



algorizmi.io

The Next Gen of AI Infrastructure Management

Problem Statement & Market Demand

Complex Deployment

Researchers & startups face difficulties accessing a necessary AI-ready infrastructure that offers outstanding performance and reasonable pricing.



Vendor Locked

Current orchestrators won't support other cloud providers , ex SageMaker manages only AWS resources , Vertex AI manages GCP , etc

AI Demand vs. Supply

Increasing demand for AI across diverse sectors versus the limited offerings of high-performance GPU computing resources based in KSA, plus inefficient GPU utilization,

Data Security

Standard Kubernetes deployments have vulnerabilities, which hinder the deployment of government sensitive project

Our Key Differentiators

Algorizmi is the 1st cloud orchestrator that enable cloud provider to offer ML training cross vendor platform

SaaS Infused

Our orchestrator will be software as service model which will enable customers to pay for what they use



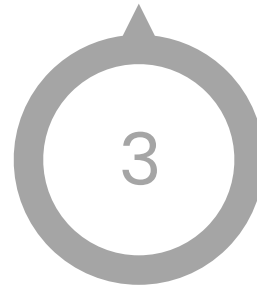
AI Plug & Play

Algorizmi orchestrator will simplify the deployment of AI use cases, by abstracting away the underlying complexities associated with configuring and managing ML infrastructure, plus effectively manages resource utilization, particularly in terms of GPU usage



Technology Sovereignty

We'll offer in-border air-gapped infrastructure orchestrator that can manage & maintain sensitive high availability AI governmental projects



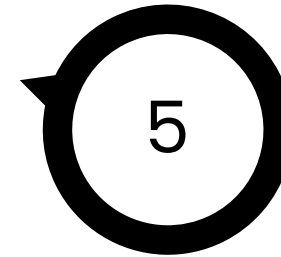
Lego of AI

Algorizmi proprietary micro-service architecture supports highly customization need for quick turn use cases around and introduction of new features



Hardware Agnostic

Our next gen orchestrator will be the truly first cloud & chip agnostic offering in the market, enable datacenter and telecom companies to diversify their solution and avoid locked-in situation that specific vendors pushing them towards it



