



Bio-Grid
Healthcare AI Solutions



Forbes



Advancements in
Imaging Modalities
Dynamic Imaging



Population Health
Trends



Increased Diagnostic
Complexity



Cloud-Based Tools and
Long-Term Storage

2013 - 2020

9x

ScienceDirect (2024) The healthcare industry generates approximately 30% of the world's data volume,

Journal of Healthcare Informatics

Statista. (2018). Volume of healthcare data generated worldwide from 2013 to 2020 (in exabytes).

Forbes (2021). The skyrocketing volume of healthcare data makes privacy imperative.

Dawson, P. and Allison, D.J. (2014). Dynamic Imaging. In: Textbook of Radiology and Imaging. 7th ed. Elsevier Health Sciences, pp.122-135.



Impacts of Data Increase



Increased
Workload



Medical
malpractice
claims



Increased
Healthcare costs



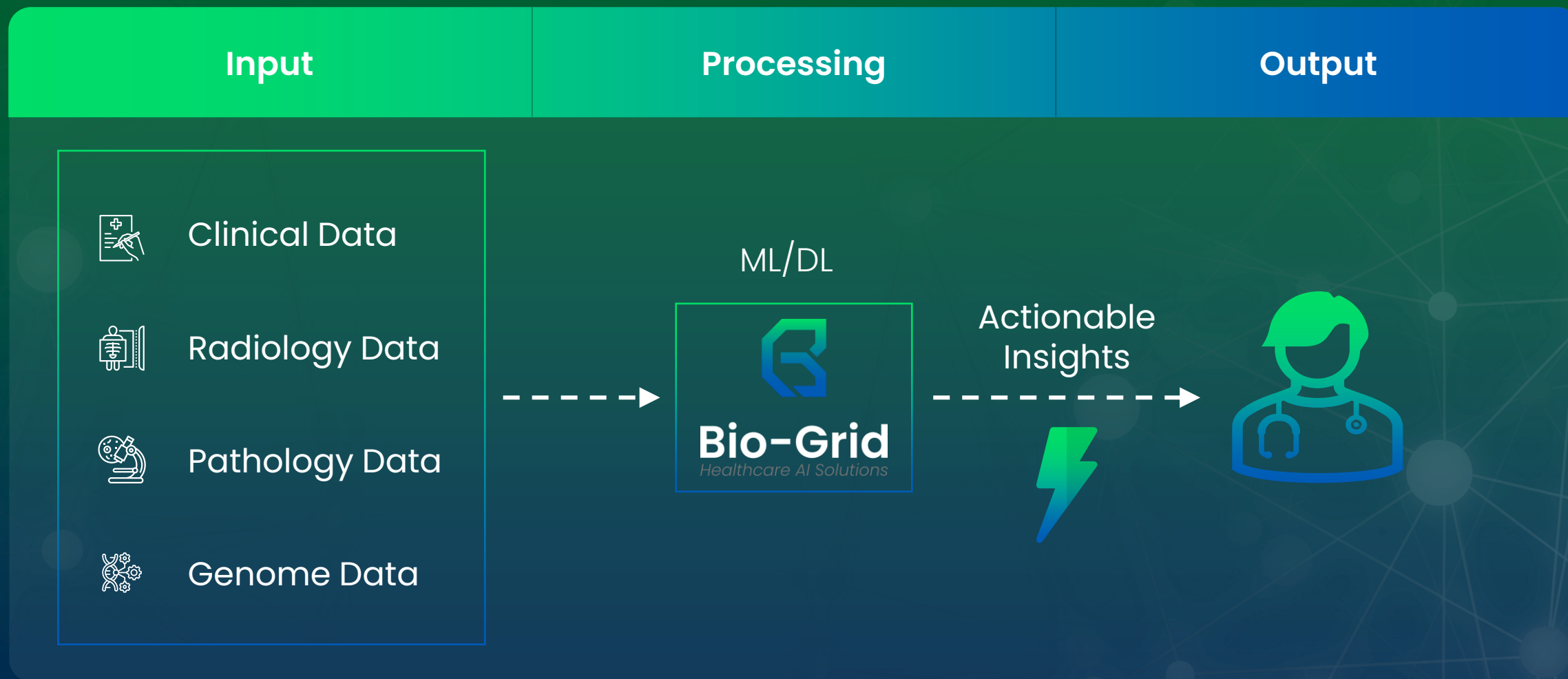
Diagnostic Delays

The impact of fatigue on diagnostic decision making in radiology. Journal of the American College of Radiology, 14(1), pp.89-96.

