

mediaire

BERLIN, 28.03.2021 |

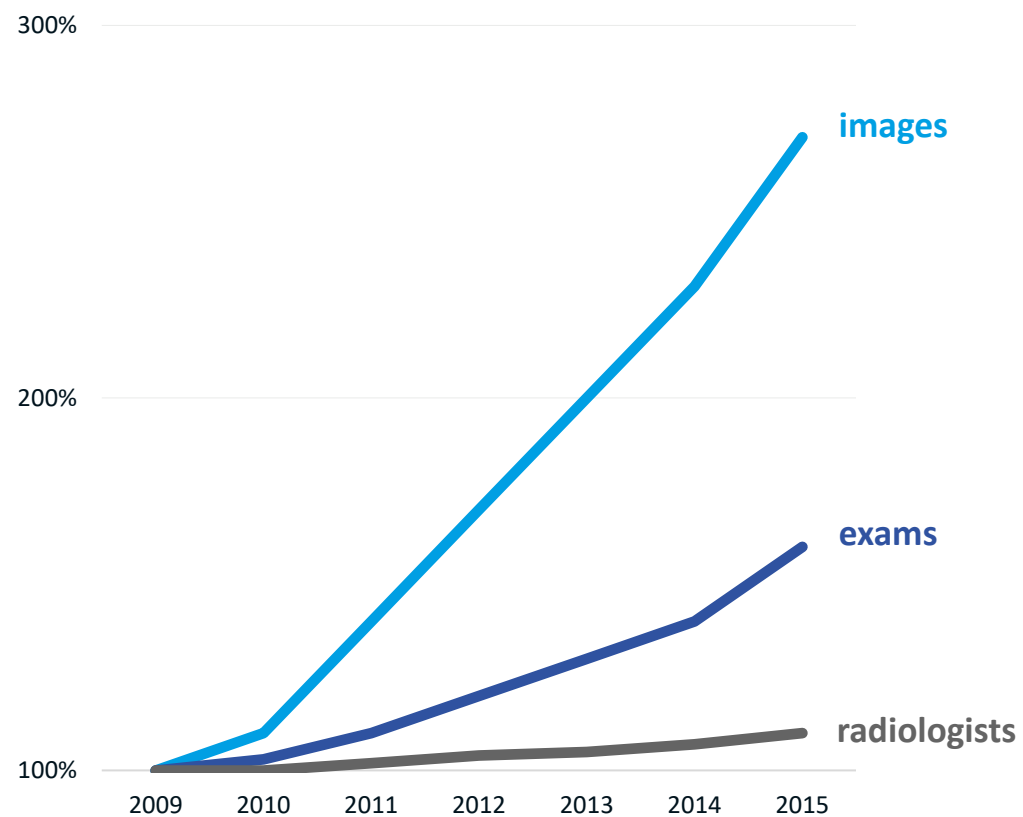
Empower Radiologists to extract full diagnostic value of their images

Andreas Lemke, CEO

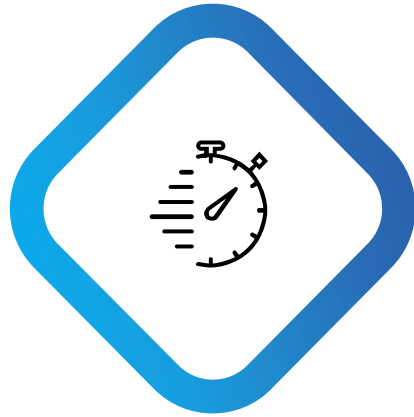
CONFIDENTIAL



Radiologists are facing a vicious dynamic: more images, less time



The current dynamics trigger a chain of negative consequences – for everyone



More time pressure

There is an **average of 3 sec.** per image available.



Decreasing Pay

The average pay per image has **decreased by 5% p.a.**



Higher Burn-Out

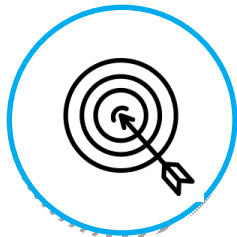
Increasing pressure leads to **physical and psychological stress.**



Worse patient care

While technology improves, **errors** are still likely to happen **30%** of the times.

AI-based Software can break vicious dynamics if certain requirements are fulfilled



01

Accuracy #1

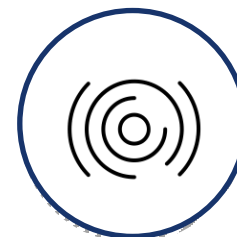
The accuracy of the AI must be high enough such that manual corrections are not required



02

Workflow integration #2

Distraction from their daily routine decreases efficiency and thus the software must be perfectly adapted



03

Coverage #3

The coverage of the solution must be significant allowing the radiologist to focus on only one software



04

Price per Value #4

The radiologic practice will only implement the software if the value is higher than the price



mediaire | DIGITAL INNOVATION IN RADIOLOGY

Develop software to empower
Radiologists **now** extracting the
full diagnostic value of their MRI
images

