



AI TRANSFORMATION





"Companies that are adopting AI today at scale are best positioned to drive transformation at industrial scale for themselves and their customers"

**Tarry Singh,
CEO deepkapha.ai**



01



Section One

- Data & Algorithms fuel for AI Economy
- Where will your company be by 2025?



AI Trends

Data and Algorithms are here to stay

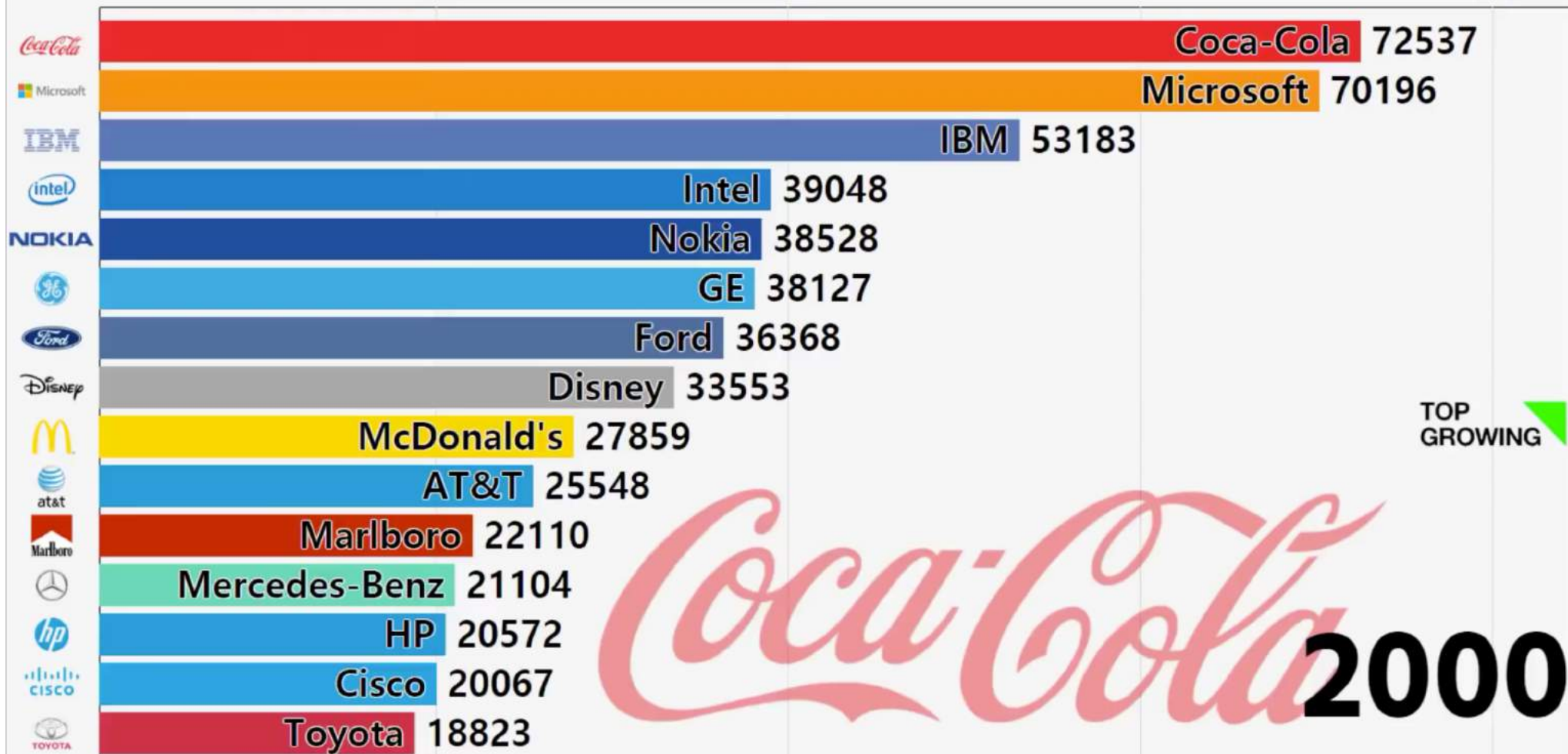
Based on the AI Index 2018 Report, World Economic Forum Report and DK Research.

