



 ORAL3D

3D printing made simple for dentists

GIUSEPPE CRISCENTI, MEDTECH ADVISOR

# STATE OF ART

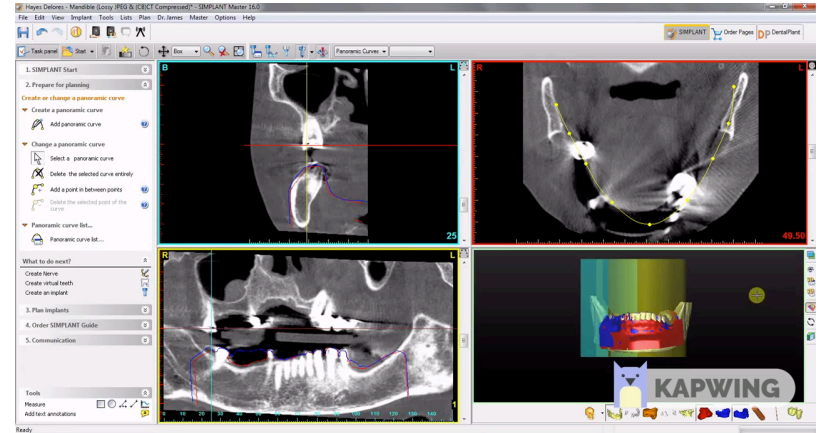
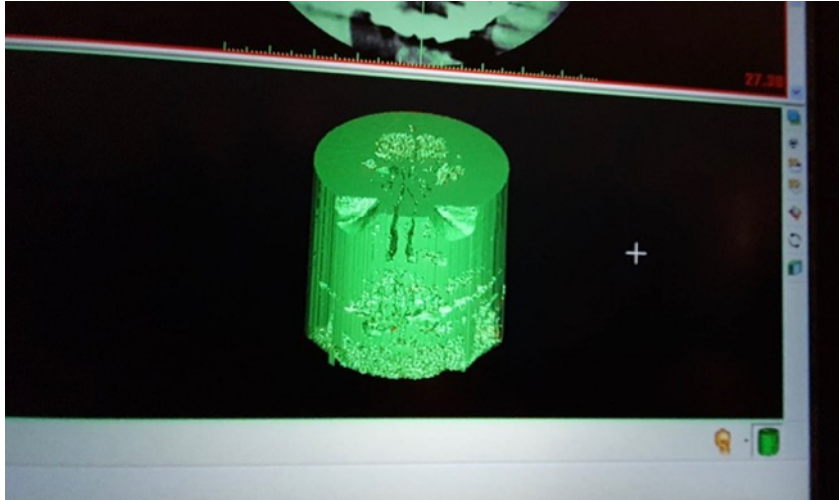
The possibility to create a mockup, a component, or directly a product with AM technologies is of a fundamental importance in the biomedical field.

In particular, **dentistry** is one of the biomedical fields where AM technologies are commonly applied for the creation of **subject specific anatomical models** of the mouth of the patients for **treatment planning**.

The anatomical models of the patients' mouth are considered a **powerful support for the dentists and surgeons**, with advantages including the **reduction of the time of the surgery** (and therefore less discomfort for the patient), **lower probability for error**, **improved communication with the patient**.

However, common dentists/maxillofacial surgeons are not able to create such models in their dental studio because they are not familiar with AM technologies and the software used to create the models.

# STATE OF ART



30-40 minutes of each CT scan...

# STATE OF ART

Between 250 and 700 Euros  
to 3D print one model



# ORAL3D

Oral3D is a **European start-up** which offers a **plug-and-play 3D printing solution** for the **dental sector**. The package has **all it is needed to create 3D printed models of the patients' oral cavity with no effort**.

The Oral3D software and 3D printer **do not require any technical knowledge or training**. It takes just a couple of minutes to process and send to the 3D printer any CT scan, cone beam or intra-oral scan.



# ORAL3D

## Why using Oral3D?

Oral3D models benefit your dental practice and training.