 mdbrain

 mdspine

 mdprostate

 mdknee

LEARN MORE

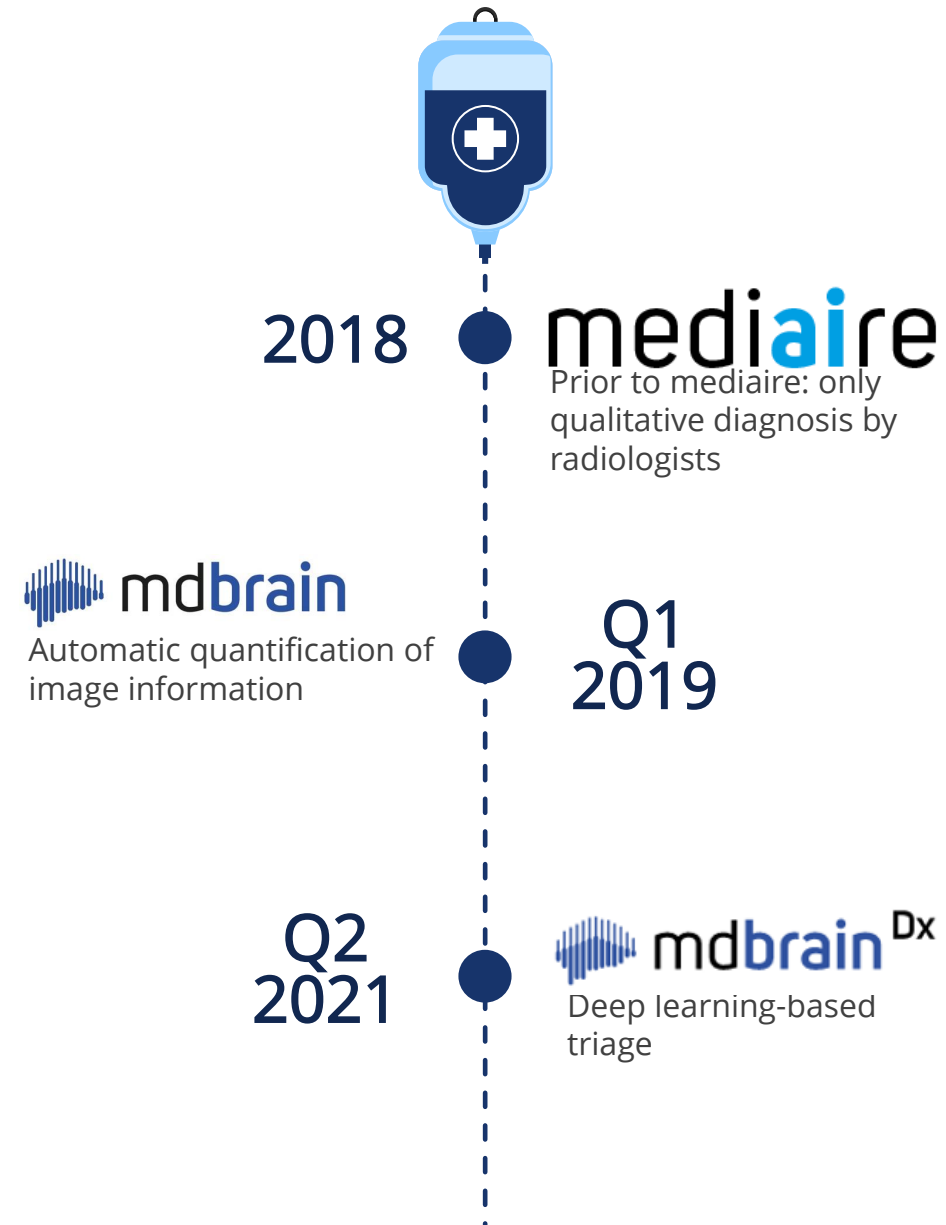


mediaire: our 3-year dynamic growth journey



About mediaire

From Radiologists for Radiologists





Mediaire will release the **world's first knee MRI product in Jan 2021** and cover almost **50% of all MRI exams in 2022**