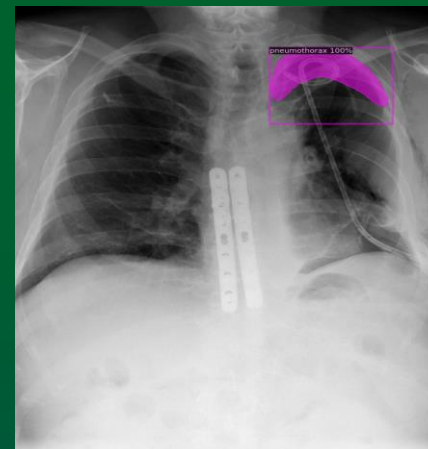
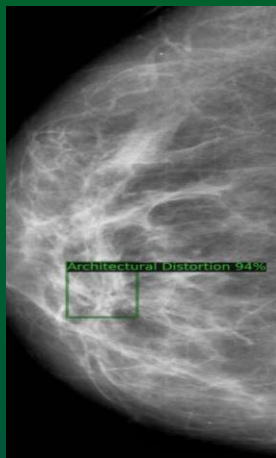
Shanafelt, T.D., Dyrbye, L.N., West, C.P. and Sinsky, C. (2019). Strategies to address physician burnout: A clinician's guide to organizational change and wellness. Mayo Clinic Proceedings, 94(8), pp.1435-1443.

Aljarallah, B. & Al-Hakami, A., 2021. The status of medical malpractice litigations in Saudi Arabia. Saudi Journal of Anesthesia.

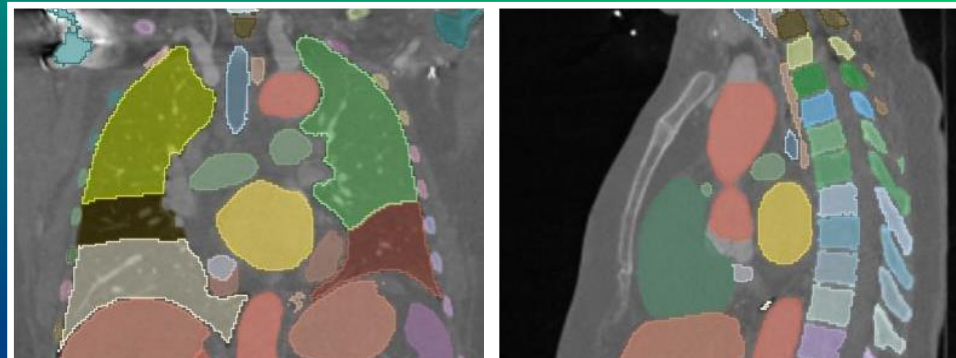
What We Do..