### DENTIST-PATIENT COMMUNICATION

Improved communication with your patient results in better treatment in 85% of the cases



### TREATMENT PLANNING

3D models are an additional tool for treatment planning and rehearsals



### DENTAL TRAINING

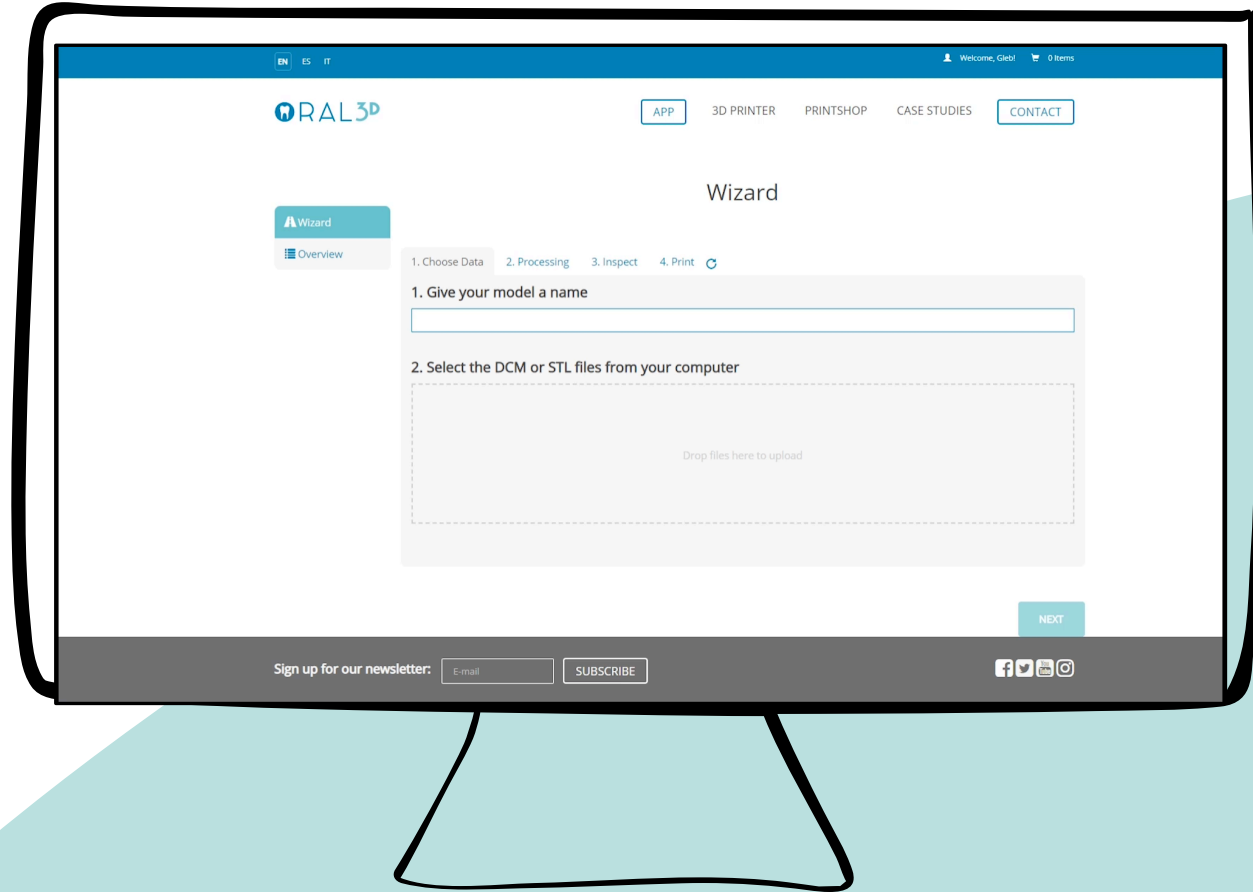
Individual and realistic 3D models broaden the learning in trainings and seminars

# ORAL3D SOFTWARE

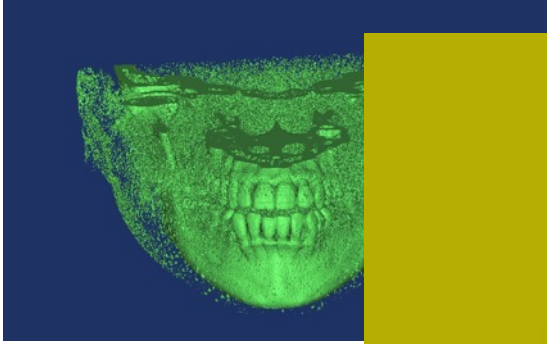
Automatic cloud-based software

Conversion of patient-specific DICOM images from dental CT scans and intra-oral scans into .stl files ready to be 3D printed.