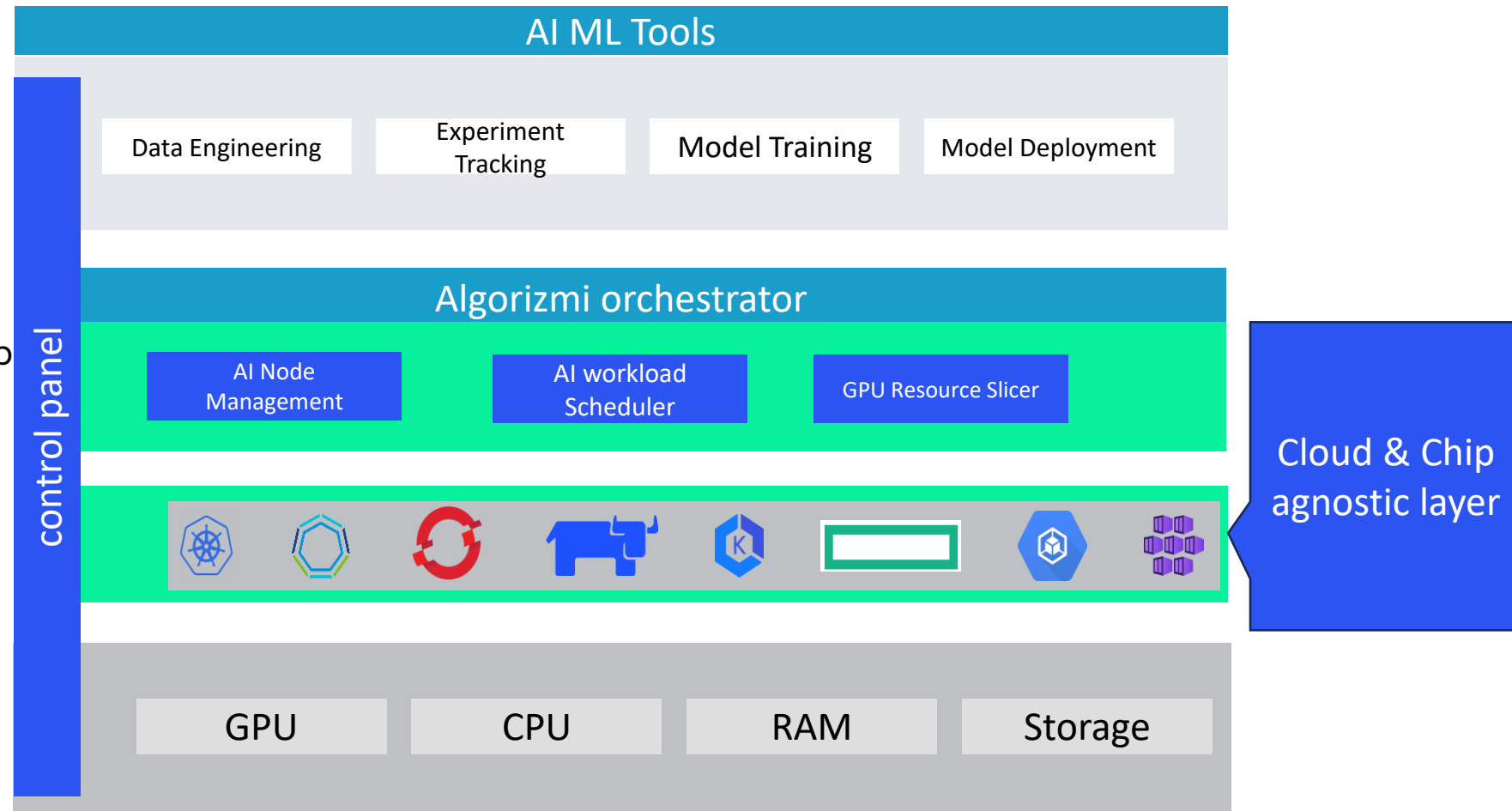
High level Architecture

Algorizmi orchestrator simplifies ML deployments by managing infrastructure complexities, ensuring seamless resource access.

It enhances resource utilization by enabling GPU slicing feature, optimizing costs, and maximizing job throughput.

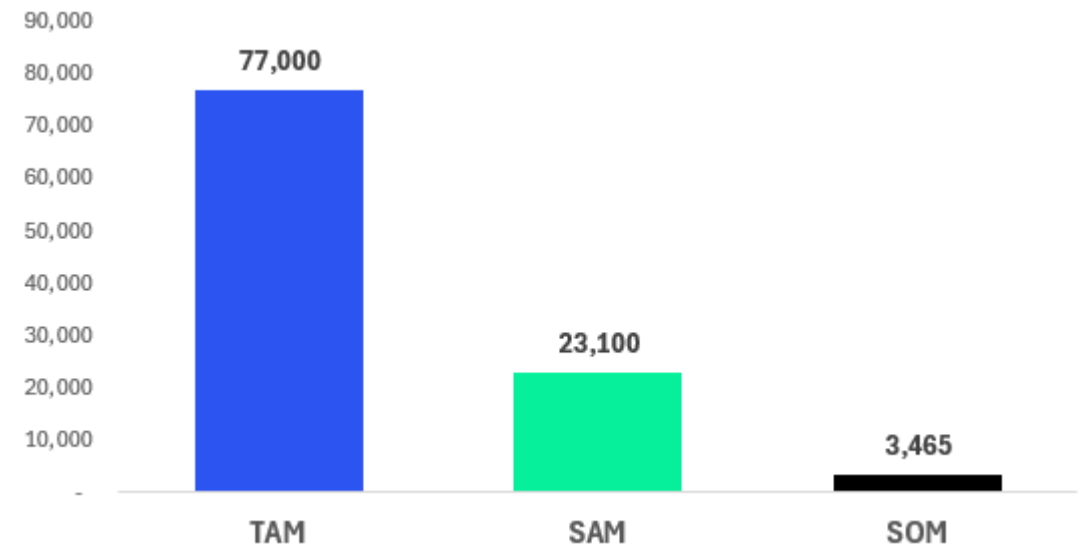
Additionally, it automates tasks to scale operations efficiently.

This ensures efficient, secure, and scalable management across all stages of the ML lifecycle.



