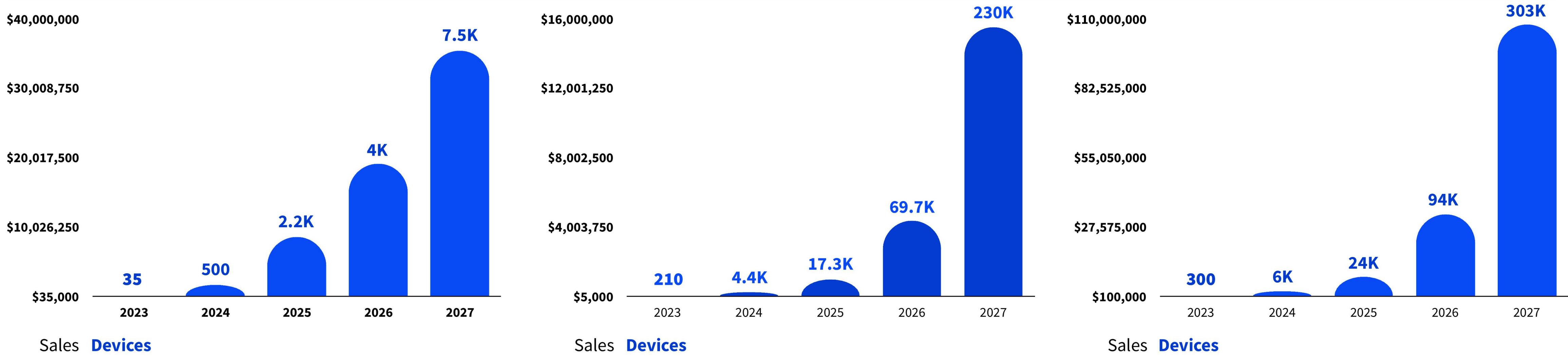
4 Wellness Verticals
Nutrition, Fitness, Energy & Focus

Strategy

Activate campaign with government institutions
Advanced negotiations with Mexico City & IMSS

Social Media campaigns. Fitness & Wellness communities
Wellness influencers MX/US. Fitness communities MX

Massive E-Commerce reach. Healthcare POS in USA/MX
Connection to Walmart Pharmacies & Mexican distribution



Projections

* forward looking projections are not guaranteed

- Revenue
- Production Cost
- Operative Cost



2027 - Devices: 310K / .05% TAM / Profit: \$108M

Roadmap & Strategy

Relevant Milestones

Product

Q1

Q2

Q3

Q4

2023



V.3.0
By February 2023, we will have completed the first iteration of our initial commercial device, which will be ready for production by April, and will be able to measure glucose, oxygen and pulse using a proprietary evaluation software.



Final Calibration
Once we complete the first V. 3.0 units, we will undertake a new Calibration Protocol in the Mexican Nutrition Institute and the General Hospital of Mexico, expected to last 3 months. This will allow us to gather sufficient data for commercial use.



Wellness App
By July 2023, we will complete the MVP of our Wellness App, which will allow our customers to use our devices, and improve their metabolic health.

Commercial Clearance
We expect to be cleared as a wellness device by October 2023.



Business

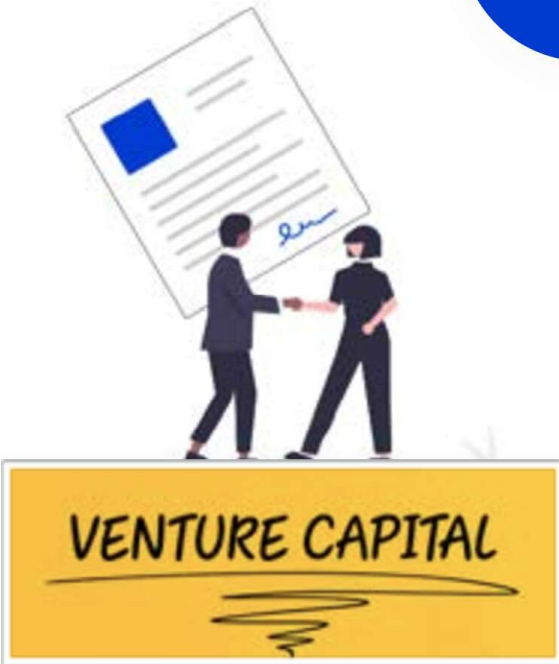
Q1

Q2

Q3

Q4

2023



Seed Round
We expect to complete our Seed Round raise by March 2023 at the latest, which will allow us to complete our initial commercial products, start production and begin commercial operations in Mexico and the US.