- Companies that are getting more value from their data are constantly outperforming their competitors. Data is at the center of their corporate strategy. They vigorously test and interrogate data scientifically using Machine & Deep Learning techniques.
- Successful AI leadership in these companies encourages a culture that treats data as an asset, sets reward on tangible and ROI driven AI projects that effectively mine datasets for commercial success.

Where will you be by 2025?

Top 15 Best Global Brands Ranking

Brand Value \$m
20000 40000 60000 80000





02



Section Three

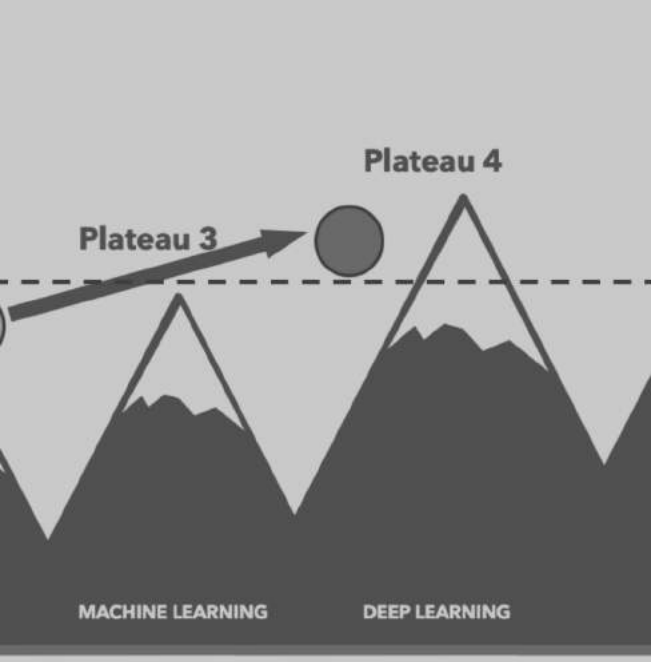
- Case for AI Transformation
- AI Maturity, AI Skills & Data-driven ROI Projects

What you need to prepare for

Case for AI transformation

- Measure your AI Maturity
- Train your staff in AI
- Pick projects that encourage cross-silo collaboration
- Start with pilot projects that can turn into MVPs (Minimum Viable Products)
- Define and guard vision with robust governance structures
- Establish AI leadership role within the board level