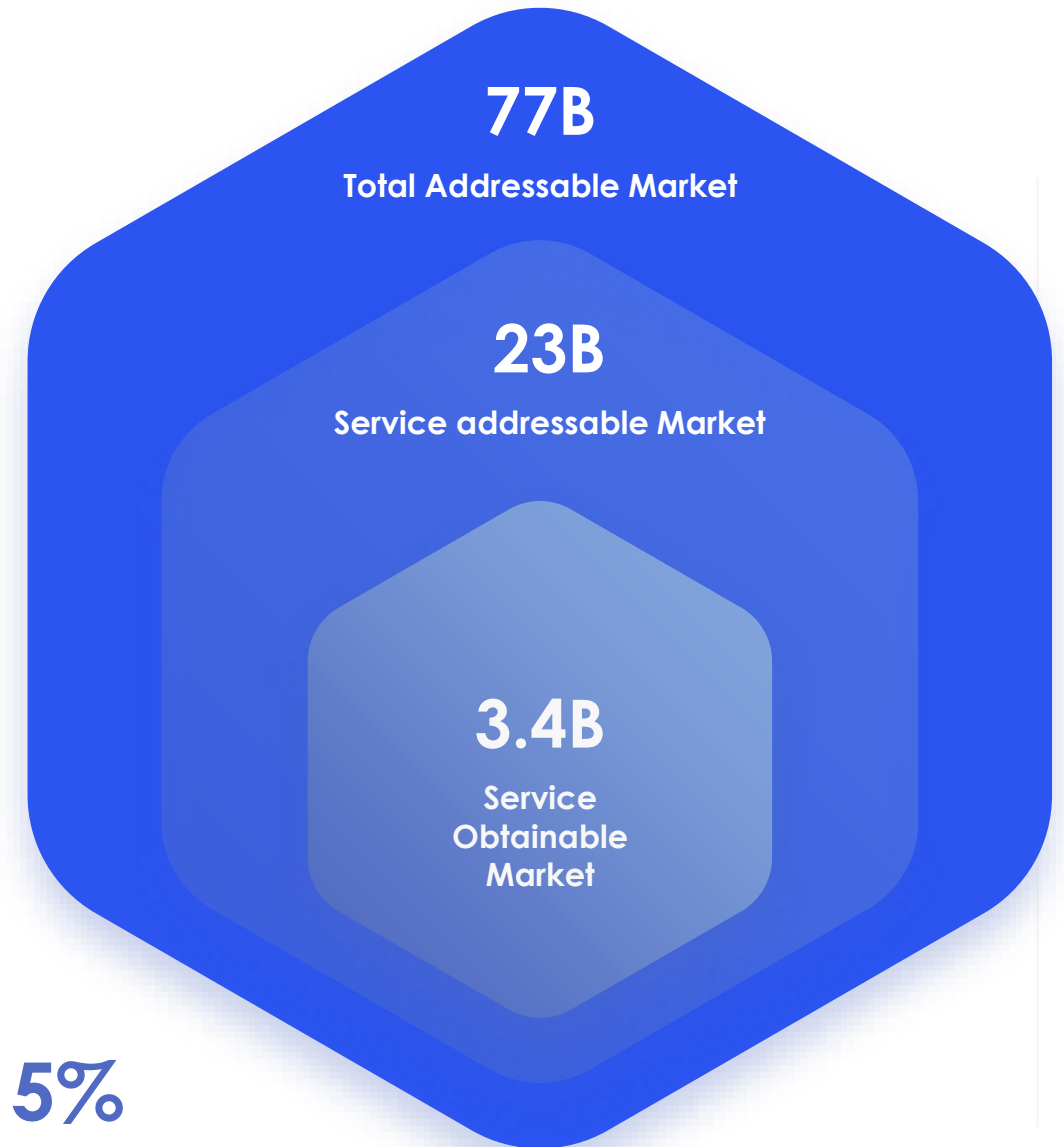
Addressable Market – KSA

- Global cloud orchestration total addressable market (TAM) expected to grow 21% YoY to reach \$77B by 2030 ,
- Cloud orchestration in APAC managed services is estimated around 30% service addressable market (SAM)
- Algorizmi orchestrator platform will be capable of capturing no less that 15% of total orchestration market service obtainable market (SOM)
- Total addressable Market: \$77B
- Service addressable Market: \$23B
- Service Obtainable Market: \$3.46B



