apheris AI

Collaborate on data securely without compromising privacy

Executive Summary

apheris AI is building privacy preserving data ecosystems that empower companies to securely and privately share data

9 FTE
6 PhDs

Who we are

- Leading Start-up focusing on federated and privacy preserving machine learning
- Team of world leading entrepreneurs, engineers and interdisciplinary scientists

What we do

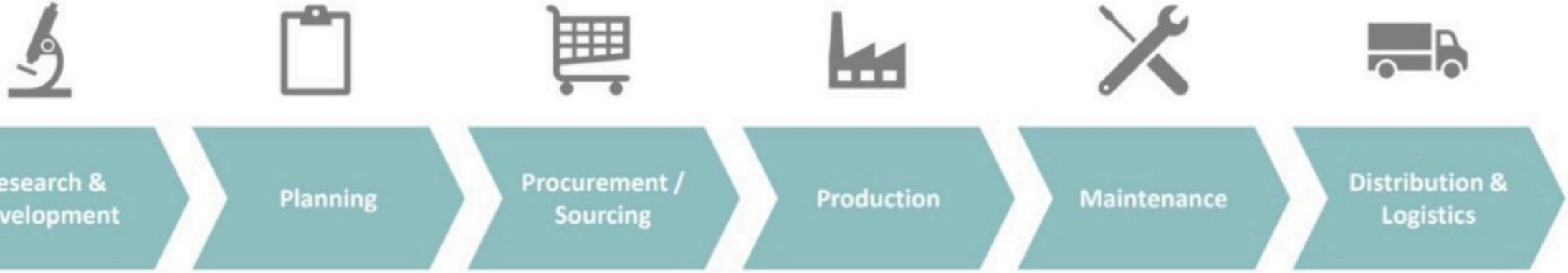
- Provide technical solutions that empower companies to share data while preserving the IP
- Customers include the largest pharmaceutical, industrial and chemical companies

Why we win

- Unique positioning in multiple markets
- Proven and profitable SaaS business model
- **Stunning early traction!**

We are raising EUR 2m to build out our core product and ramp up Sales

AI usage on the rise, transforming every aspect of the modern enterprise

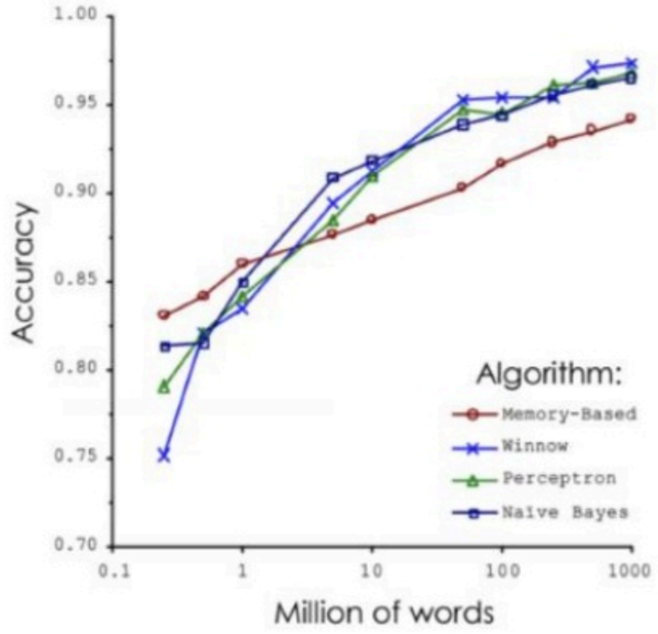


Exemplary AI use cases

Research & Development	Planning	Procurement / Sourcing	Production	Maintenance	Distribution & Logistics
• Component design • Structural properties • Mixtures & Formulations	• Resource optimization • Prize optimization • Regulatory assessment	• Supplier Risk management • Strategic Sourcing • Supply chain optimization	• Process optimization • Robotics • Quality inspection • Industry 4.0 / IoT analytics	• Predictive Maintenance • Lifecycle management	• Process optimization • Robotics • Driverless distribution • Targeted Sales

AI is only meaningful if you have enough data

The unreasonable effect of data: size of data matters far more than the algorithm itself



Learning curves for different AI algorithms – final accuracy of model in dependence on size of training dataset[1]

Companies need large and diverse datasets to do AI

1. Banko, M. and Brill, E., "Scaling to Very Very Large Corpora for Natural Language Disambiguation"

We are building privacy-preserving data ecosystems that empower companies to unlock new AI opportunities

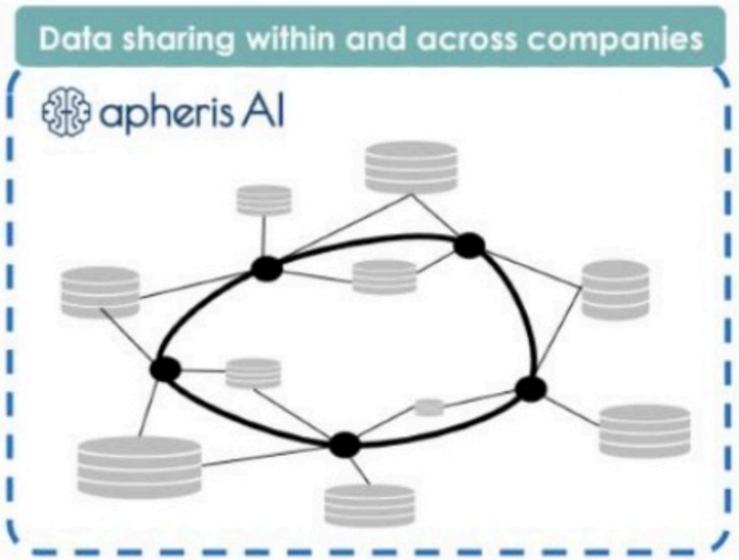
Today: data analysts are limited to own centralized data