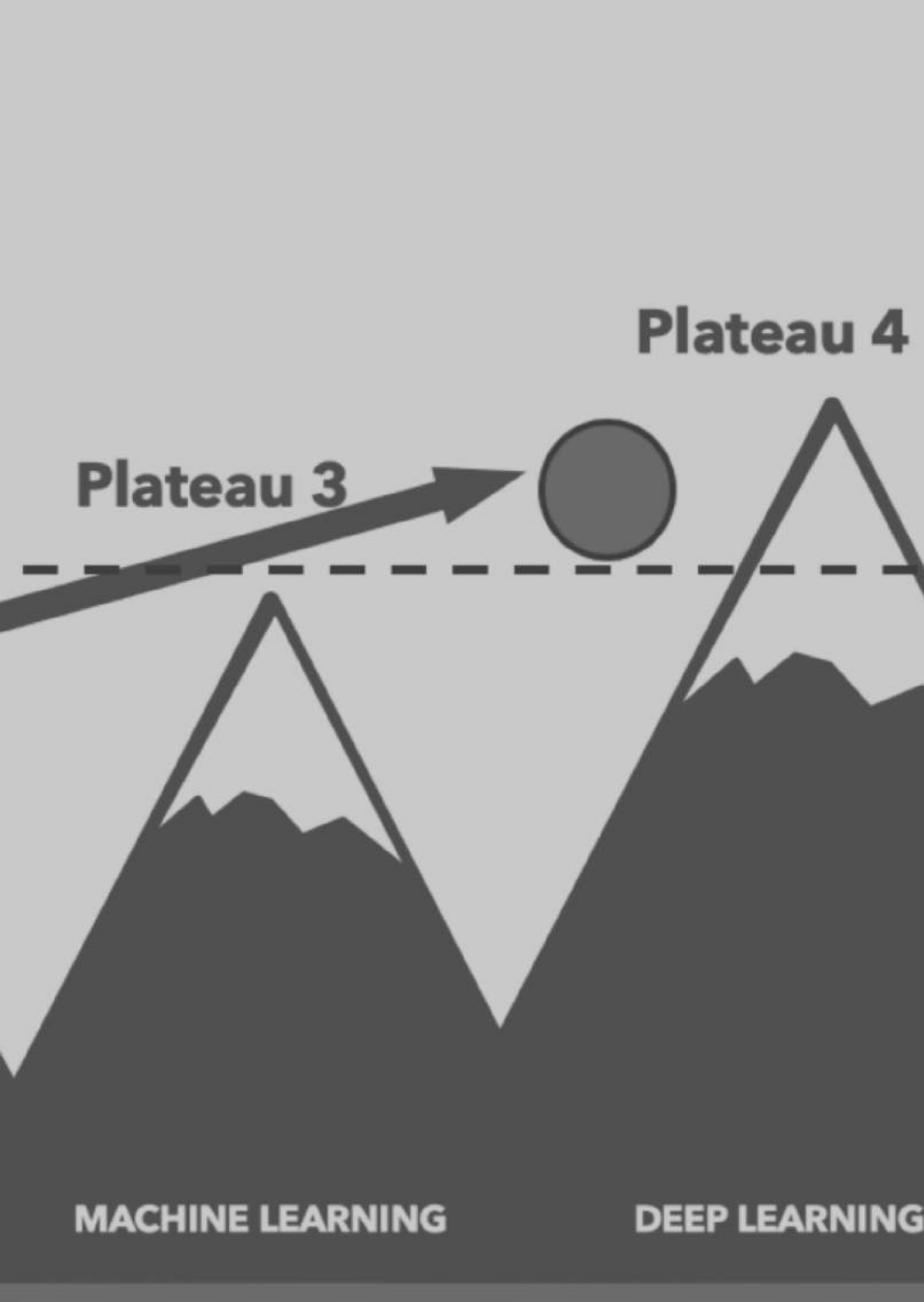
Three pillars to AI Success

AI Maturity

AI Skills

**Data-driven
ROI Projects**





AI Maturity

In order to achieve sustained AI transformation, companies will need an objective assessment of their AI Maturity.

Towards a sustained growth path to AI transformation companies need to focus on this key element : **“cross-functional”**

This cross functional strategy will lead to true exploitation of data across various streams, governance and justification of the tech investments.





AI Skills

Without your own pool of talented AI managers and engineers you may be flying blind.

Having a balanced in-house expertise in AI skills and techniques can save companies millions.

Invest in your existing workforce by upskilling them in emerging techniques as well as "right selecting" talent from outside to build your Machine Learning labs or departments.





AI Projects

Executing ROI-driven AI projects are the best way to validate your direction setting.

The proof of the pudding is in eating it – a true measure of your success will be in identifying minimum-viable projects that have potential of a multiplier effect.

This approach will foster entrepreneurial, VC like mindset to set a premium on projects that bring return on investment. Developing and moving these into “AI Value Map” will allow for for inclusion in global projects portfolios.