Market Size

- Global cloud orchestration total addressable market (TAM) expected to grow 21% YoY to reach \$77B by 2030 ,
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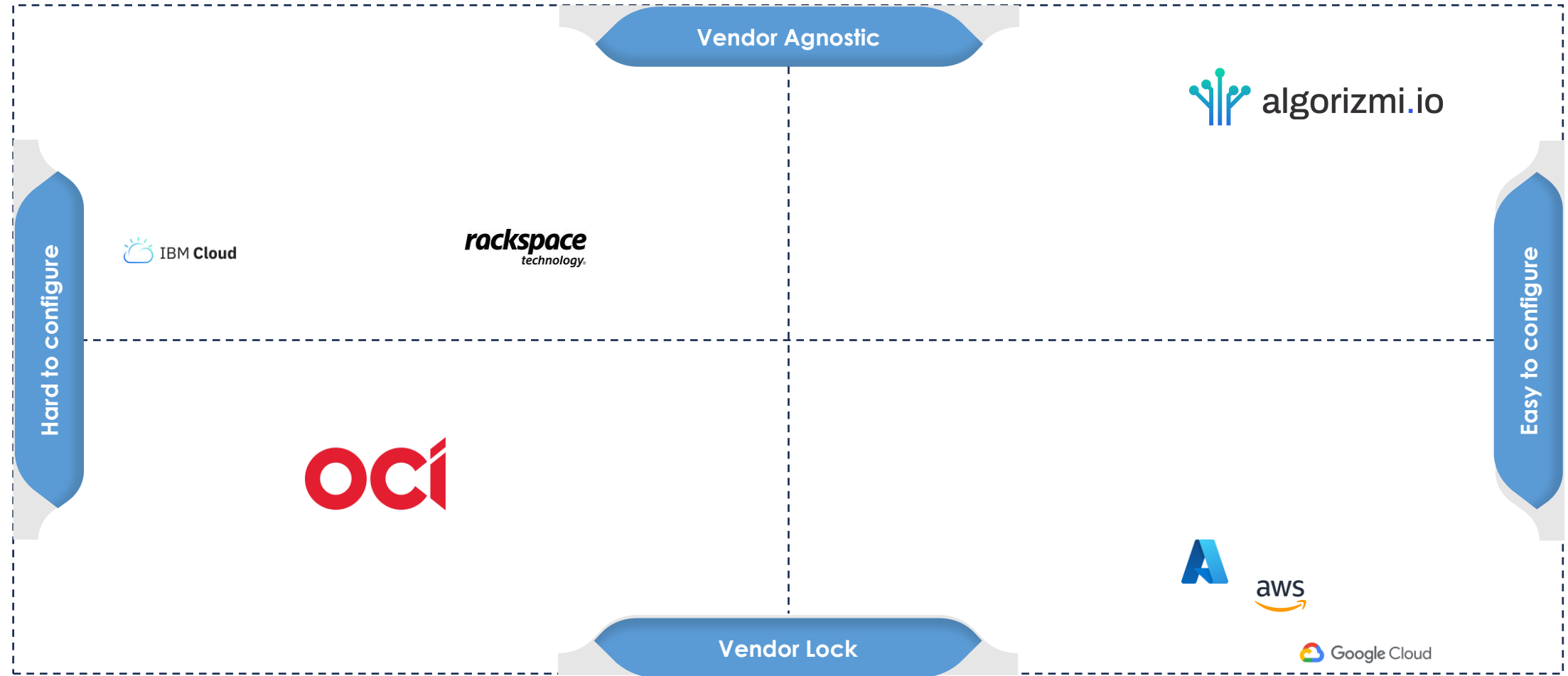


TOTAL MARKET SHARE: **15%**

Competitor Analysis –global

Vendor	Orchestration Platform	Advantages	Disadvantages	GPU Slicing	Aggregate GPUs	Self-Serve Orchestrator	Cloud Agnostic
SageMaker (AWS)	Amazon Elastic Kubernetes Service (EKS)	Highly scalable, deep integration with AWS services, broad ecosystem	Complex pricing structure, steep learning curve	Yes	Yes	Yes	No
Microsoft Azure	Azure Kubernetes Service (AKS)	Seamless integration with Azure services, robust security features, hybrid cloud capabilities	Integration issues with non-Microsoft products, higher cost	Yes	Yes	Yes	No
Vertex AI (GCP)	Google Kubernetes Engine (GKE)	Strong data analytics and machine learning support, automatic updates, ease of use	Smaller market share, fewer enterprise relationships	Yes	Yes	Yes	No
IBM Cloud	IBM Cloud Kubernetes Service	Strong hybrid cloud integration, enterprise-grade security, support for Red Hat OpenShift	Lagging innovation, complexity in integrating with non-IBM products	Yes	Yes	Yes	Yes