Q2
2020



Spine lesion characterization



Knee injury classification

Q1
2022

Q2
2022



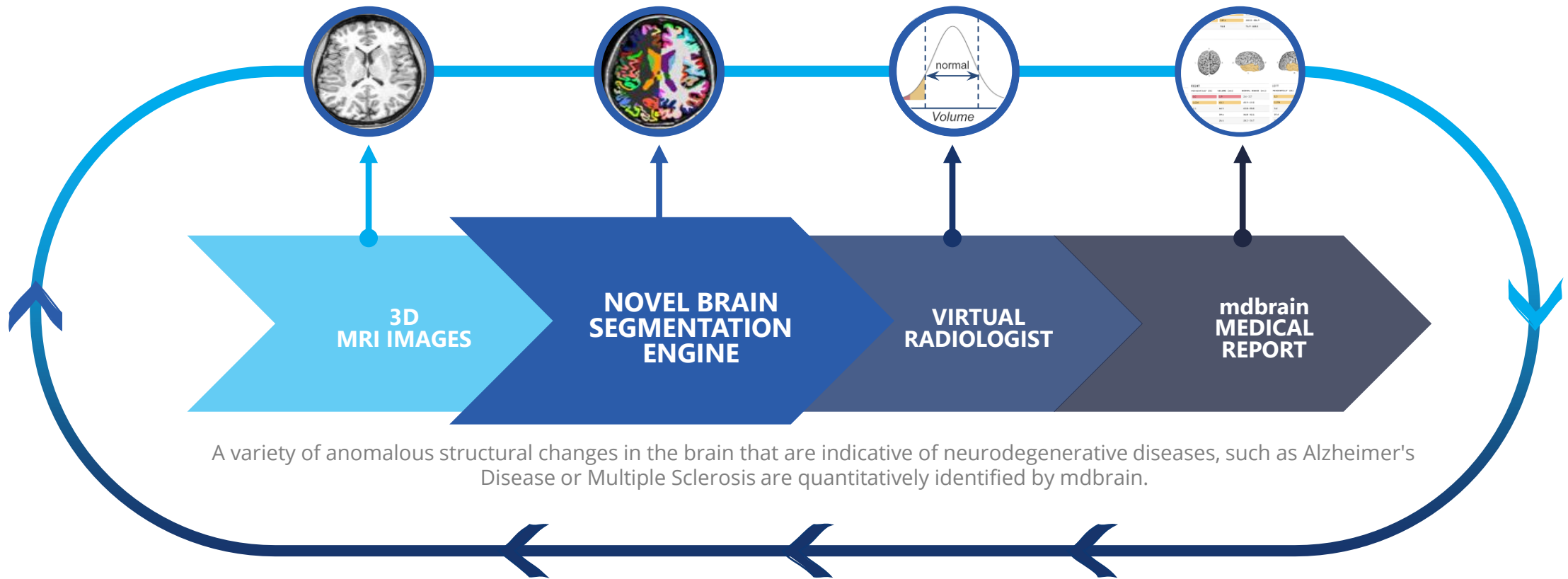
Prostate tumor detection



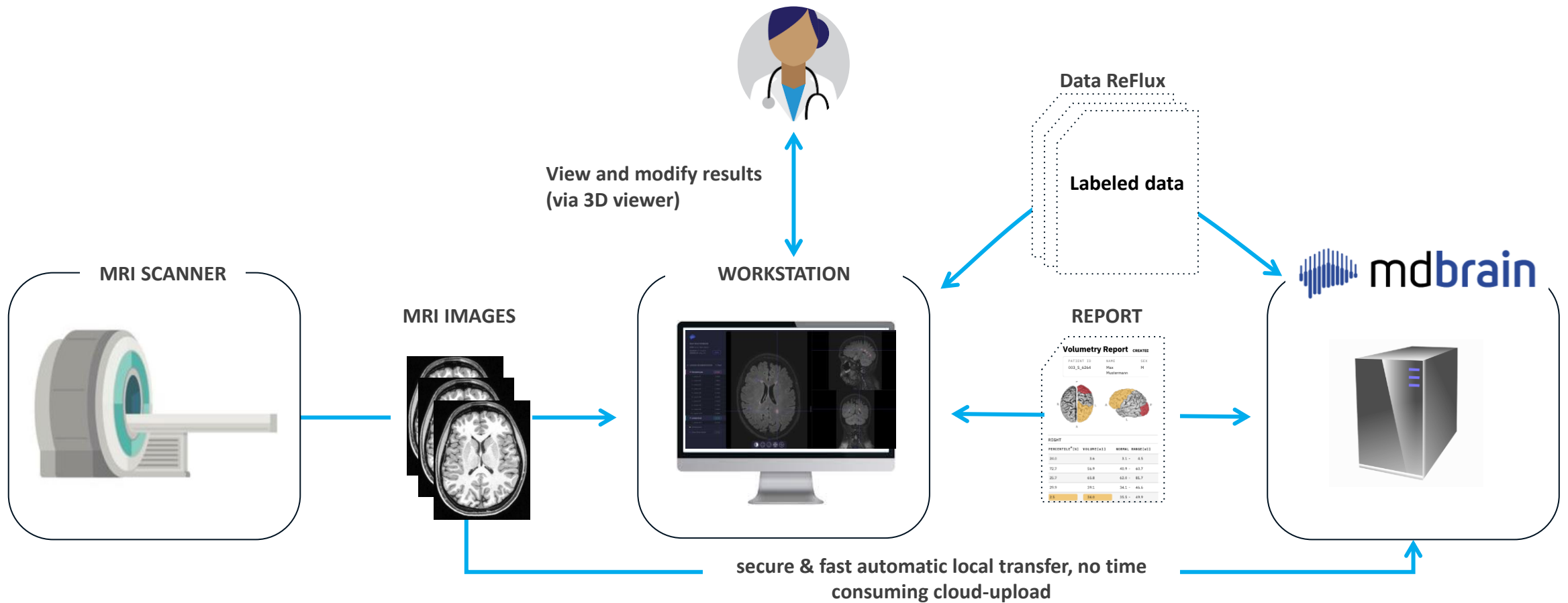
...more to come!

| Product Introduction

mdbrain: applying deep learning combined with a novel segmentation approach

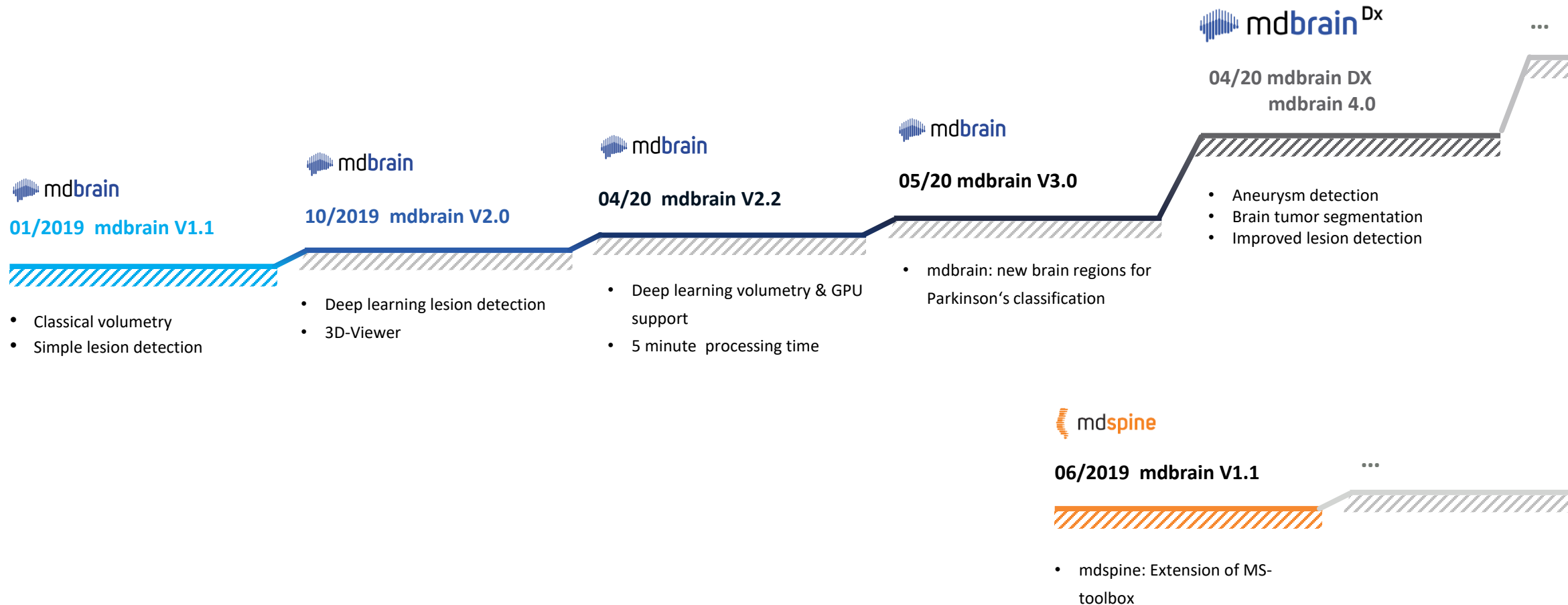


mdbrain interacts seamlessly with the Radiologist and maintains 100% data security