03



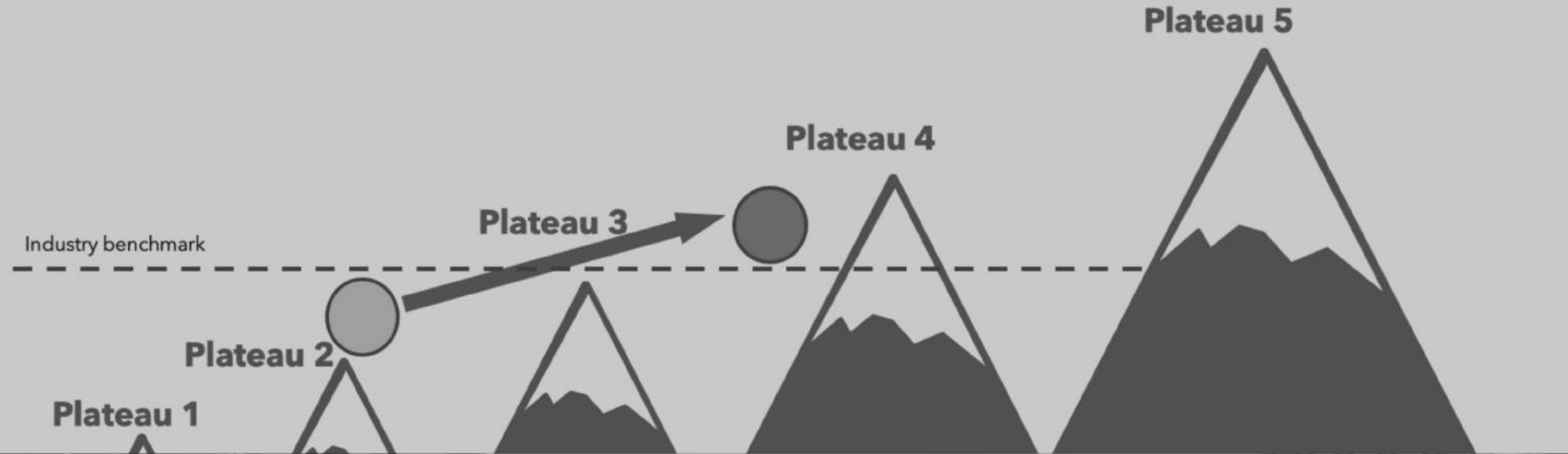
Section Four

- How to become an AI Company



How to get there

A robust AI maturity model, talent pool trained in latest AI tools and techniques and running ROI-driven AI projects is key to becoming an AI company.



#1 Client Story

AI Maturity

Making objective assessment of where you are in your journey is critical. Find the right balance between economic benefit and maturity level is second. Drive sustainable AI automation at scale will follow.

Without a robust AI Transformation Value Blueprint, you may be flying blind.

