



BRIAN

Deep Learning Diagnostics for MRI

LOOKING FOR CO-FOUNDERS AND PARTNERS

The Problem

IMPROVING THE DETECTION OF DISEASES



Diagnostic Mistakes



Time and Cost of analysis



Gap with current Technology



Non-Analysed data from Research



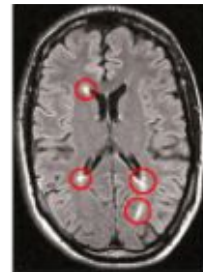
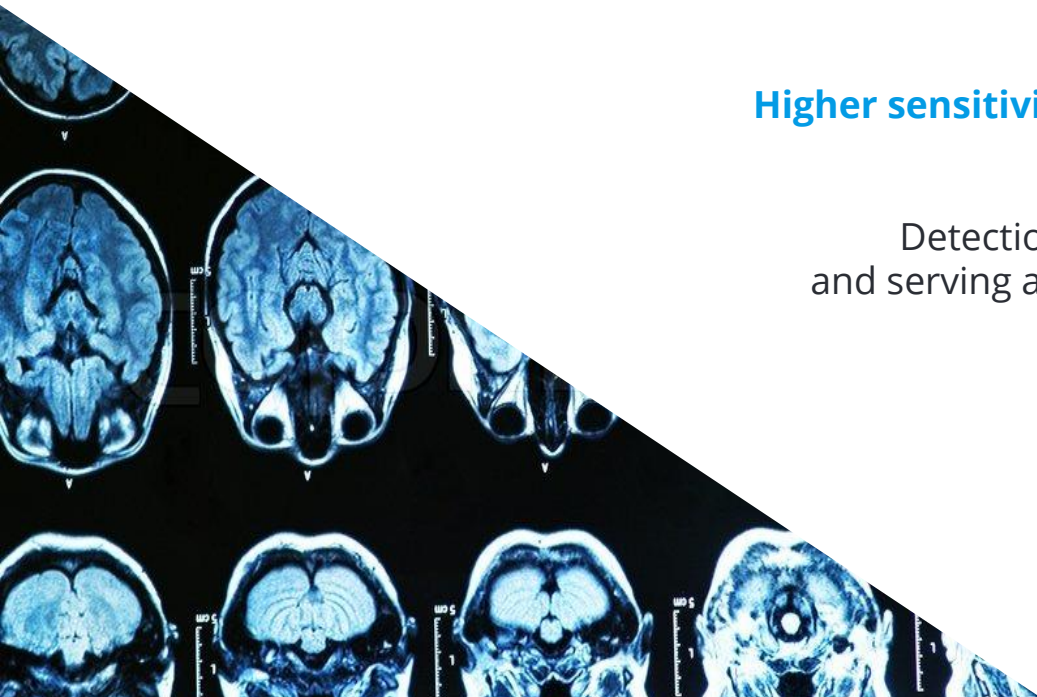
AI-Powered Second-Reader

AND THE FUTURE OF AI-POWERED DIAGNOSTIC

Screening tool for finding gross abnormalities in structural MR images

Higher sensitivity and objectivity with simultaneous reduction of time and costs

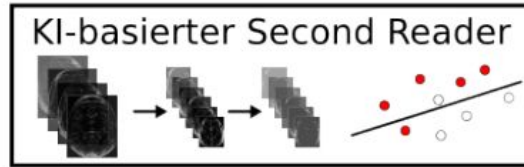
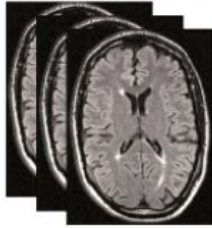
Detection of **incidental findings** in research and serving as **second opinion** in clinical facilities