Life cycle management & portfolio extension help to increase MRR per customer

We continuously improve our product based on customer feedback to meet their needs and expand use



| Business Strategy

Targeting & Segmentation focusses on high potential accounts

Each stakeholder within an account is addressed individually based on attitudinal and behavioral factors

HOSPITALS

Parameters

- Potential & AI use pattern
- Focus in **Dementia or MS**
- License for outpatient care (§116b)

Key accounts

- ✓ **Helios Clinics**
148 Radiologists, 66 MRIs
- ✓ **Sana clinics**
71 Radiologists, 14 MRIs
- ✓ **Asklepios**
68 Radiologists, 23 MRIs

mdbrain
installed!

OFFICE-BASED CENTERS

- Potential & AI use pattern
- **% private patients**
- Neurological **referral network**

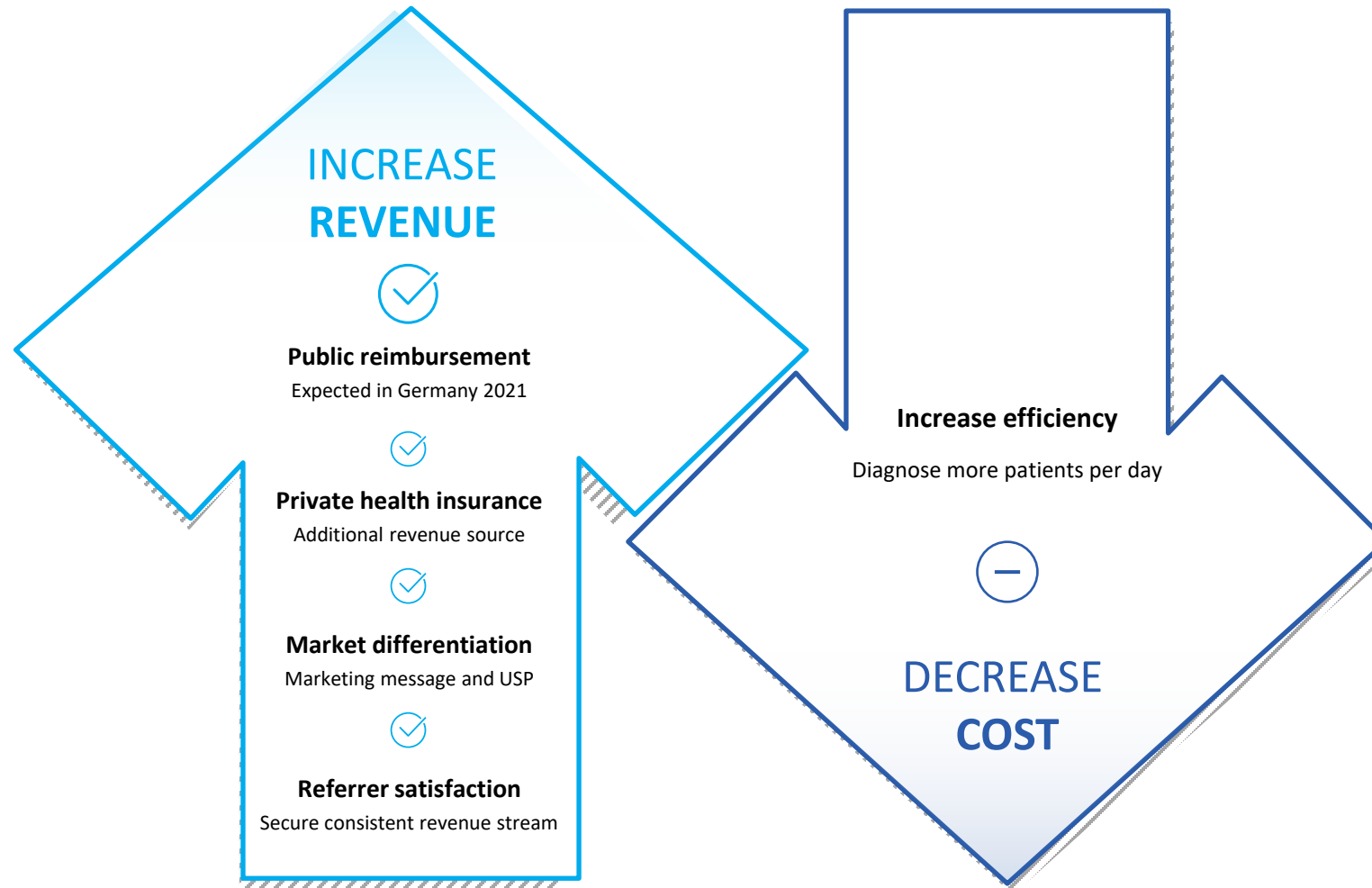
- ✓ **Radiologie 360°**
93 Radiologists, 39 MRIs
- ✓ **Radprax**
59 Radiologists, 15 MRIs
- ✓ **Radiologische Allianz**
48 Radiologists, 12 MRIs

2 Signed!

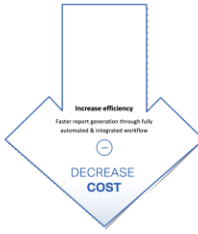
PERSONAS



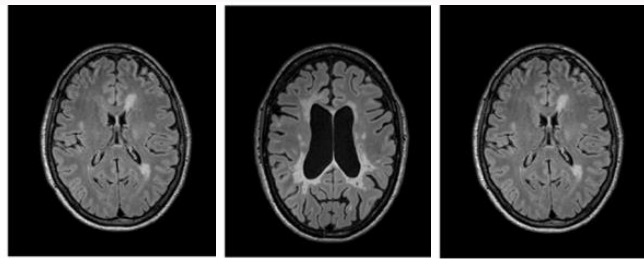
Customer perspective: the economic case for implementing mdbrain is simple