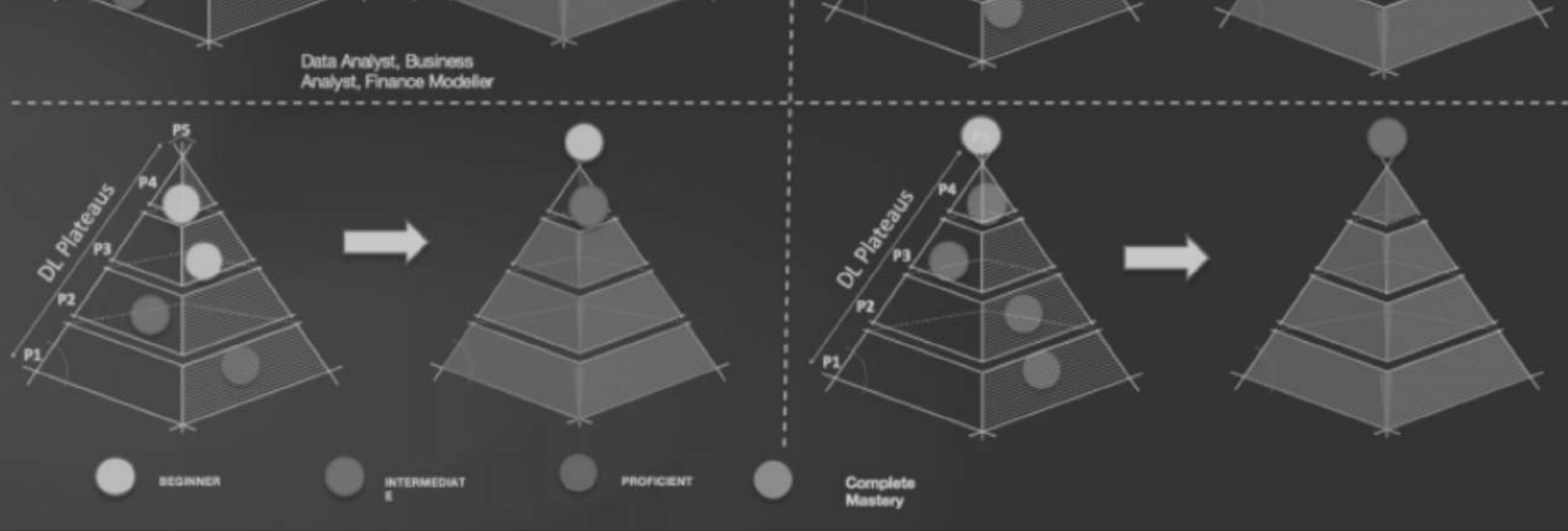
Client's Challenge

- Uncapitalized opportunities in data analytics
- Unclear visibility of talent pool and AI skills in general
- Silos WoW - Way of working focused on departmental goals only
- No visibility into the right-fit model for economic benefit from AI.
- No "AI Value Map" in place to drive change.

What we did

Help identify and develop levers - both at org as well Structural level to establish mandate for the program.





#2 Client Story

AI Skills

Finding talent, upskilling them and finally giving your Machine Learning Team a home is the only way for sustained AI success.

Without a skilled workforce, companies stand at risk of becoming irrelevant in the AI economy

Client's Challenge

- Random Big Data, IoT, AI and ML projects
- No clear visibility of skill-sets in-house vs external consultants
- No stewardship on AI skills and data governance
- No in-house "ML/AI Hub"
- No visibility in IP generation, skills development or employee retention

What we did

Help identify talent across the company, develop training program for AI skills, measure and report evolution / transformation of in-house staff to AI skilled workforce.

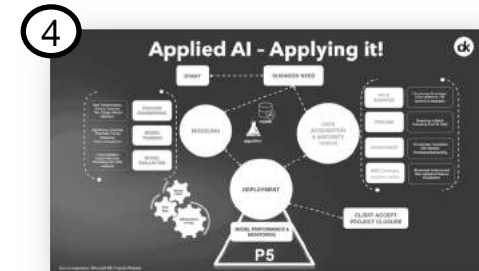
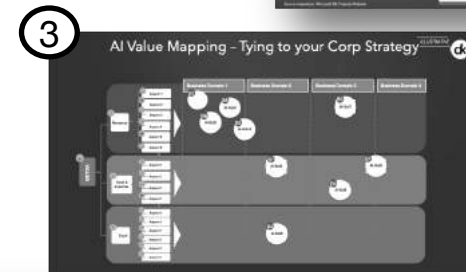
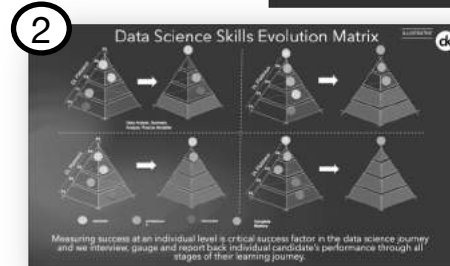