Competitor Analysis –Global



Offering & PoV results

We worked with an AI startup that processes huge numbers of requests per day.

As free proof-of –value (PoV), we orchestrate their AI infrastructure, and the result was astonishing!!

Our proprietary setup beats the current service provider they use while it's 40% cheaper than the competitor

Tier	Specs	SLA	AI use case
Bronze	64 RAM , 6 core CPU, RTX 4090 dedicated, 256GB	90%	Overnight outlier detection, fraud detection for NL app
Silver	128 RAM , 8 core CPU, RTX 4090 dedicated, 512GB	95%	NLP for customer service app
Gold	256 RAM , 10 core CPU, RTX 4090 dedicated, 1TB	98%	low latency MEC application like autonomous driving

Batch Size	Competitor Tesla V100-SXM-16GB	Bronze offering Algorizmi Nvidia RTX 4070
	Processing time	Processing time
500	0:24	0:21
3000	1:54	1:39
10000	6:17	5:45

Scalability Strategy

Our focus :

Year 1: Validate the technical feasibility of the product or service

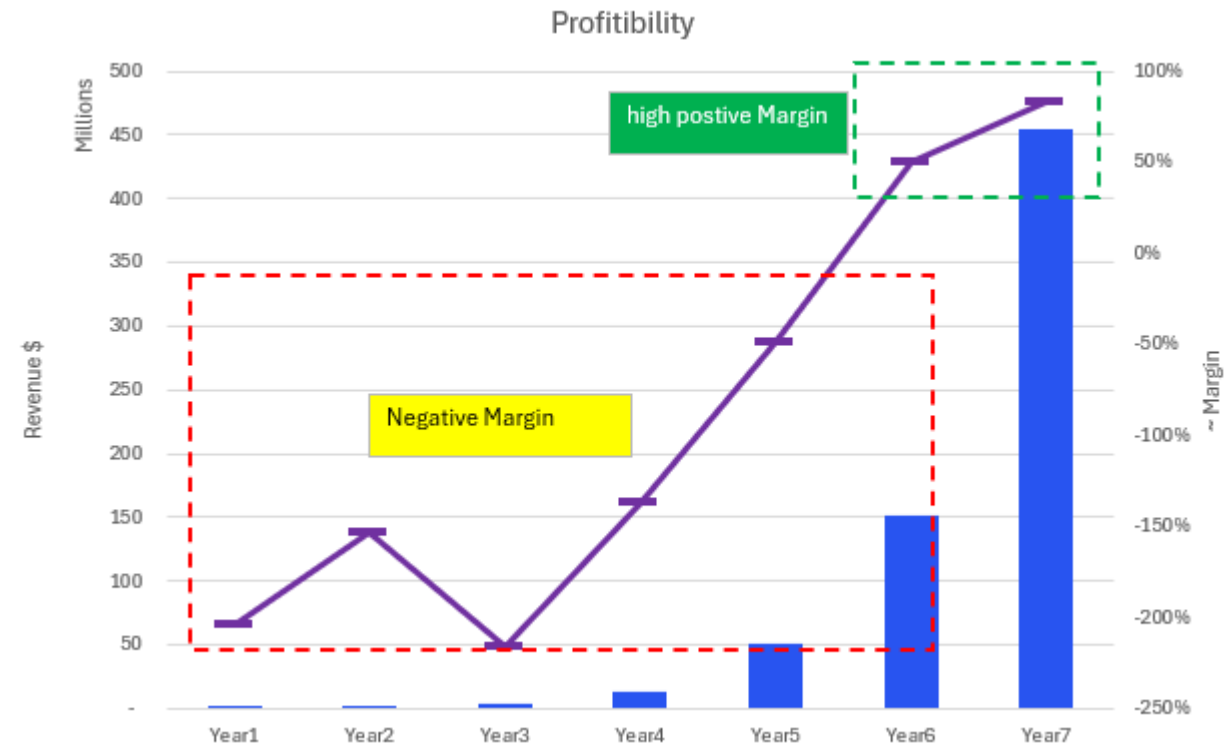
Year 2: validate product market fit

Year 3: Develop & Implement scalable GTM strategy

Year 4 : Validate the scalability of the product on larger market

Year 5 : Sustain & evolved company culture during rapid growth

We'll hit Profitability in year 6 with high margin (>50%)