Decrease cost: Diagnose faster (case study Multiple Sclerosis)

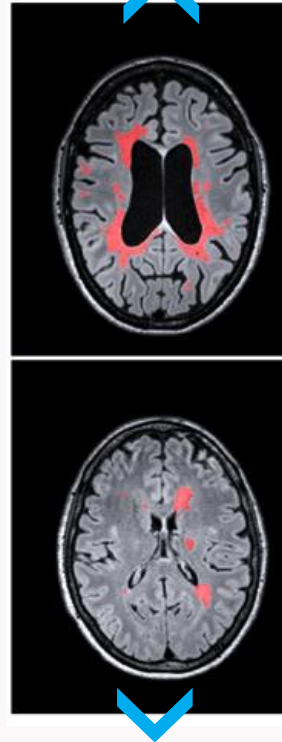


Today



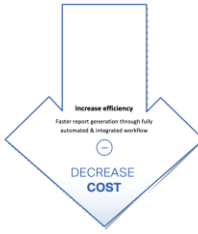
- **Manually scrolling** 200 slices
- **Manual count** of brain lesions
- **Estimate** size and progression
- **Manual identification of changes** to prior scan
- Writing medical report **from scratch**

With **mdbrain**



- **Scroll** through slices with **coloured lesions**
- **Automatic counting** of all brain lesions
- Measuring **volume and progression**
- **Automatic flagging** of changes to prior scan
- **Automatic generation of tables and pictures** into diagnosis report

Decrease cost: Diagnose faster (case study Multiple Sclerosis)



Time saving
5-10 min
Cost saving
20€

- Manually scrolling 200 slices
- Manual count of brain lesions
- Estimate size and progression
- Manual identification of changes to prior scan
- Writing medical report from scratch