Client stories - Enable global Telco towards AI competence

Showcase Training Services

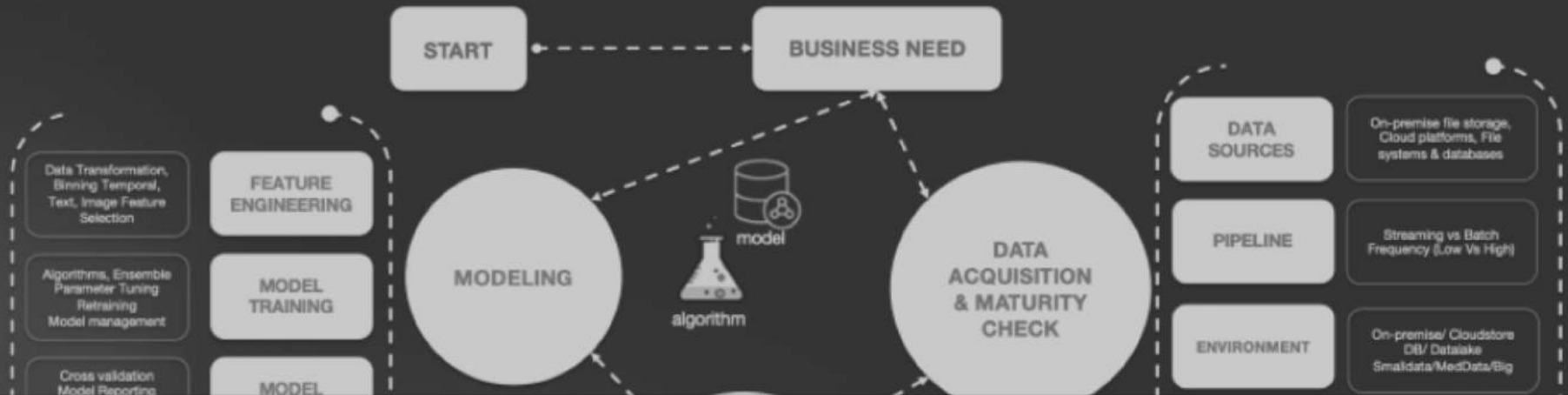
- ① Setup full-scale blended learning training program.
- ② Continue to report on skills evolution matrix based on a few hundred data points.
- ③ Create business plans for some 20+ AI solutions worth €2.5Bn
- ③ Develop a first version of "AI Value Map" per business domains.
- ④ Develop methodology for production use in IT

Economic Value



8 Months program

Applied AI - Applying it!



#3 Client Story

AI Projects

Develop product and solution mindset right from the start. This will help monitor levers for Return on Investment and true business value.

Executing tangible, ROI data-driven AI projects can lead to insightful and commercially successful projects.

Client's Challenge

- No skilled workforce in place.
- No visibility into medical datasets.
- Reasonable to good domain level of medical domain understanding
- Lack of infrastructure for specific Deep Learning tools and techniques.