The time is now

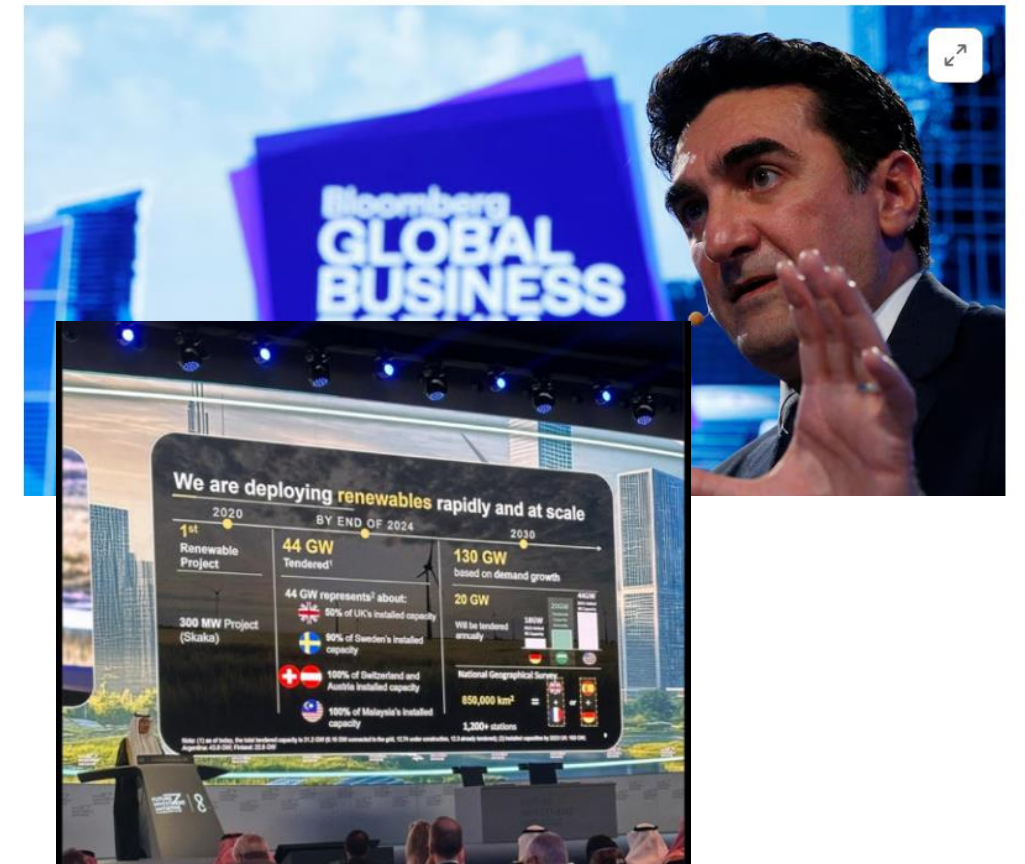
The kingdom plans to launch a \$40 billion AI fund to diversify its economy and enhance its global tech presence. The fund, guided by the Public Investment Fund and discussions with tech leaders like Andreessen Horowitz, aims to support AI startups, including those in chip production and data centers, starting in late 2024. This move underlines the kingdom's ambition to become a leading AI innovation hub outside the U.S., leveraging its financial and energy resources, in addition to that plans to tender 44GW of renewable energy project by end of 2024 to bring down energy cost of cost per kw 3.4 cents