Prevention Campaign
During the second quarter of 2023, we must complete all negotiations and logistical preparations that will allow us to carry out a massive prevention campaign with the Mexican Social Security Institute and Mexico City's Government.



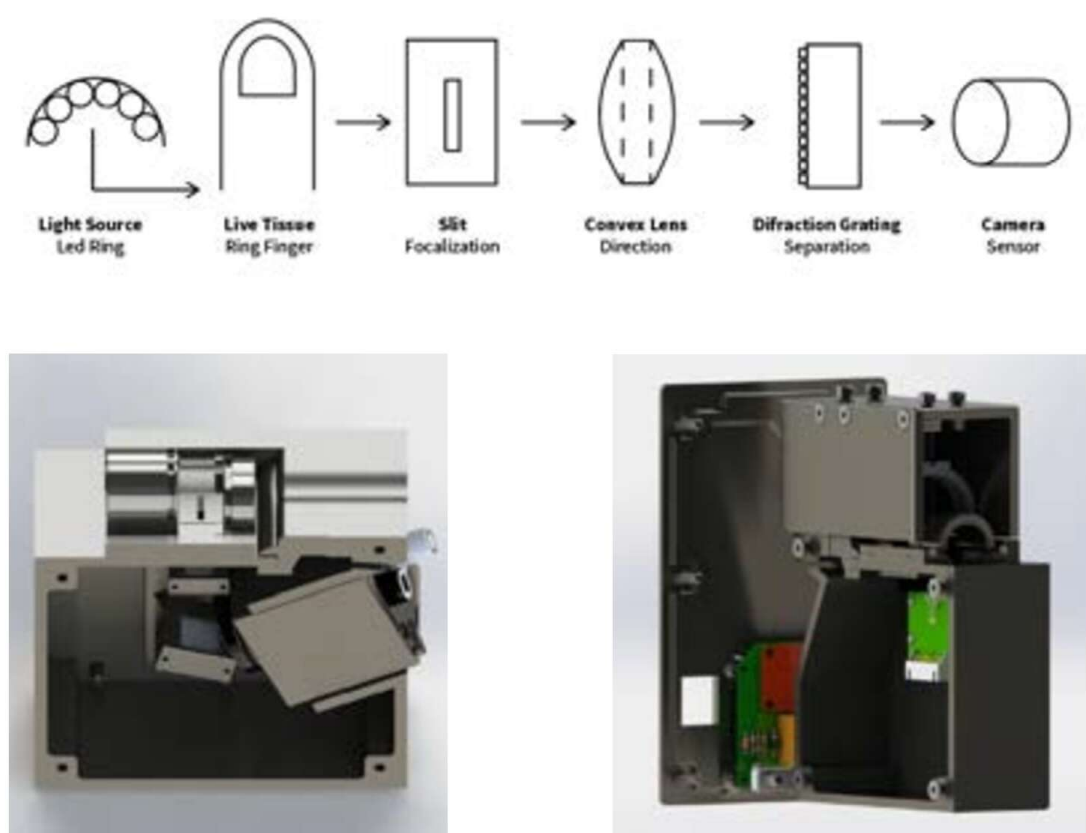
Install Production
We will work with Materiam, lasotek and Arroba Ingeniería to activate a production line for our devices.

Commercial Activation
We aim to distribute our first units for Prevention and Wellness starting Oct 2023.