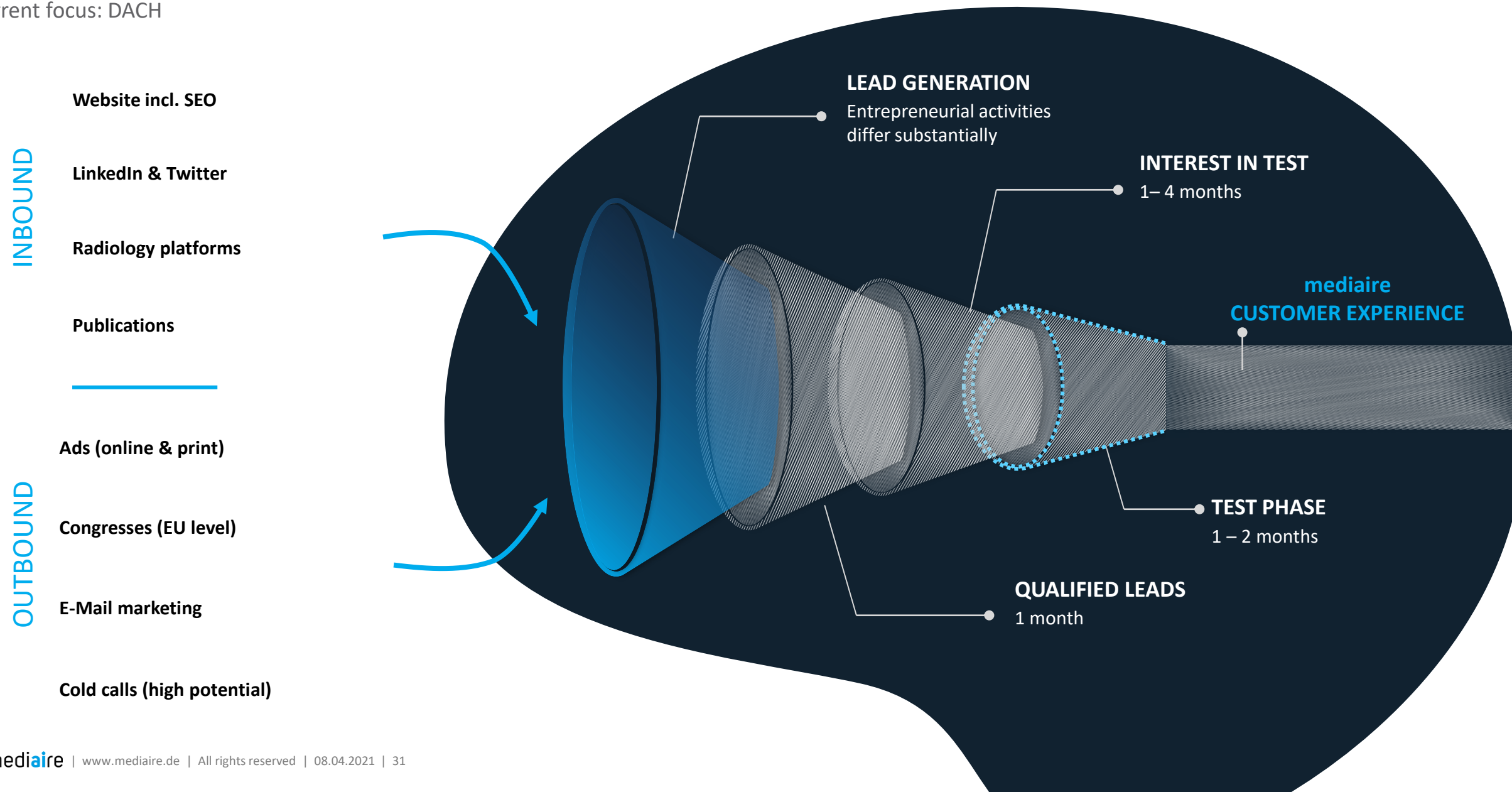
With **mdbrain**



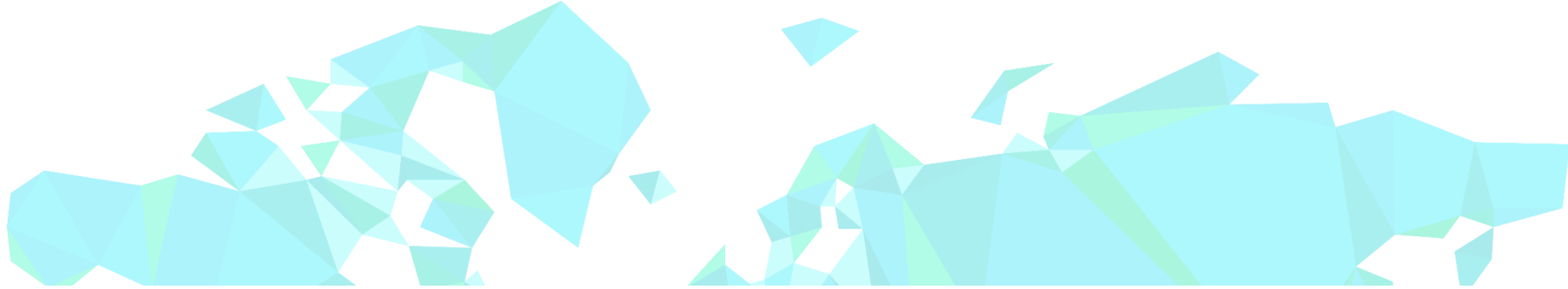
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- **Automatic counting** of all brain lesions
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A multichannel strategy fills our sales funnel and generates positive customer experience

Current focus: DACH



We value and leverage both our scientific and business development partners



SCIENTIFIC COOPERATIONS



Universitätsklinikum
Erlangen



UNIKLINIK
KÖLN

BUSINESS COOPERATIONS



Integration in
structured reporting



Clinical trials &
global presence



Platform and PACS
integration



| Company & Team

We believe adding an extra pair of eyes improves diagnostic efficiency and patient outcome



VISION

Accurate medical diagnoses,
accessible for everyone.

MISSION

We create a **reliable and affordable AI-colleague** in **close collaboration** with the
radiology community.

DEDICATION

INTEGRITY

CUSTOMER-CENTRIC

TEAMWORK

INNOVATION

We are passionate MRI & AI engineers who turned their first customers into co-founders



Dr. Andreas Lemke

#CEO #Founder #Lead Engineer

#MRI Physicist & Entrepreneur



Dr. Jörg Döpfert

#CTO # Founder #AI Engineer

#MRI Physicist & AI Engineer



Prof. Dr. Michael Fenchel

#Advisor Radiology #Founder

#Radiologist



Prof. Dr. Henrik Michaely

#Advisor Radiology #Founder

#Radiologist



Dr. Jens Opalka

#CMO #Sales #BizDev

#Neurologist



UNIVERSITÄT
HEIDELBERG
ZUKUNFT
SEIT 1386

FLIXBUS



BOSCH
Invented for life



IHRE RADIOLOGEN



HARVARD
UNIVERSITY

SANOFI



Who already believes in us – extract from our awards



Rated #2 in TOP 50
German Start-up

We are grateful to our partners
(employees) for making us the
company that we are. And we are
honored to be acknowledged for their
efforts.



Winner

Science4Life
Venture Cup
2019



Winner

Deep Tech
Award
2019



Winner

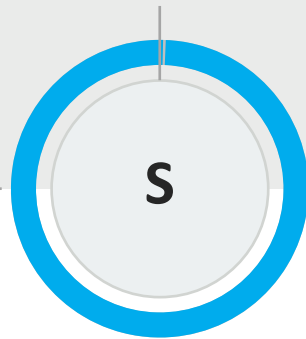
Bundeswettbewerb "Digitale
Innovationen" 2018



Transparency of strenghts and weaknesses to mitigate potential drawbacks and risks

We are confident that core threats and weaknesses are not inherent in the product, but can rather be countered by add-on marketing spend

STRENGTH



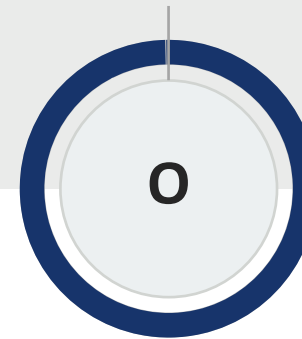
- Product USPs & product pipeline
- Efficient data sourcing
- Commercial traction in DACH incl. big clients
- Experienced and highly motivated team
- mediaire is MDR ready

WEAKNESS



- Limited brand awareness
- Limited geographical presence
- Limited funding compared to competitors

OPPORTUNITIES



- AI adoption increasing
- New product upselling
- Public reimbursement accelerating adoption
- Geographical expansion within EU-5

