



Cleverdoc

Cloud platform to create artificial intelligence for medical imaging

The reality today



- Too many medical examinations **3.6 billions exam per year (world)**
 - Equivalent to **a radiologist reading 1500 books per year.**
- Cost of medical errors **\$750 billions per year (USA)**
 - **1 death out of 10** is related to diagnosis errors

What is the problem ?

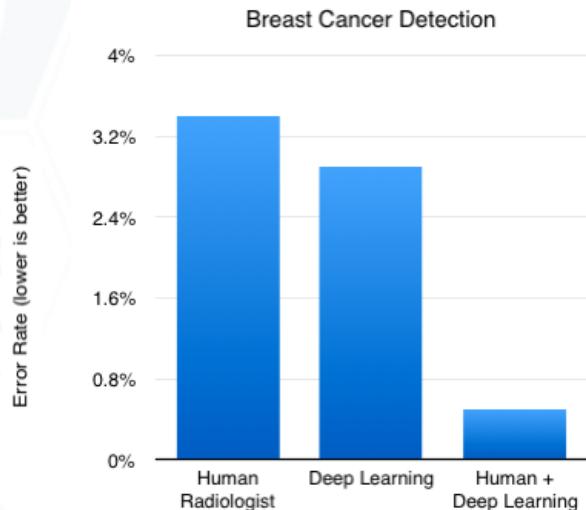
The radiological analysis is still difficult, confusing and there is no simple, efficient, smart decision aid solution for medical imaging !

“Other researchers quantify the human cost of diagnostic errors at between 40,000 and 80,000 deaths per year.”

Miles Varn, M.D., Chief Medical Officer of PinnacleCare

Artificial intelligence can **save lives !**

Ex: The **combination** of a doctor and an AI reduce by 5 times the number of diagnosis errors for breast **cancers**.



What is CLEVERDOC?

- The **most efficient cloud platform** to create diagnostic assistants based on the artificial intelligence.
- **CLEVERDOC** provides the **essential tools** to **digitalise the medical decisions**.
- **Simple and perfectly integrated** solutions in the workflow of the doctor.
- Strict compliance with **privacy** and **anonymisation** rules

The team

Alexis Delemar



Alexis is a radiologist in a medical clinic specialised in sport in Lille. His medical profile gives some medical knowledges and a strong network in the health field to ensure that the created solutions are relevant. He also works as a writer for a magazine called What's up Doc Mag.
He is in charge of medical development at CLEVERDOC.



Sébastien Pouilly

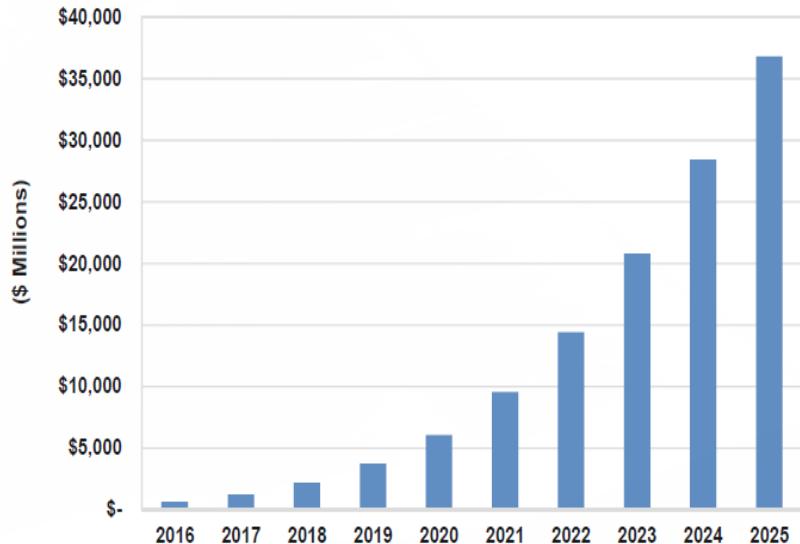
Sébastien is a 24 years-old entrepreneur specialised in artificial intelligence and in research and development . Engineer graduated from **EPITECH**, freelance in data sciences with several successful experience in various fields (marketing, logistics, distribution ...). He is co-founder of CLEVERDOC , and now in charge of technical development.

What is the market ?



- The market of **artificial intelligence** is **growing**
- The part for the medical imaging is estimated at **\$3 billions** in **2021**

Artificial Intelligence Revenue, World Markets: 2016-2025



(Source: Tractica)

Who are our customers ?