Instant
Detectors

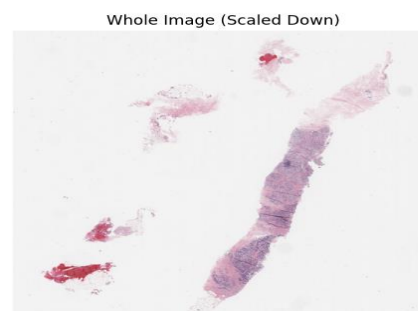


30x Faster
Radiotherapy planning



WSI. 30K Microscopic image

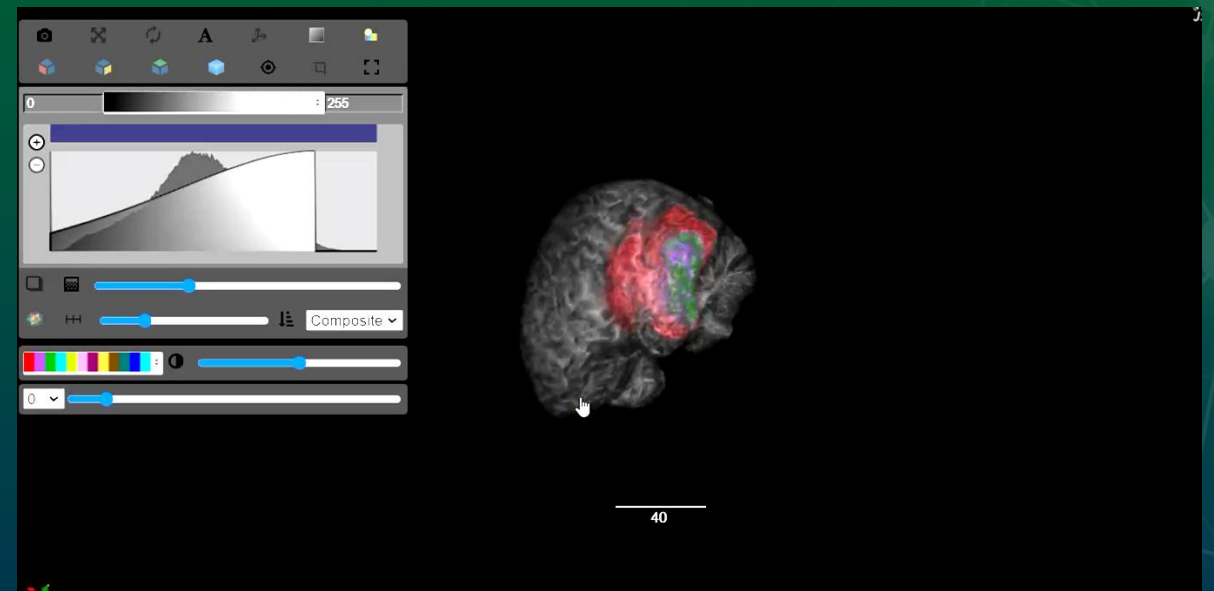
24x Faster
pathology



Radiotherapy planning
via organ segmentation
and Rtstruct creation



MRI Brain Tumor detection
and Volumetric tracking



75%

Workflow Improvement



Patient Outcomes



Cost

Rodríguez-Ruiz, A., Lång, K., Gubern-Mérida, A., Broeders, M.J.M., Gennaro, G. and Mann, R.M., 2019. Standalone artificial intelligence for breast cancer detection in mammography: Comparison with 101 radiologists. *Journal of the National Cancer Institute*, 111(9), pp.916-922.

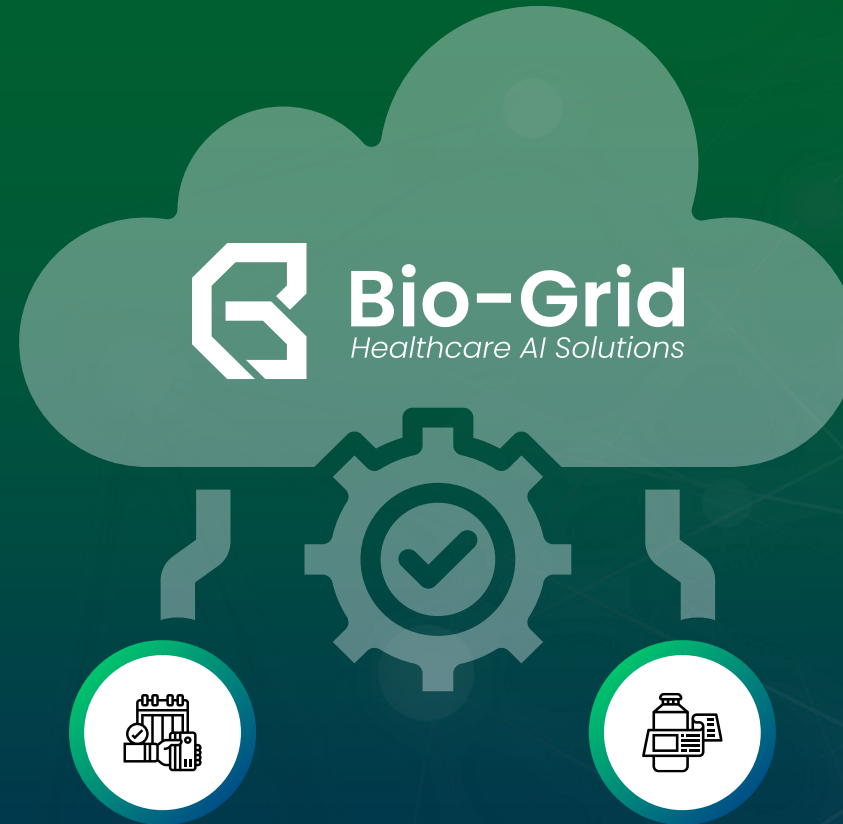
Ribli, D., Horváth, A., Unger, Z., Pollner, P. and Csabai, I., 2018. Detecting and classifying lesions in mammograms with Deep Learning. *Scientific Reports*, 8(1), pp.1-7.