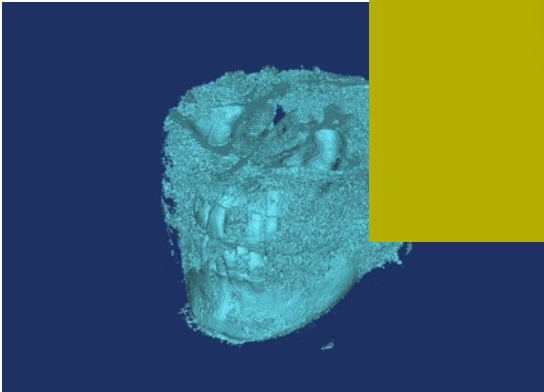
Automatic removal of different types of artifacts using Artificial intelligence (AI).



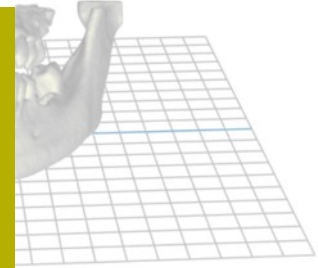
# RESULTS



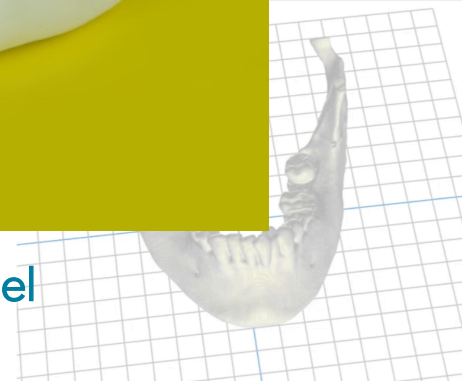
Standard view with



Oral3D printed model



al3D software





# CLINICAL/SURGICAL APPLICATION



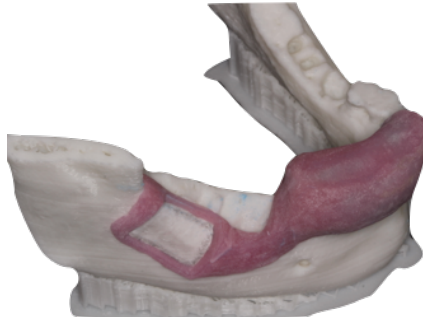
Made-to-measures titanium membranes



Identification area for bone block



Study model for treatment planning



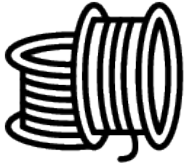
# OUR OFFER



Oral3D printer



Oral3D cloud software