- Hospitals (**+800** in France)
- Medical clinics (**+ 1000** in France)
- Independent radiologists (**+8000** in France)
- Research centres (INRIA, INSERM)

First customer already
contracted in September
2018



What is the business model ?

CLEVERDOC offers **services for diagnostic assistance** to hospitals hosted in the **cloud** based on the artificial intelligence



Yearly subscription (average basket €20K)



Sorting, Classifications, Measuring, Outlining, Detecting...

CLEVERDOC, what advantages for the doctor ?



- **Faster analysis**
 - **1 second** for the machine VS **15 minutes** for a human
- **More reliable**
 - Artificial intelligence + Radiologist > Radiologist
- **Less expensive**
 - **Less than €1** VS **€300 in average** for a MRI scan in Europe

Who are the competitors ?

The competitiveness proves here that there is **a market** which is promising for AI imaging.

We have some **differentiating factors** compared to the other companies.

	Zebra Medical	Therapixel	Aidance	Cleverdoc
Capitalisation > \$1 Million	X	X	X	
Integrated solution to create the algorithm				X
Several specialities	X			X
Founder is a radiologist			X	X
Europe		X		X

They support us !

Programme INCEPTION



Incubation



Programme Digital LaunchPad

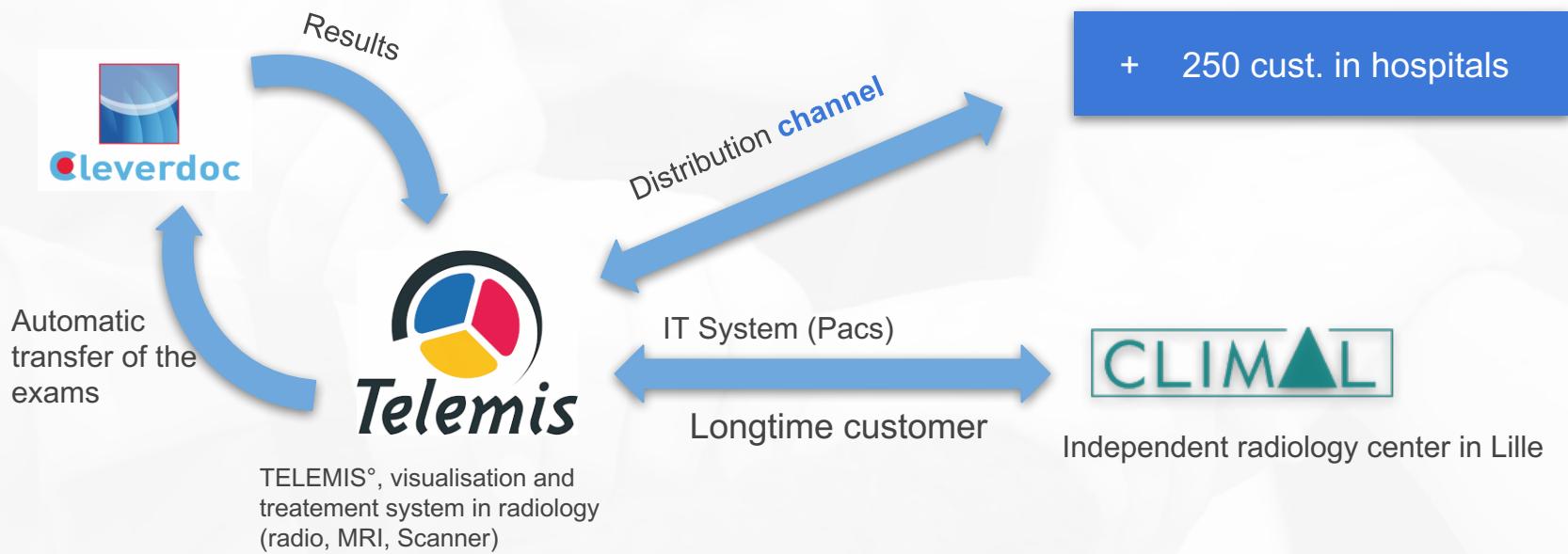


Prix BFM



They already trust us !