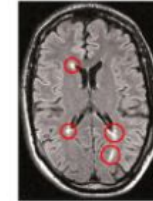
AI-Powered Second-Reader

AND THE FUTURE OF AI-POWERED DIAGNOSTIC

MRT einer Person



Befund



Läsionen: 98 %

Machine learning algorithms trained to detect anomalies



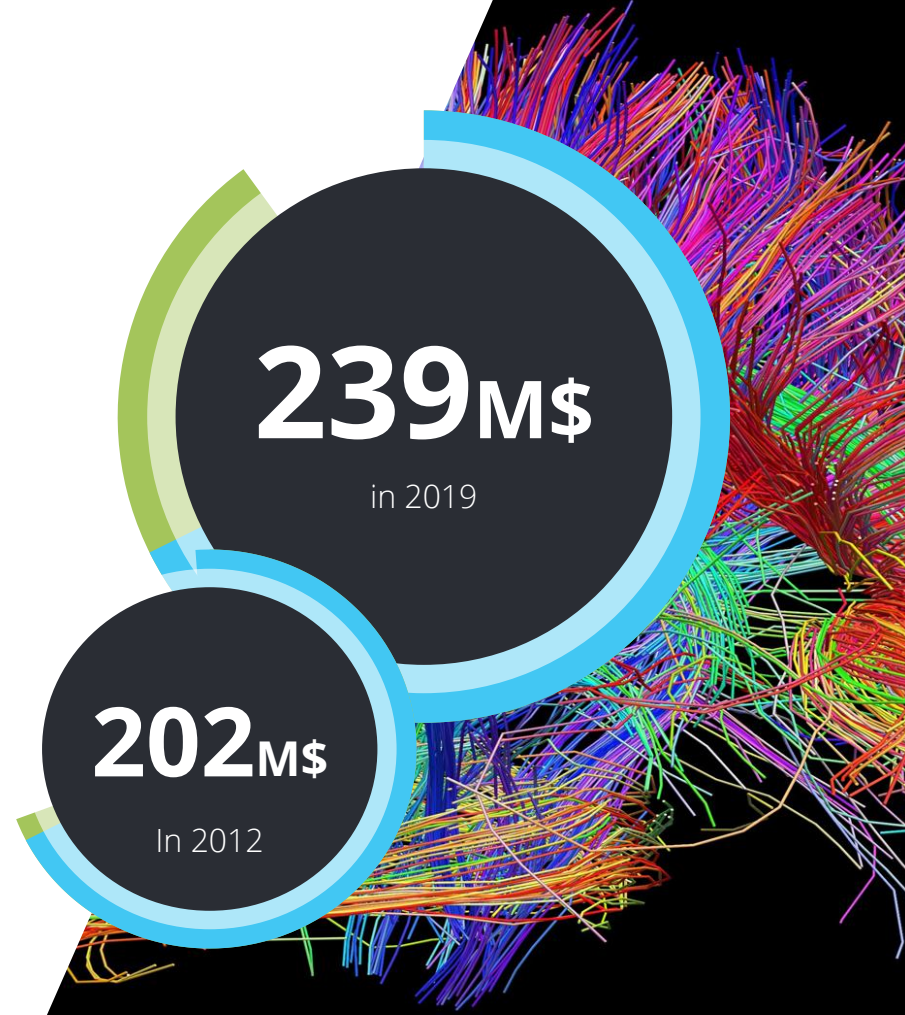
Market analysis

Customer segmentation

- Radiologists and medical diagnosis
- Medical Research and Development

Market size

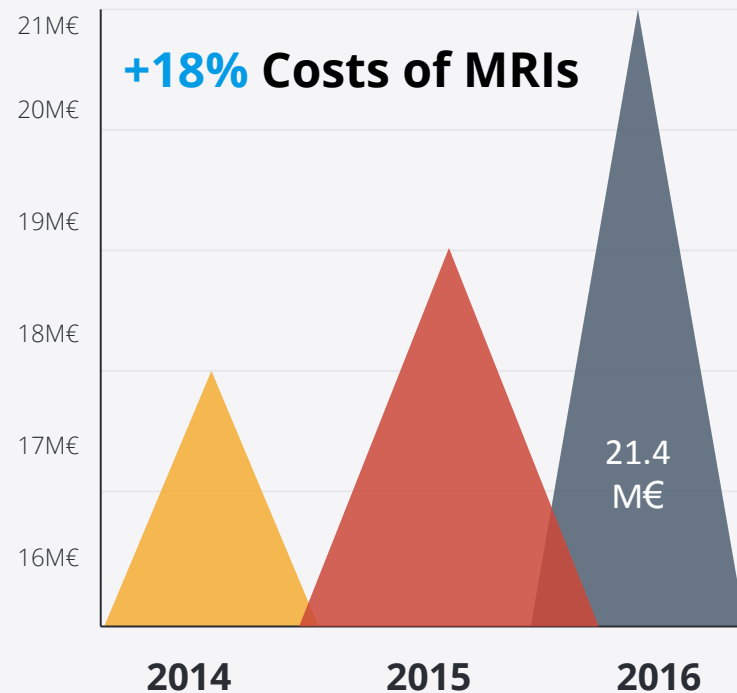
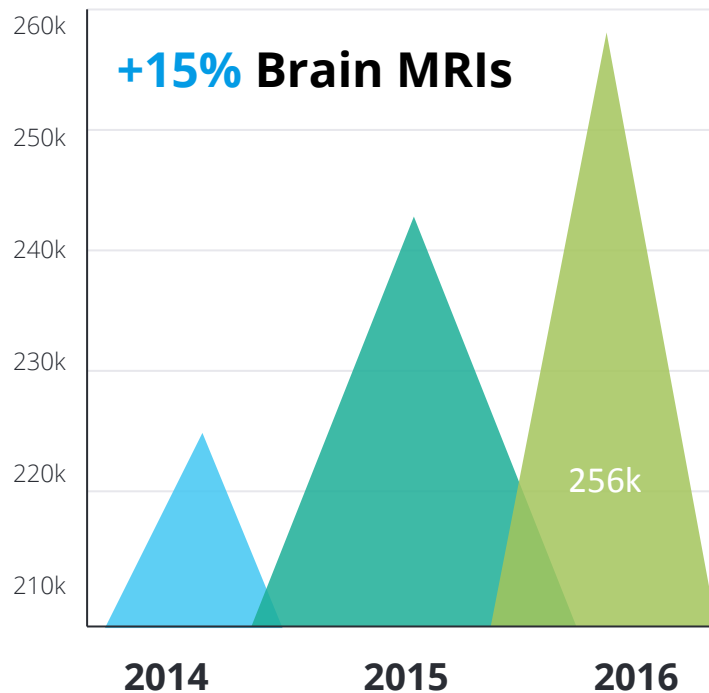
For Medical decision
making systems



<http://www.companiesandmarkets.com/News/Healthcare-and-Medical/Healthcare-decision-support-market-led-byMcKesson-and-IBM-s-Watson/NI7169>

Data Collection

From the "Kassenärztliche Bundesvereinigung"



Competition analysis

High growth
start-ups



Integration solution for
medical facilities

Big players
with access to data



AI-powered
medicine research

MRI device's
manufacturers



Implementing AI
in MRI devices

The Team



Dr. rer. nat. Kerstin Ritter
Mathematician,
PhD in Computational Neuroscience

Kerstin's current research is focused around the application of deep learning for clinical neuroimaging.



PD Dr. med. Michael Scheel
Radiologist, experienced with spin-offs

Expert in neuroradiology and psychiatry, Michael provides all the clinical support for project Brian.



Fabian Eitel
Data scientist