Isensee, F., Jaeger, P.F., Kohl, S.A.A., Petersen, J., Maier-Hein, K.H., 2021. nnU-Net: A self-configuring method for deep learning-based biomedical image segmentation. *Nature Methods*, 18, pp. 203-211.

Margeta, J., Crimi, A., Athanasopoulou, C., et al., 2020. AI-based brain tumor segmentation and survival prediction: A comprehensive analysis. *Medical Image Analysis*, 65, p. 101770.

Business Model

Cloud or local API
integration

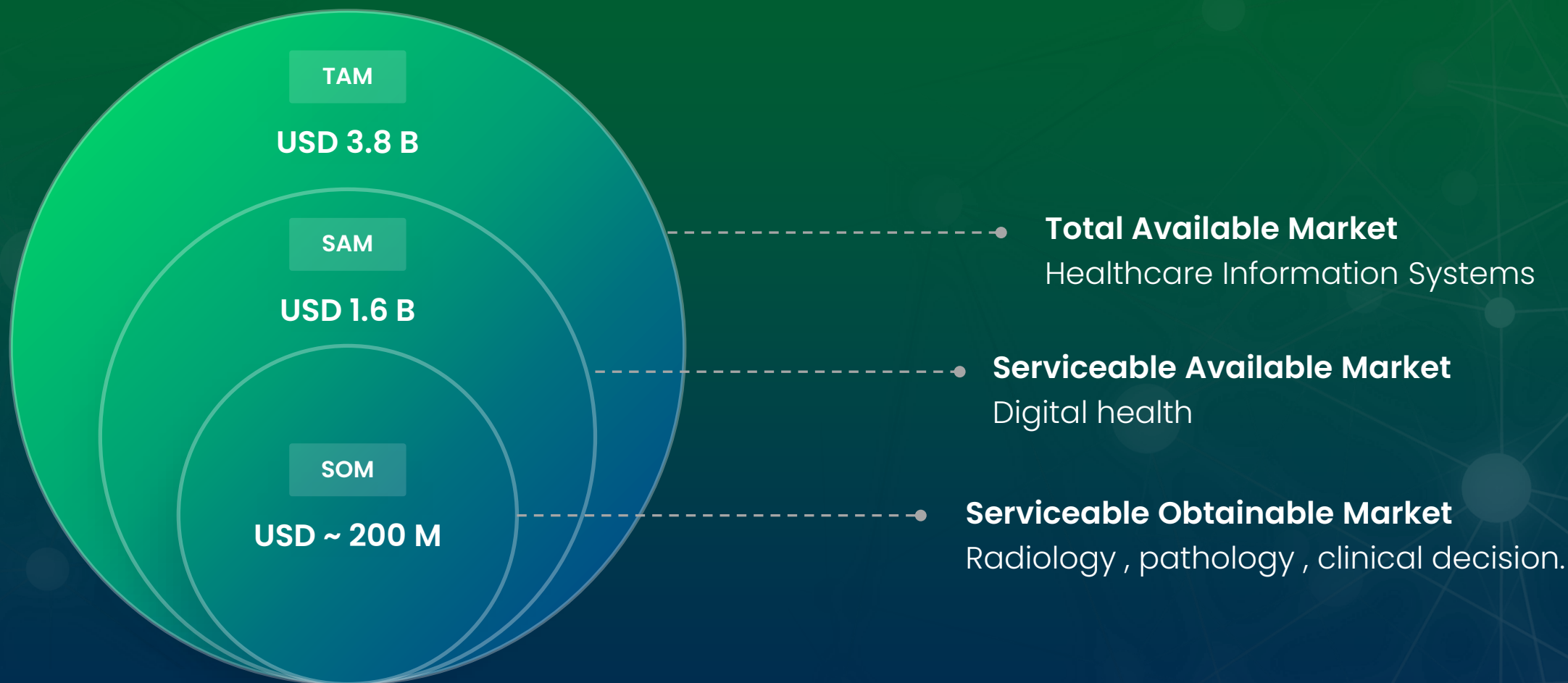


**Annual
Subscription**

**On premise
annual license**

30 – 100K per app Subscription

KSA Market

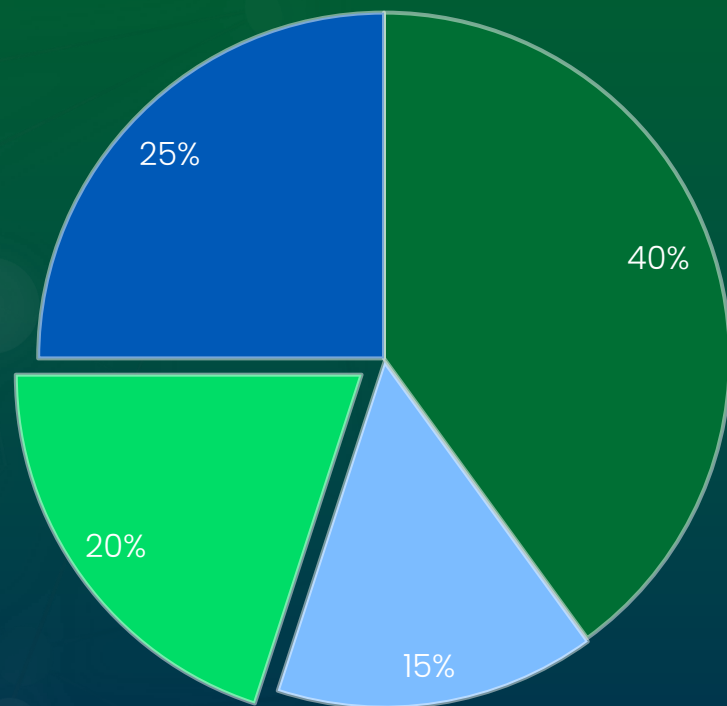


Current Market Players

	 Bio-Grid <i>Healthcare AI Solutions</i>	 Lunit South Korean / 2013 / Public	 Thakka Med Saudi Arabia / 2022 / private
KSA Healthcare commercial experience	++	++	++
Commercial Focus - position	Radiotherapy Pathology Chronic Disease	Screeners	Dental chest
Local Hospital Network	+++	++	+