What we did

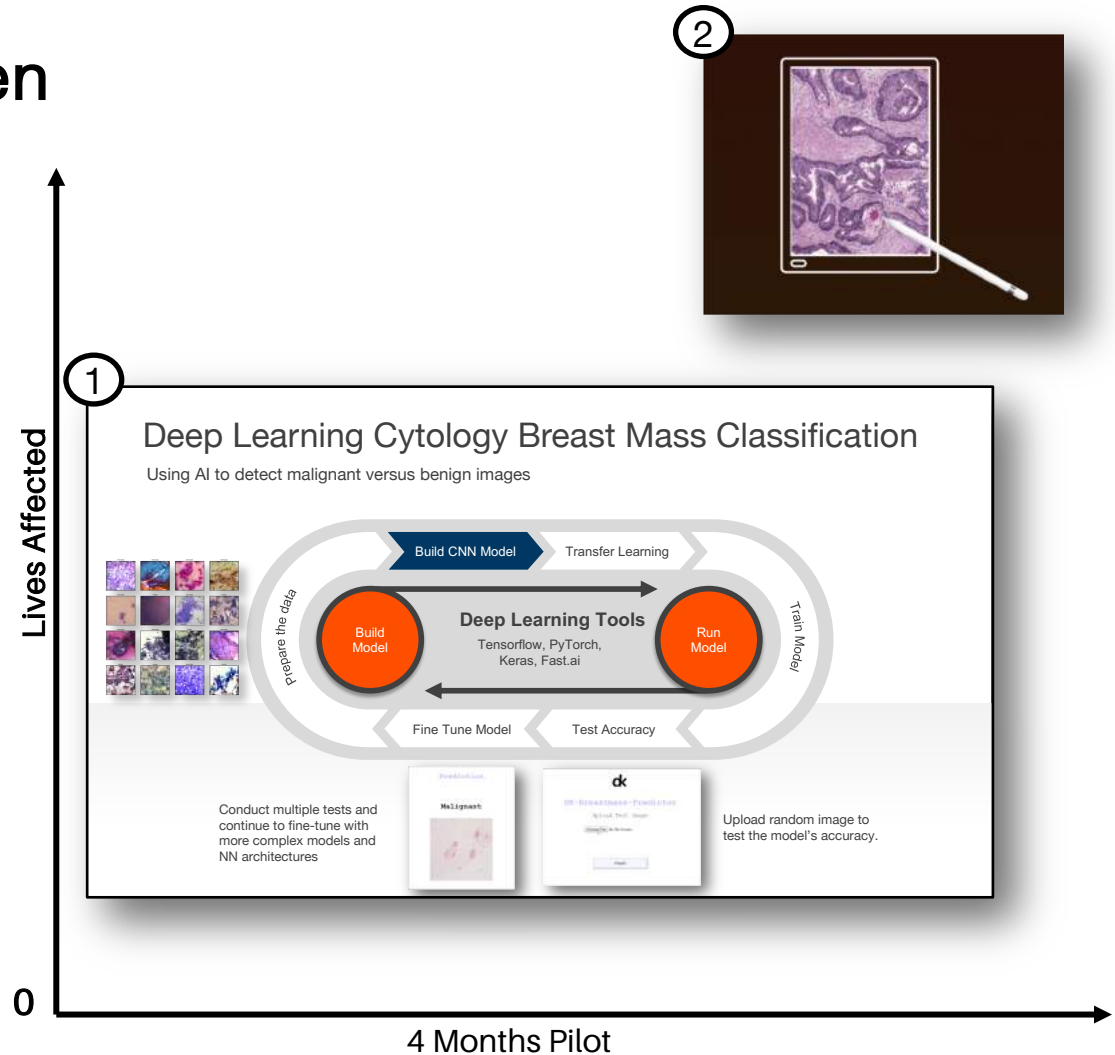
Our AI researchers developed a data collection strategy to organize data, experimented with various Deep Learning architectures, tools and techniques and even built a prototype for experimental use by Doctors*



Client stories - Breast cancer AI prototype

Impacted thousands women already with telemedicine

- ① We organized the data and did thorough pre-processing to make it ready for AI system.
- ① We developed and trained the model using various niche deep learning tools and techniques.
- ② We developed a working prototype that scored already ~82% accuracy for a very small dataset.





04



Section Two

- Our Growth Story

Management Team



Tarry Singh

Chief Executive Officer



Foke S. Van Der Helm

Chief Operating Officer



Jie Mei, PhD

Chief AI Officer & Head of Learning

deepkapha.ai is one of the fastest growing AI & Deep Learning start-up in the world. Having trained already over 20.000 professionals worldwide, it's ambition is to train and enable 100.000 data science engineers worldwide by end 2019.