Passionate by machine learning, deep learning, Fabien has all the necessary technical background for the project development.

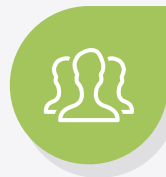
Our Strategy

PARTNERSHIPS ARE KEY



Charité Datacentre

Development and improvement of the algorithm software in a “data science centre” in Charité.
Gain of credibility and expertise



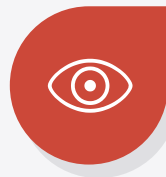
First customers

The Charité ecosystem can provide the first patients to test the solution



Partnerships (Spin-off)

Sell SaaS to companies that will take care of the integration (Zebra, Enlitics, Siemens, Philips, Sectra...)



Personal Website

To promote the researchers and the project.
Entry point for partners, customers and researchers

Business Model

PARTNERSHIPS ARE KEY

BRIAN

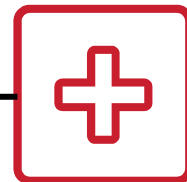
Diagnostic
for Brain

...

...



Complete SaaS
Solution



HOSPITALS

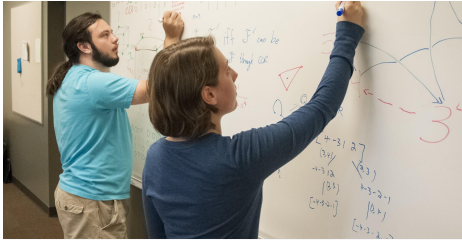
Bank of Partners

The major players

The End-users

Join Our Vision

LOOKING FOR CO-FOUNDERS AND PARTNERS



Researchers

Develop the Charité's research network

Share data and improve the algorithms to save lives



Co-Founders

Join the journey as a business oriented co-founder

Pave the way to the future of medicine



Partners

Share the resources to test and improve the technology

Find a sustainable way to sell and implement the solution