Technological Depth	++	+++	++
Main Delivery Mode	All + Custom	All	All

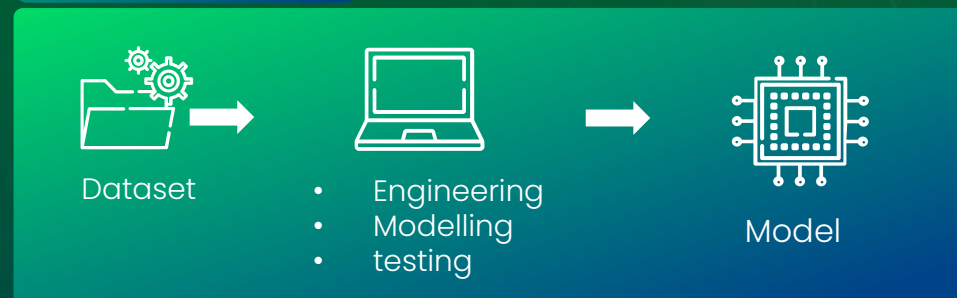
Investment Areas

Our Ask : 500k USD



■ Development ■ Marketing ■ Sales ■ Operations

Development Pipeline



Commercial Pipeline

- Sales
- Marketing
- Public Relations



Milestones

Q4/2024

Start of
Development
apps
Establishment
• Bio-Grid

Q1/2025

Trial requests
deployments
On Mammo app

4 Deployed &
5 in pipeline

2 MOUs

1st App

Q2/2025

20 clients
contacts
milestone

Pilot results
follow up &
MOUs

3 Apps

Q3/2025

Local
integration
experiments
for best
performance

Adding pilots
for new apps

4 Apps

Q4/2025

Signing with
top 3-5
successful 1st
wave pilots

Starting our
Revenue
stream

6 Apps

The Team



Ali Soultan
CEO

15 Healthcare
commercial
experience

2024 Hackathon
winner Data
Scientist



**Mohammed
Alharbi**

CCO

10 Healthcare
Institutional
commercial
experience



Partners





Bio-Grid

Healthcare AI Solutions