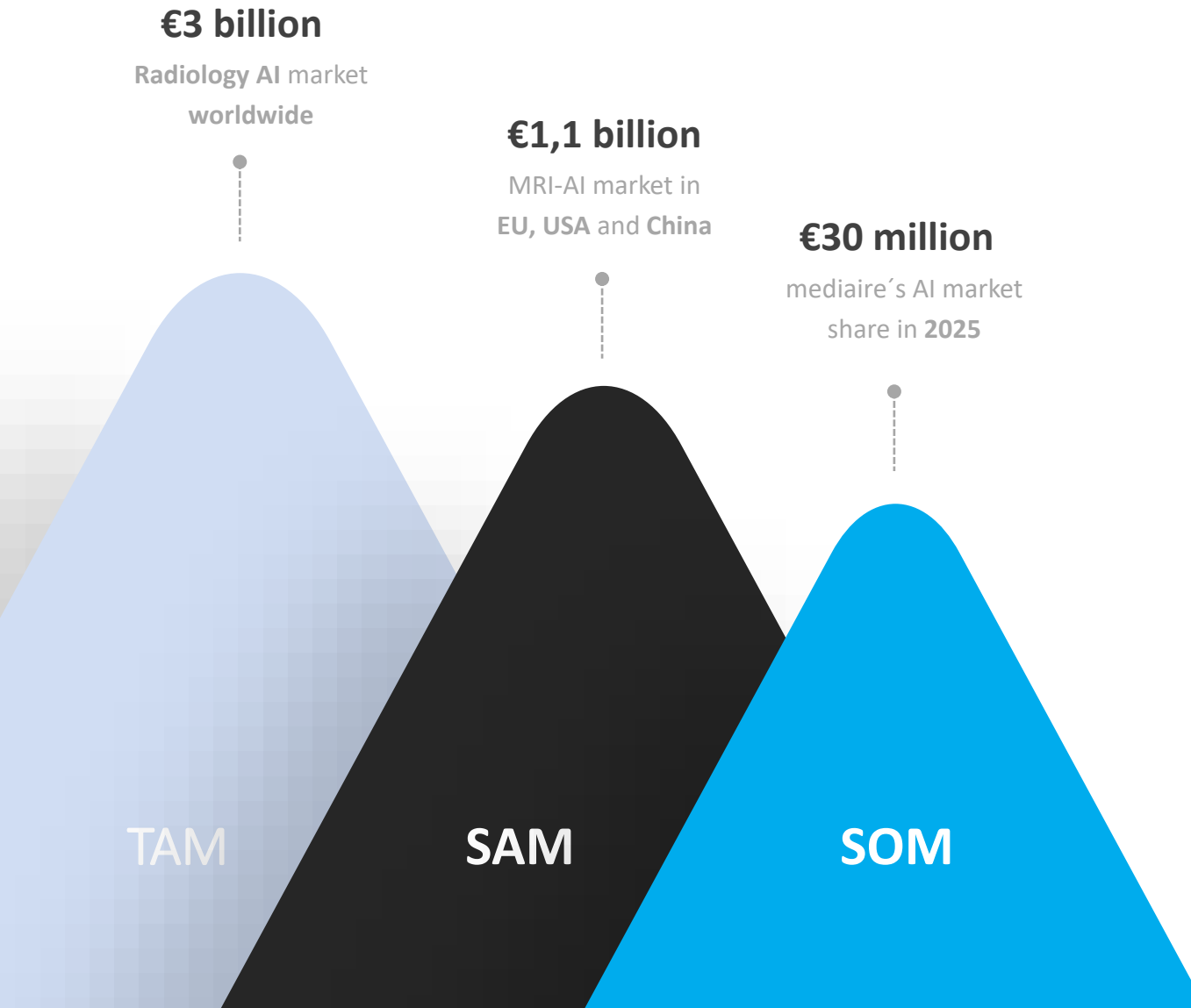
THREAT



- Expensive promotional activities by competitors
- MRI vendors leverage their sales power, overcome tech disadvantage
- New products don't reach product-market fit immediately

| Market & Financials

Radiology is at the start of AI-technology innovations expected to disrupt all aspects of the profession



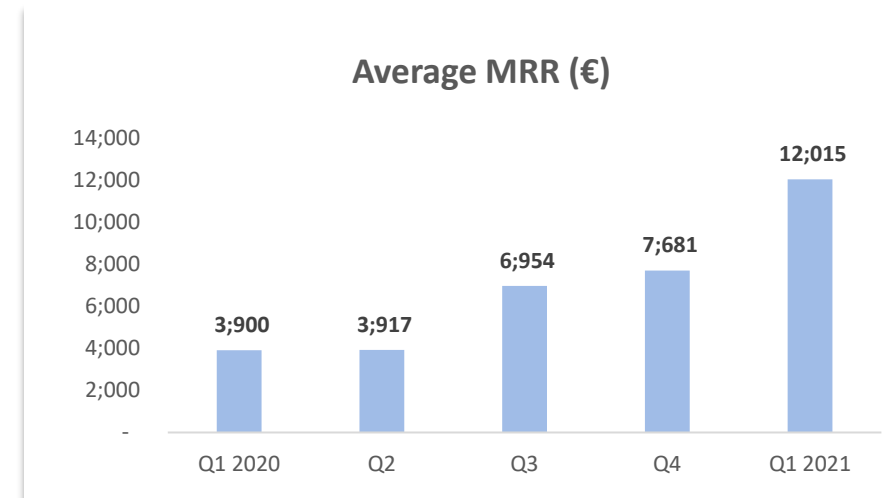
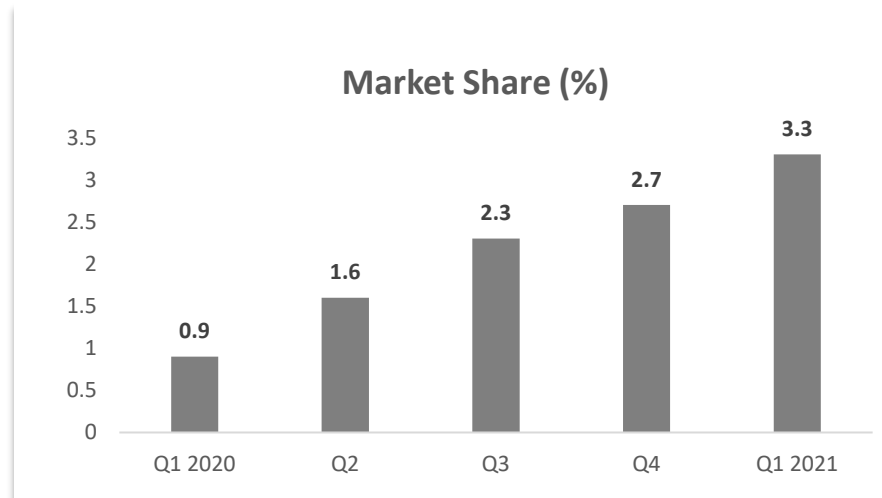
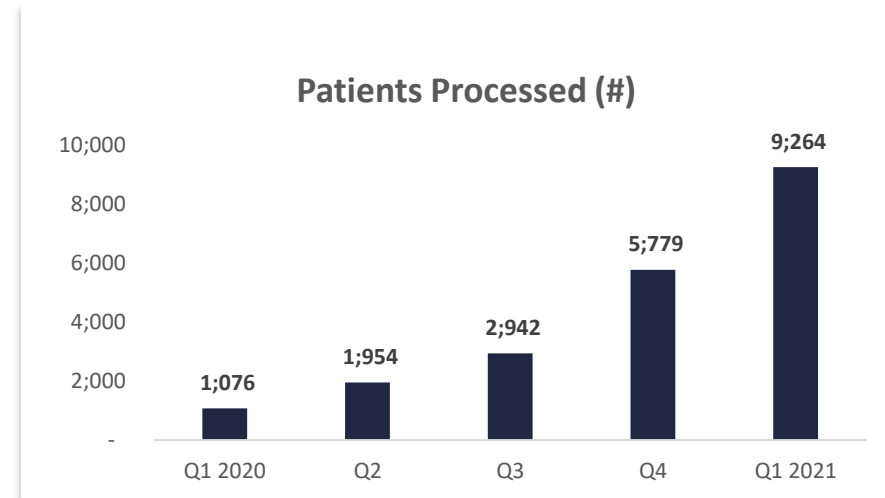
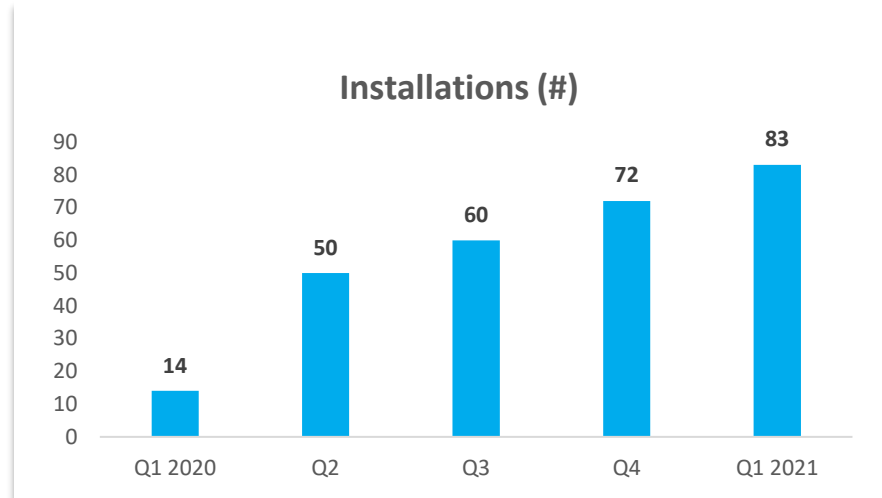
16.5% CAGR (2018-2027)