CLEVERDOC is already implemented on a radiology system, fully integrated in **TELEMIS°**

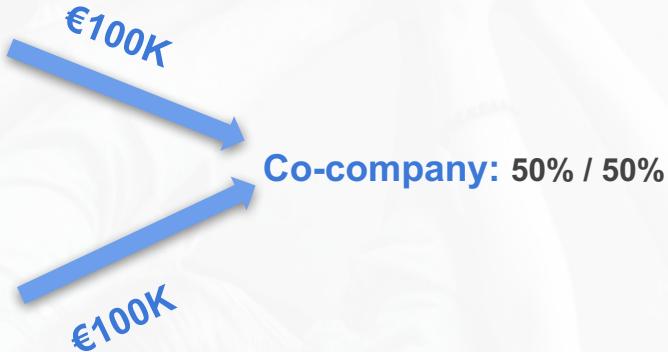


Co-company project



CTM, tele-radiology company, allow us **to speed our expansion up** and to access more easily potential customers in hospital while we share with them **our skills in artificial intelligence** and our knowledges of the ecosystem.

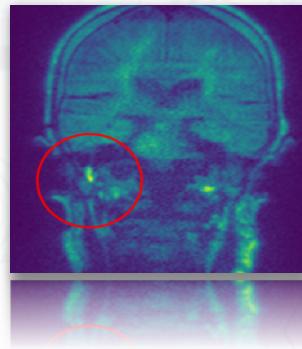
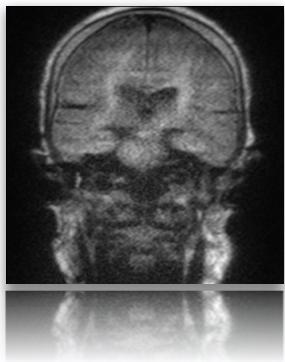
(Negotiating the agreement at the moment)



Acceleration of our business and technical development

- Data
- Infrastructures
- Customers
- Business power
- Algorithm

In practice ?



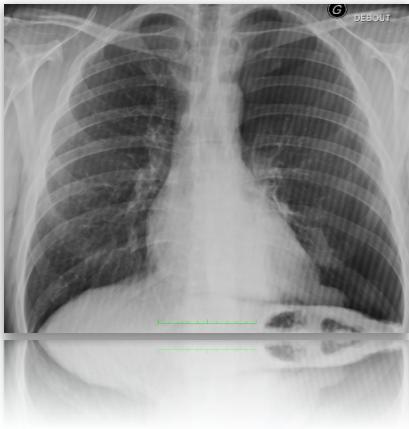
Automatic detection of recurrence of brain tumor in MRI

- **Ergonomic**, integrated in TELEMIS (tested in CLIMAL)
- **Easy** to use : automatic reports

Common project (Dr SIMON, ENT-Pediatrics)



In practice ?



Worklist

Examens	Séries
dernière	
ID du patient	ID de l'examen
[Tout]	[Tout]
L221633	33.195219
33.289424	33.192365
L226826	33.199049
Mo...	MR
2016-11-16	
2016-11-02	
2016-12-03	

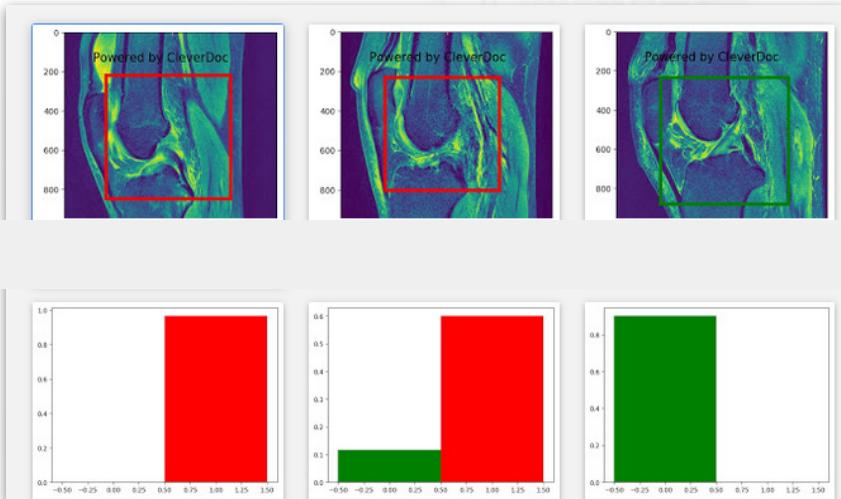
- Pre-diagnosis of lung radiographs
- Potentially **cancerous nodules**, infections...

CLEVERDOC **sort** the radiographs to process the **emergency cases in priority**



In practice ?

Knee MRI: cruciate ligament analysis



The quantitative imaging of CLEVERDOC increase the diagnostic confidence and favorise second opinions.

Diagnostic confidence score: 100% / 80% / 100%

What investment strategy ?