Bio-degradable cartridge

## LAUNCH OFFER

4,990 €



## ADDITIONAL SERVICES

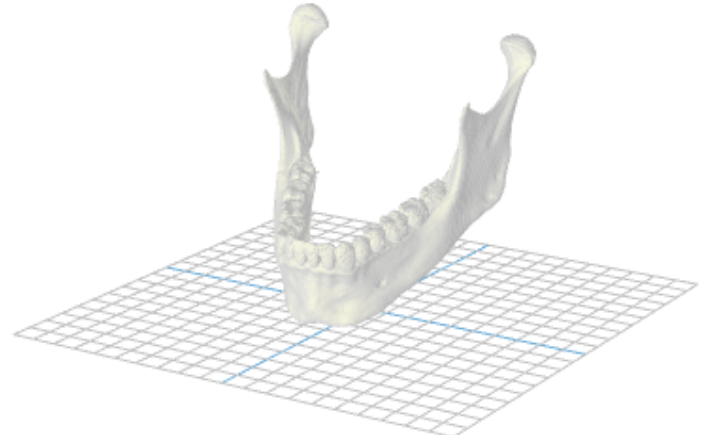
Printshop

150 Euros



DICOM converter

40 Euros



# THE MARKET



› 47,000 Dentists

› 2023 CT scanners

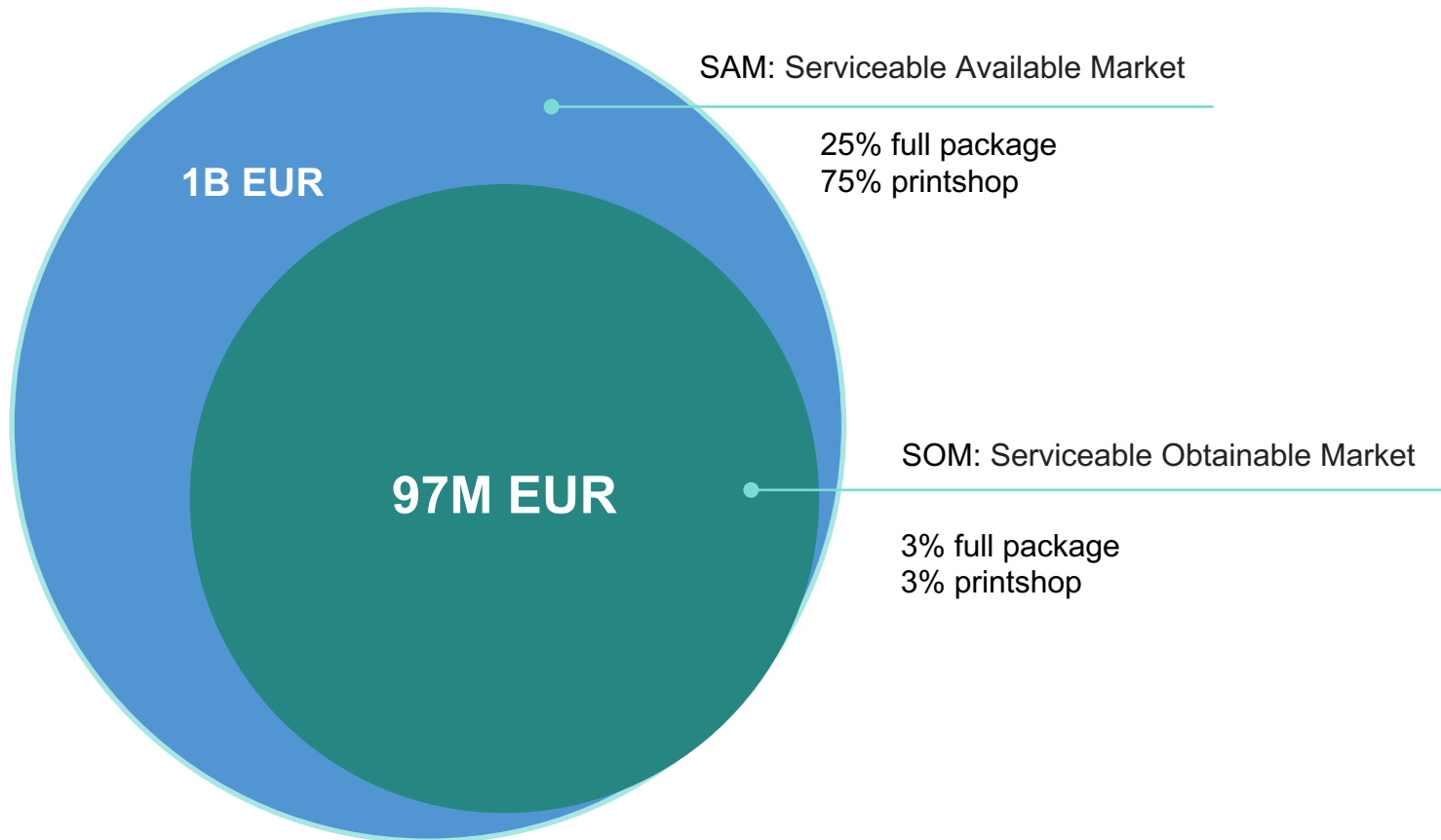
› 5M scans every year

# THE MARKET



> 700,000 Dentists

# MARKET POTENTIAL



# COMPETITOR ANALYSIS

ALL MEDICAL IMAGES



MANUAL

AUTOMATED



ONLY INTRA-ORAL SCANS

# COMPETITOR ANALYSIS

ALL MEDICAL IMAGES



The only solution that is  
integrated and automated for all  
types of medical images