- The market for machine learning supported imaging diagnostics predicts € 1.7B in 2023 and € 3B in 2027*.
- 10k radiology practices in EU and US with >1.5B MRI images from 15M patients annually. A deficit of 50k radiologists is estimated within the next decade.
- mediaire expects a market share in MRI-AI radiology applications of 25%, thus leading to € 30M revenue in 2025.

Our new subscription SaaS model creates both trust and high demand

STARTER	STANDARD	PREMIUM	ENTERPRISE
150€	600€	1500€	2950€
Per month, billed quarterly	Per month, billed quarterly	Per month, billed quarterly	Per month, billed quarterly
10 reports incl. 15€ per extra report	75 reports incl. 8€ per extra report	300 reports incl. 5€ per extra report	1200 reports incl. 2€ per extra report
900€ installation fee	900€ installation fee	900€ installation fee	900€ installation fee
2h monthly support incl.	8h monthly support incl.	Unlimited support	Multi-PACS installation
Suits individual practices getting to know AI	Catering to small practices seeking full automation	Serving practices with several MRIs and full automation	The AI-suite for radiological enterprises with multiple locations

Most important KPIs show significant growth - especially considering Q1 2021



Our model scales: where we are and where we are going

PHASE 1:

COMMERCIAL TRACTION

04/2018 – 12/2020

Focus country: Germany

Launch: **mdbrain** & **mdspine**

MRR € 7,241

PHASE 2:

GEOGRAPHICAL & PRODUCT EXPANSION

01/2021 – 12/2022

Focus countries: DACH & EU-5

New launch: **mdbrainDX**, **mdknee**, **mdprostate**

MRR € 319,000

PHASE 3:

GLOBAL COMMERCIAL MARKET LEADER

01/2023 – 6/2024

Focus countries: USA and China

New launch: **mdheart**, **mdbrain-suite** (incl. CT)

MRR € 1187,000

Our strategy

OUR AMBITION

Market leader
within MRI radiology

2021

111 **€ 1Mio**
Customers Run Rate

2023

543 **€ 10Mio**
Customers Run Rate

MUST-WIN BATTLES

Commercial growth

Execute our GTM strategy to become market leader within AI-MRI applications

Customer-centric products

Co-creation of product features with our radiologic community for exceptional customer experience

Competitive advantage

Execute the fastest product development, exponential data growth and securing the IP of the proprietary ML models

KEY METRICS

Customers
Reports
Revenue/MRR
Market share

Retention rate
Customer lifetime value
Conversion rate
Net Promoter Score
Proven efficiency gain

Products and coverage
Acquired and labeled data
R&D costs per product
Patents

STRATEGIC INITIATIVES

- Upselling mdbContext to mediaire customers
- Reactivation of lost customers with new products
- Grow into EU-5 markets in 2022
- Freemium to premium

- Transformation from support and key account sales to customer success team
- Improved customer onboarding
- Transition from pay-per-use to subscription model
- Efficiency gain studies

- Apply Deep Learning SOPs to future products
- Leverage access to data from customers
- Build up powerful patent-portfolio



GET IN TOUCH

Follow us or reach out!

We're happy to share a demo, discuss or have a coffee.



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