AI Engineering Solutions

Our Services

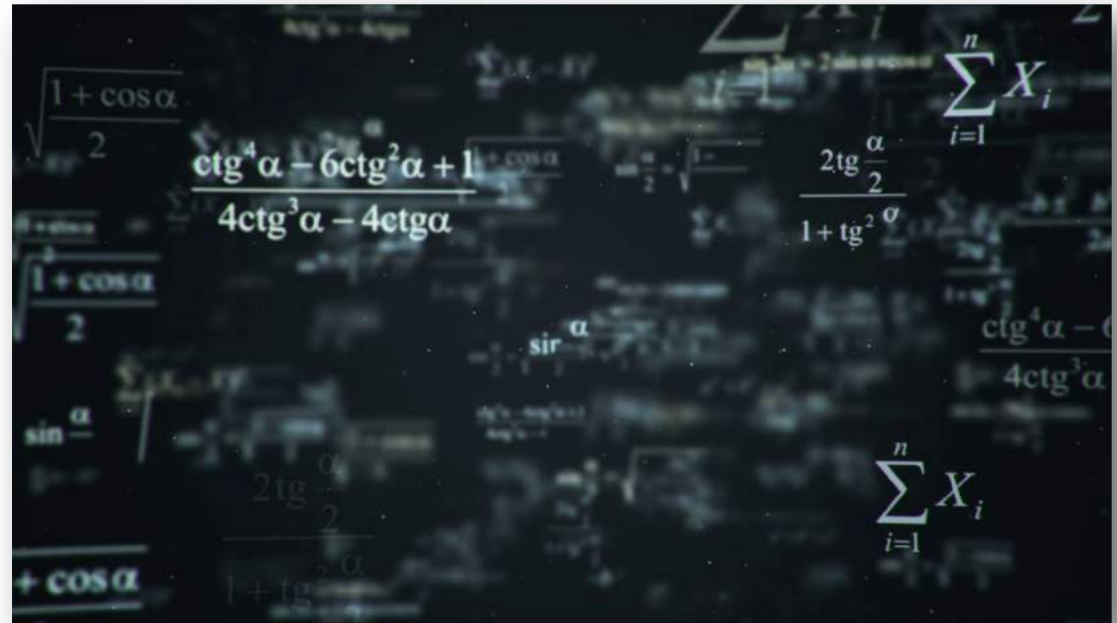
- We provide a comprehensive AI / Deep Learning training Services for enterprises, communities as well as for educational institutions. These services can be customized to specific client needs but are generally weekly, monthly, half yearly or yearly services.
- We carry our complex projects for customers in various domains such as Telecom, Healthcare, Manufacturing.



AI Research Solutions

Our Services

- We provide a comprehensive AI / We have already written 2 out of 5 groundbreaking algorithms in our pipeline that will dramatically transform the AI industry.
- Our algorithms have beaten the industry standards and are already being put to use in the industry areas such as Healthcare, Manufacturing, Telecom, Automotive etc.



Growth trajectory so far...

- Team of 23, Patents File Pending
- Leading AI startup
- 20+ projects & 20000 trained!

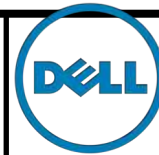
- ~ \$100 Revenue Run rate

2018

2020

2022

- Steady Growth
- SW + HW Play (CogAI + HPC Computing)



2017

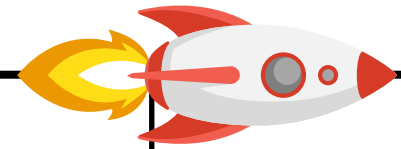
2019

2021

- Team of 1, A few ideas,
- One project & 12 Trained

- Team of ~200
- Private community of 1000 top talent
- >100000 to train & Raising Capital

- IPO?



Some metrics

500.000+

Access to data scientists
via global partnerships.

120.000+

Our AI followers worldwide

22.000+

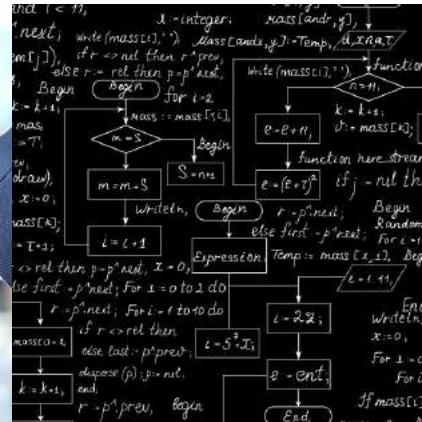
Professionals trained

20+

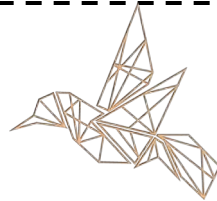
Global industry partnerships

5+

Unique Algorithms



Our growing partner eco-system



Re:coded



India's largest data science platform



World's largest data science platform



Re-engineering the future



Sophia-Project
Japan
1 March 2019



(Coming soon)





Thank you.

Please don't hesitate to contact us if
you have any questions

deepkapha.ai/contact