MANUAL

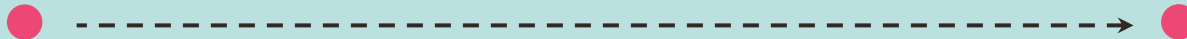
AUTOMATED



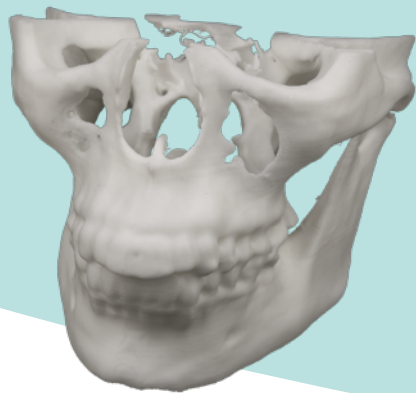
ONLY INTRA-ORAL SCANS



# VISION



No. 1 provider of CT conversions & FDM solutions



No. 1 provider of automated 3D printing solutions



# SALES & MARKETING STRATEGY



Seminars and courses



Direct Marketing



Direct sales agents



Distributors

# SALES

~ 42 K €

25 clients



# VALUE FOR THE CUSTOMER



MONTHLY SAVINGS



MADE-TO-MEASURE TREATMENT



PRECISE AND FAST PLANNING OF THE SURGERY



TIME SAVED DURING THE SURGERY



IMPROVED COMMUNICATION WITH PATIENT

“Plenty of time saved”

“Improved surgical planning”

“Over 20 minutes saved during surgery”

“Better acceptance of the treatment from the  
patience, more satisfaction for me”