✓ Completed in 2017

a) Trade Secret



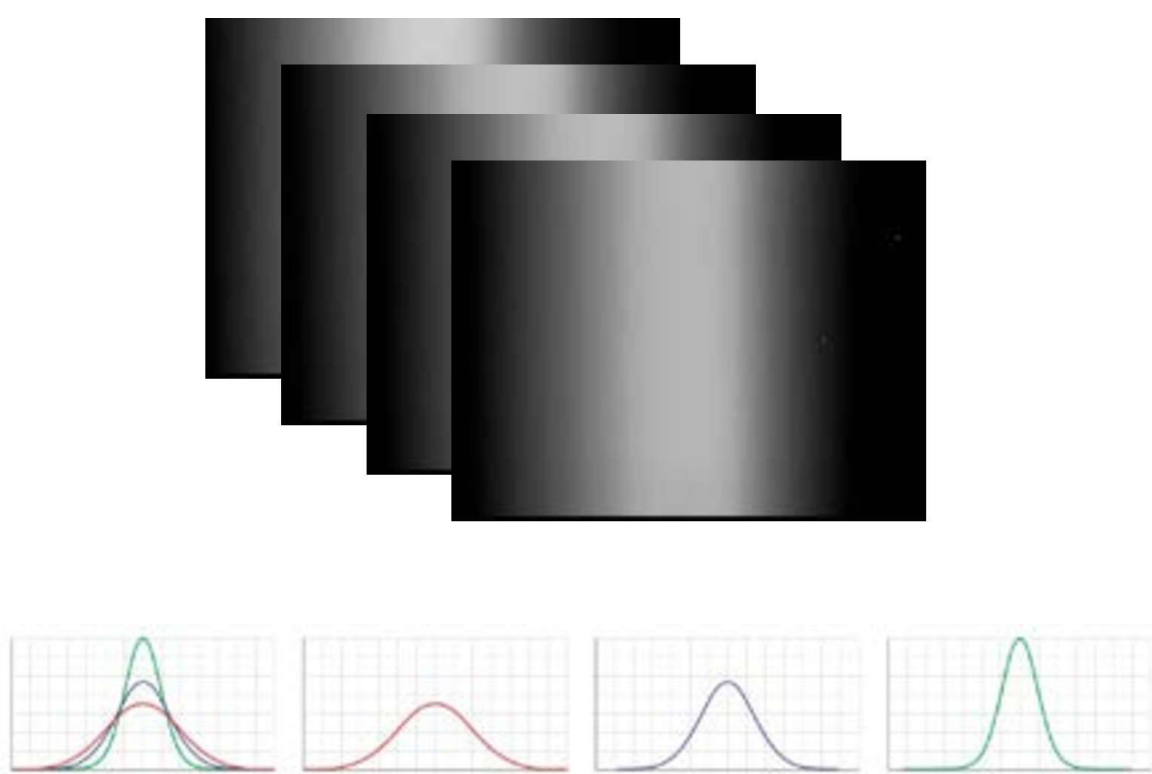
Provider: Baker & Mackenzie
Date: 2017
Extension: Software & Hardware

Hardware	Software
Spectroscope & Optical Technique	Computer Vision Algorithms

Selected protection strategy through technology development phase.

✓ Built & improved for 6 years

b) Proprietary Data Set



Location: Physical & Cloud Server
Date: 2017 - 2022
Extension: +1M NIR Glucose IMG

Wavelength	Variations
600 - 1100 nm	Graphics, vectors & Math transformations

Strongest protection element specific to our hardware & software sensitivity.

... In progress

c) Patent Application



Provider: IP Excel & Gonzalez Calv.
Date: March 2023 (expected 2025)
Extension: Software & Hardware

Detection	Prediction
Spectroscopic Technique	Math Transformations ML Algorithms

Strategic for legal protection. To be filed upon completing our Seed Round.

Competitive Landscape

Glucose monitoring & Glucose Wellness

"Non invasive glucose detection is extremely difficult. It will take hundreds if not billions of dollars to complete"

Terrence Gregg, DexCom

		Universality Multiple use	Affordability vs Puncture/CGM	Accuracy & Simplicity	Regulation Progress	Diversification Other Molecules	Pain Invasive
	Transmittance NIR Spectroscopy. Image Processing. Machine Learning. Device. <i>Works for everyone and is cheap.</i>	5	5	5	4	5	5
	Reflective NIR Spectroscopy. Image Processing. Individual Calibration. Wearable. <i>Individual use.</i>	3	4	5	4	3	5
	Reflective NIR Spectroscopy. Image Processing. Machine Learning. Device. <i>No diversification & not cheap.</i>	5	3	5	4	2	5
	Nanotechnology. Molecule Attraction. Graphene base. Wearable. <i>Individual use & not cheap.</i>	2	3	5	4	3	5
	Dielectric Spectroscopy. Radio Frequency. Machine Learning. Wearable. <i>Individual use & no diversification</i>	2	3	4	4	2	5
	CGM for Metabolic health tracking. <i>Invasive & not cheap</i>	2	2	4	5	2	1
	CGM for Fitness health tracking. <i>Invasive & not cheap</i>	2	2	4	5	2	1



Thank You