Middle East

Saudi Arabia plans \$40 bln push into artificial intelligence, NYT reports

Reuters

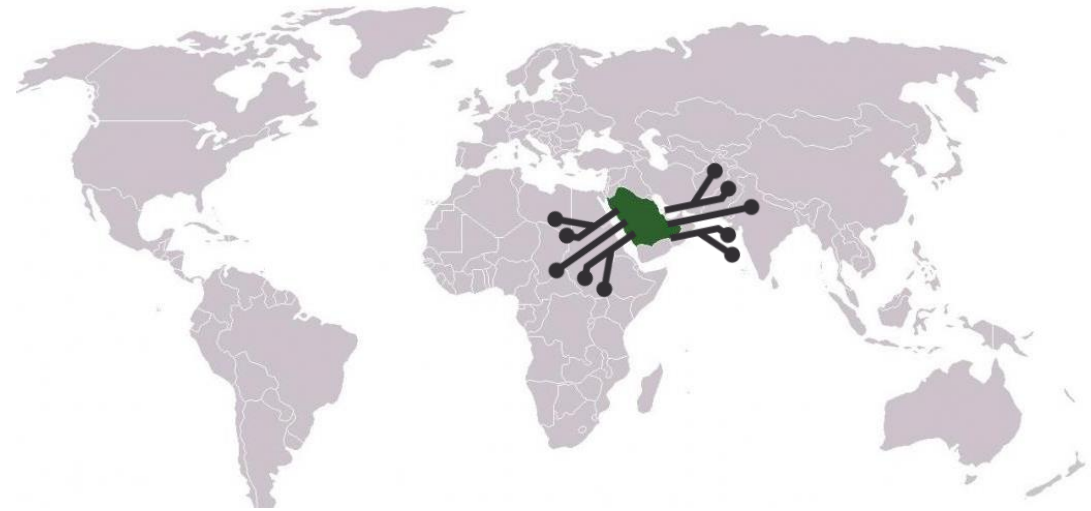
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Road to globalization

Offering native orchestration layer will enable Algorizmi to be major player in the technology industry, partnering with growing cloud providers along with our competitive offering will help all stakeholders in positioning the kingdom as go to destination for AI services in the region

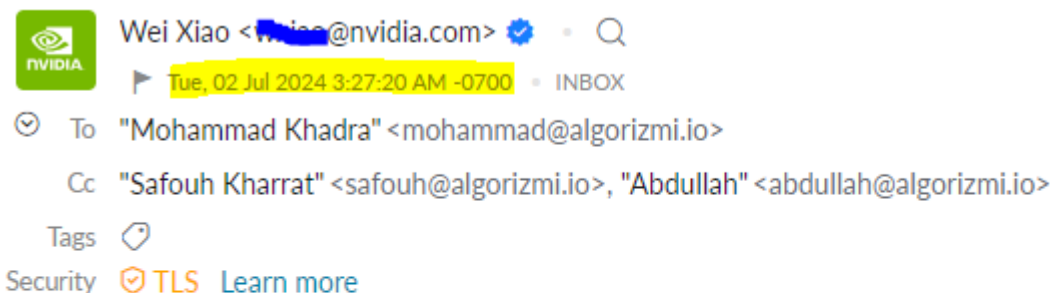
Update Oct 2024: we are in discussion with private equity in Asia to collaborate in designing new data center in Malaysia (further info still confidential)



Nvidia Sees the potential

We are in deep technical discussion with Nvidia to be their first partner with them in Saudi Arabia,

There are many other leading US chip manufactures we are in discussion with them on similar track



Mohammad, The Service partnership team is interested in a conversation with Algorizmi.

Which time zone will the Algorizmi team be in during coming week? I will facilitate a meeting.

Thanks, Wei

FEATURES | SHORT - TERM | MID - TERM | LONG - TERM

Custom Kubernetes infrastructure	☒	☐	☐
AI Containerization and Deployment	☒	☐	☐
Endpoints Integrations	☒	☐	☐
Data Management Integrations	☐	☒	☐
Multi-Tenancy	☐	☒	☐
Scalability and Resource Management	☐	☒	☐
Telemetry	☐	☐	☒

PRODUCT SCOPE

Investors will invest in ADGM holding company, which owns 100% of US & Saudi entities



Pioneers behind the innovation



Mohammad Khadra, MBA
Co-Founder, CEO

A C-level technology executive with +20 years of digital innovation, holds an MBA from Washington University, worked in multiple Fortune 500 companies like Ericsson, Verizon, and AT&T in the US, and led revenue growth projects, achieving \$105M+ in revenue.