# FUNDING NEEDS

€ 500K

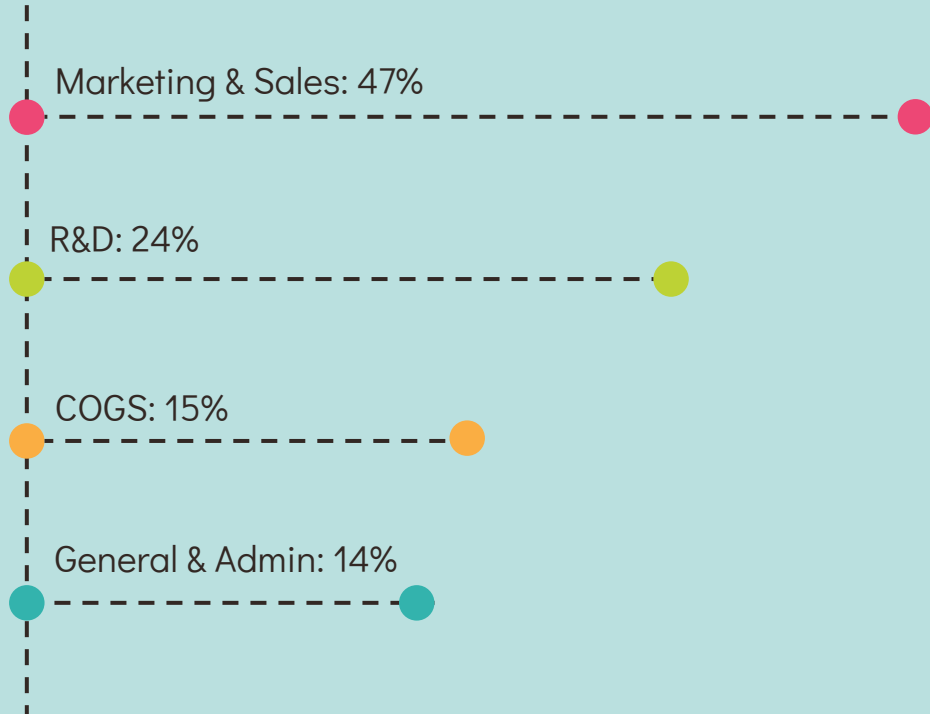
## Use of funds

Marketing & sales

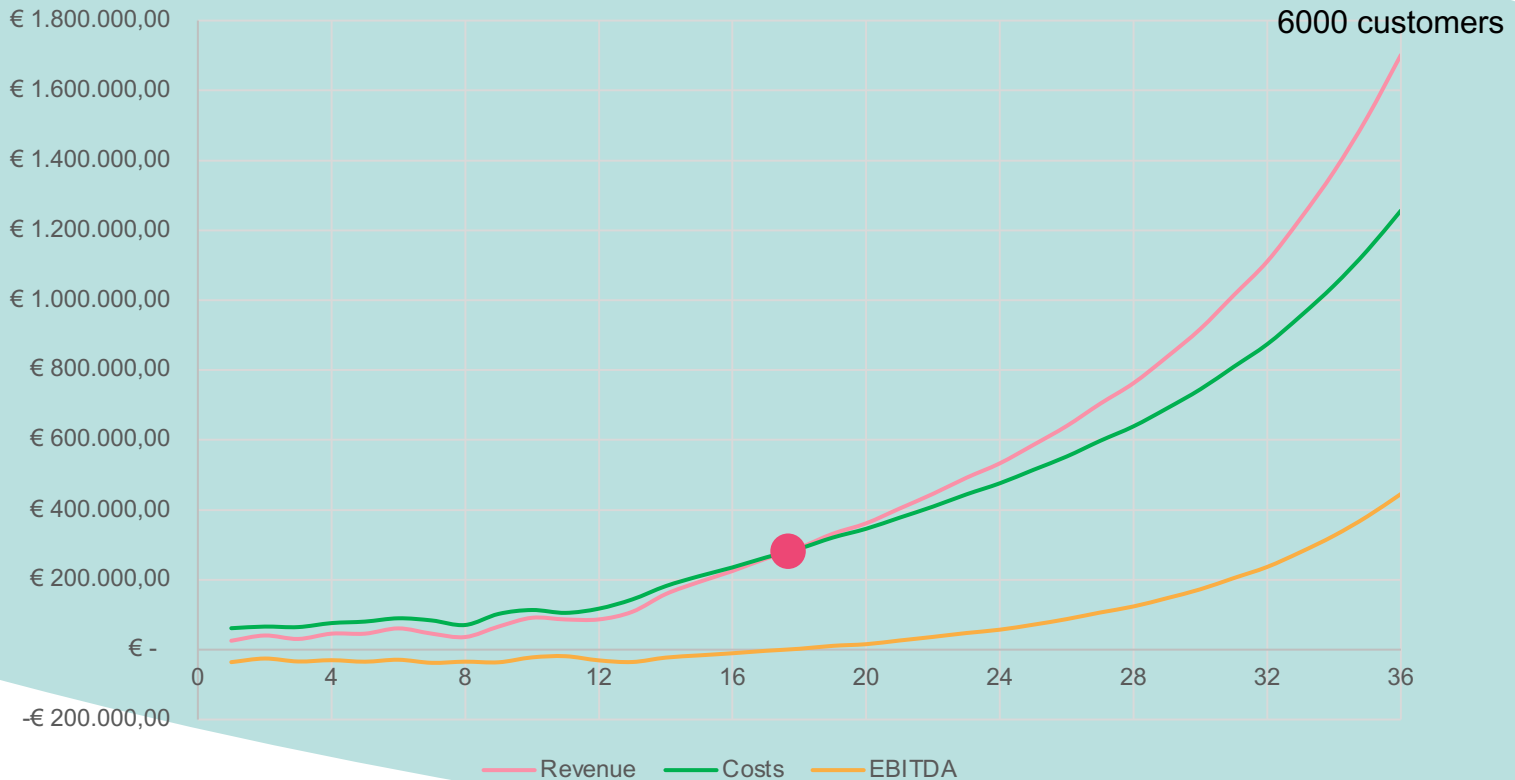
ML integration

Medical Device certification

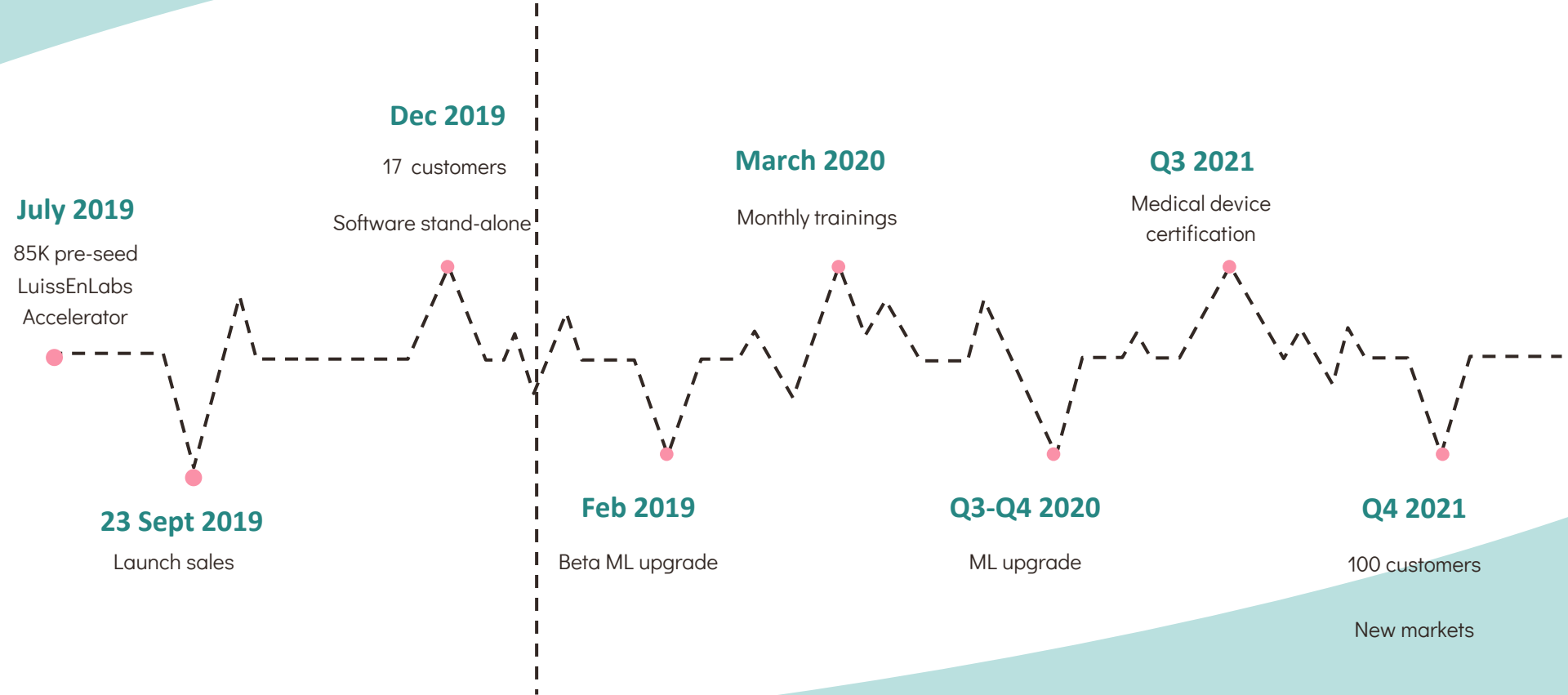
No. 1 provider of CT conversions



# FINANCIAL FORECAST



# ROADMAP



# TEAM

Hans Verhoeven  
**CTO**

Software Developer > 20 Y  
Cloud expert



Giuseppe Cicero  
**Chief Scientist**

Periodonist  
Forbes Under 30  
Dental influencer >40K followers



Martina Ferracane, PhD  
**CEO**

Forbes Under 30  
Founder FabLab Western Sicily  
Privacy specialist



Giuseppe Criscenti, PhD  
**Medical tech Advisor**

Biomedical engineer  
Automatics, Robotics and  
Bioengineering expert



Stijn De Mil  
**Chief Engineering Officer**

Electronics Engineer  
3D printing expert  
Founder FabLab Factory



Gleb Sazenkov  
**Tech Support**





# ADVISORS



**Dominick Leiweke**  
Business Advisor



**Roel Van Holem**  
CEO at MOLECUBES NV



**Dr. Robert A. Horowitz**  
Professor at NYU



**Dirk Loeckx**  
CSO at EPIHUNTER



**Piero Cascone**  
Head of Maxillofacial  
Surgery Unit, La Sapienza

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# UNIVERSITY PARTNERS



**Universidad  
Europea Madrid**  
LAUREATE INTERNATIONAL UNIVERSITIES



**HARVARD**  
School of Dental Medicine



**NYU**



**SAPIENZA**  
UNIVERSITÀ DI ROMA



**Thanks!**

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