€1 Million for :

Creation of marketing
and **business power**

Finalisation and evolution of
AI cloud platform



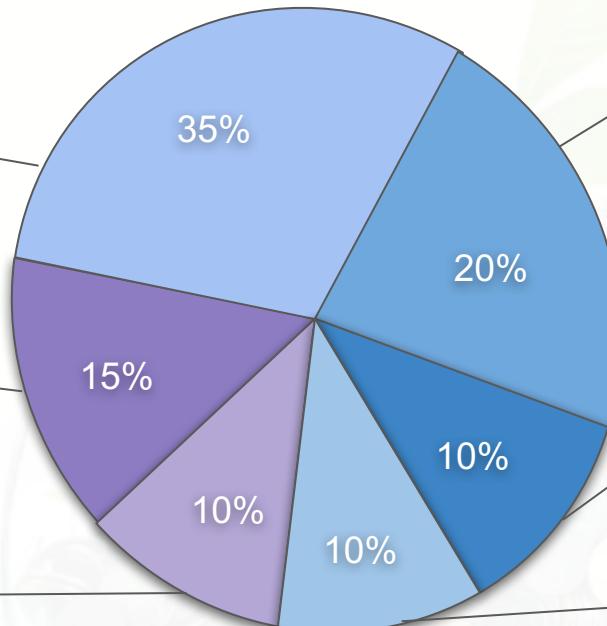
Recruit data scientists
for a “DATALAB”-like
team

Medical R&D: Nuclear
medicine,
Anatomopathology...

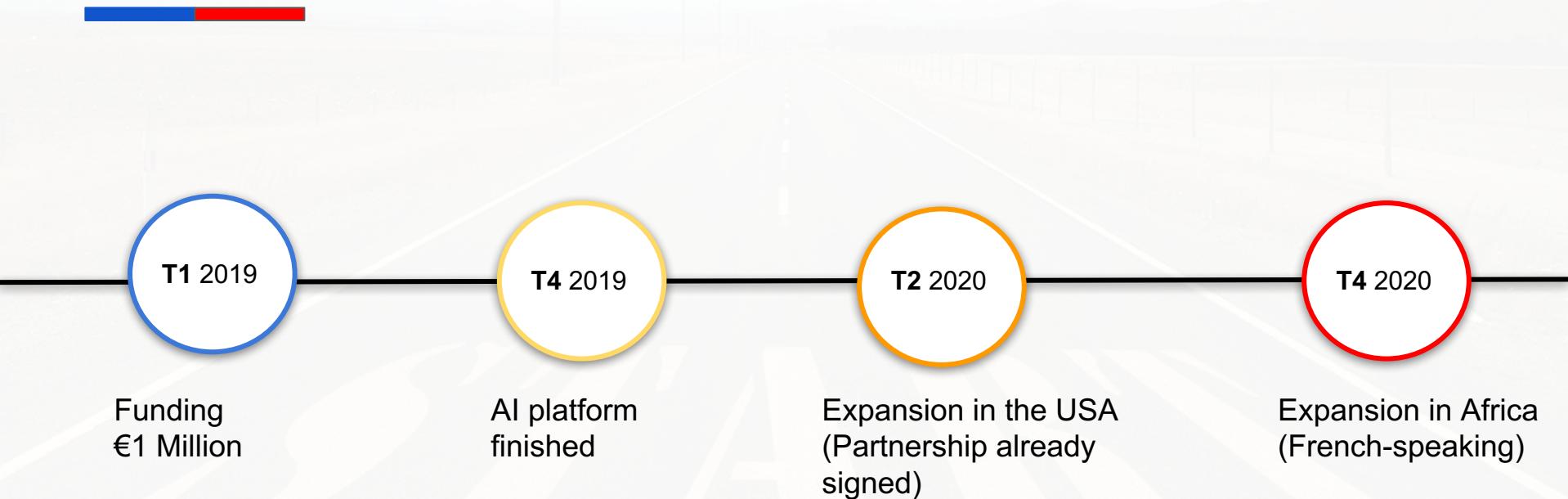


Customer services
and service quality
of the **SaaS**

Co-company CTM



What is next ?



Our objectives



€20 Millions for T1 2021

T1 2021

**€2 Millions/year
100 customers turnover**

T4 2019

First test customer already contracted in september 2018

Average basket : **€20,000 per year per cust.**

Summary



The medical AI market is growing



CLEVERDOC wants to be a key actor of the medical transformation with the artificial intelligence



An ambitious and complementary team



We are looking for €1 Million to industrialise
CLEVERDOC





Cleverdoc

THE solution for medical decision aids supported by the artificial intelligence !