Safouh Kharrat, VCDX³
Co-Founder, CTO

Digital transformation expert with 25+ years in IT, pioneering in VMware virtualization and cloud solutions. Holds triple VCDX certifications (highest certification in VMware), instrumental in shaping global digital landscapes



Mowafak Alkawas
Co-Founder, CCO

senior executive with 18+ years in telecommunications and ICT, excels in solutions delivery and strategic client partnerships, driving operational efficiency and sustainable growth through innovative, customer satisfaction



Abdullah Abdullah
Co-founder, CPO

Enterprise Architect at VMware for 10+, delivered over 125 projects across various sectors globally, holding 168 industry certifications and an MSc in Enterprise Architecture Management, a co-authored three books and public speaker at many global technology events



Pioneers behind the innovation



Amer Momen
Advisor

Leejam CCO, over 20 years of experience, digital transformations in Retail, Healthcare, Consultancy, and Government, enhancing E-commerce, Data and AI, and Customer Experiences to reach 1B SAR , bachelor in MIS at KFUPM, elite executive graduate from IMD, Columbia, MIT, and UC Berkeley



Dr. Emad Alghamdi
Advisor

is a university professor and AI expert in training Arabic Large Language Models. He is the founding director of ASAS Ai Lab and an AI risk consultant at KAU. He has won several research awards and grants and his scientific research appeared in top AI conferences.



Zaki Fasihuddin
Advisor

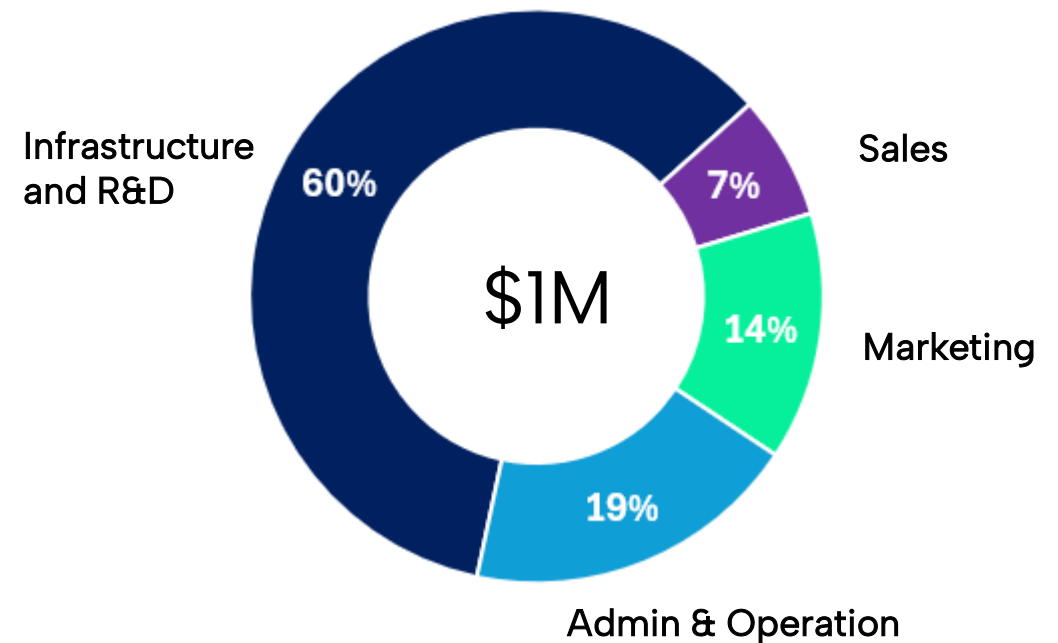
Venture Partner at Silicon Foundry with over 20 years in tech, led digital innovation at McDonald's SF Digital Hub and Volvo Cars' Silicon Valley R&D. Founded Volvo Car Tech Fund, invested in startups, and explored future entertainment at MGM Resorts. an active angel investor and educator, with a background from MIT Sloan, Babson College, and Georgetown University.



The Ask & Use of Funds

We are asking for \$1M on SAFE note at \$8.5M valuation to :

- Serve onboarded clients and existing pipeline
- Develop MVP
- Hire core team
- Validate the technical feasibility of the product or service



Thank You



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Social Media

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