Data Analyst

Own central data

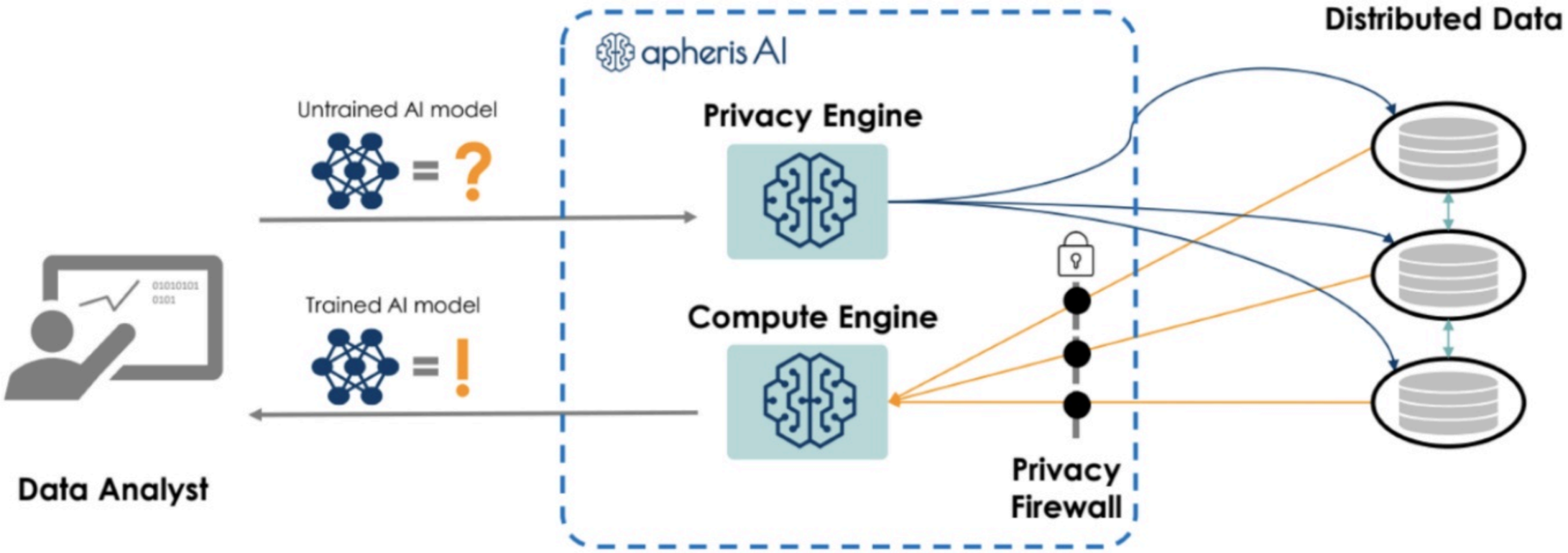
Future with apheris: privacy preserving data ecosystems within one company or across several companies

Data Analyst



Privacy-preserving data ecosystem

apheris AI empowers companies to train AI models on distributed data while fully preserving data privacy



Computations are executed locally – data never leaves the local environment and data privacy is preserved throughout the entire process

Our biggest achievements: our technology already empowers R&D breakthroughs for the world's largest enterprises

Closed deals with leading enterprises

In less than 1 year, we closed multiple year contracts with leading enterprises.

Key privacy provider for COVID-19 apps

We develop core privacy technology for large contact tracing initiatives.

Multiple paid pilots and a massive pipeline

E.g., paid pilot for edge-based computations. Very strong pharma & chemistry pipeline.

We are raising EUR 2m to build our software core and empower R&D breakthroughs via data ecosystems

- ☑ Hire world class team
- ☑ Build out data ecosystems
- ☑ Flexible core product for enterprise

We are a team of 10 leading experts at the intersection of data privacy, cryptography and biomedical data science

Our Co-Founders:

Michael, PhD
CTO & Co-Founder

Michael studied Physics and Computer Science and is an expert in distributed computations. He built digital solutions with BCG & BCG DV.

Robin
CEO & Co-Founder

Robin studied Medicine, Philosophy and Mathematics and is an expert in mathematical theories for data privacy.

Our team has learned from the best:

BCG · UBS · Google · CISPA Helmholtz Center for Information Security · Edinburgh Napier University · Imperial College London · AstraZeneca · BCG Digital Ventures · VISA · Bayer · Technische Universität München · RWTH Aachen University · Fraunhofer

apheris AI

Inspired by Complexity
Driven by Impact

For more information please contact us!

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