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CYPRUS AI 2030: AI FOR GOVERNMENT, RESEARCH, AND INDUSTRY

Demetris Skourides

Chief Scientist of the Republic of Cyprus
Chair of the National AI Taskforce

Cyprus AI Conference



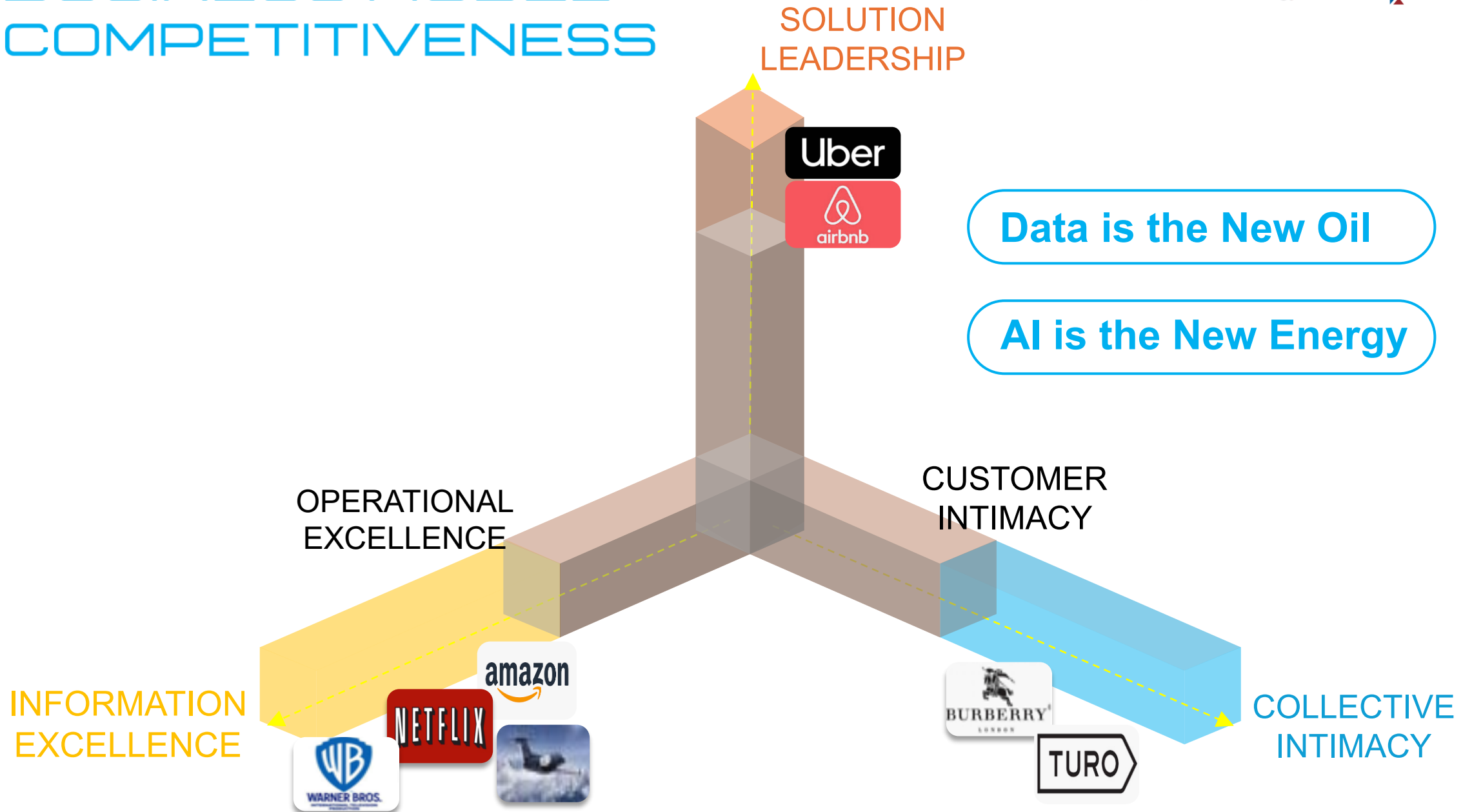
BUSINESS MODEL COMPETITIVENESS



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THE PLATFORM ECONOMY



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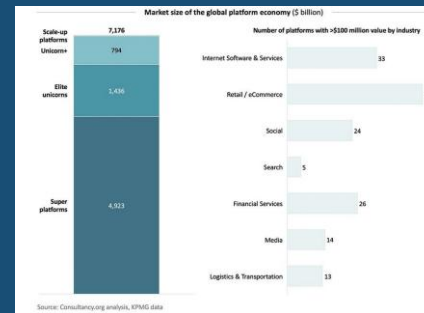


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Inclusiveness of transaction

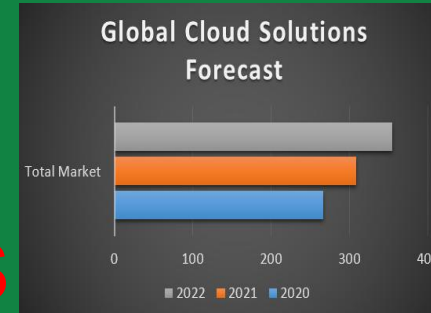
Platform
Business
Model

7T\$



Solution
Business
Model

354B\$



Product Business Model



Project Business Modelless

Customization of Offering

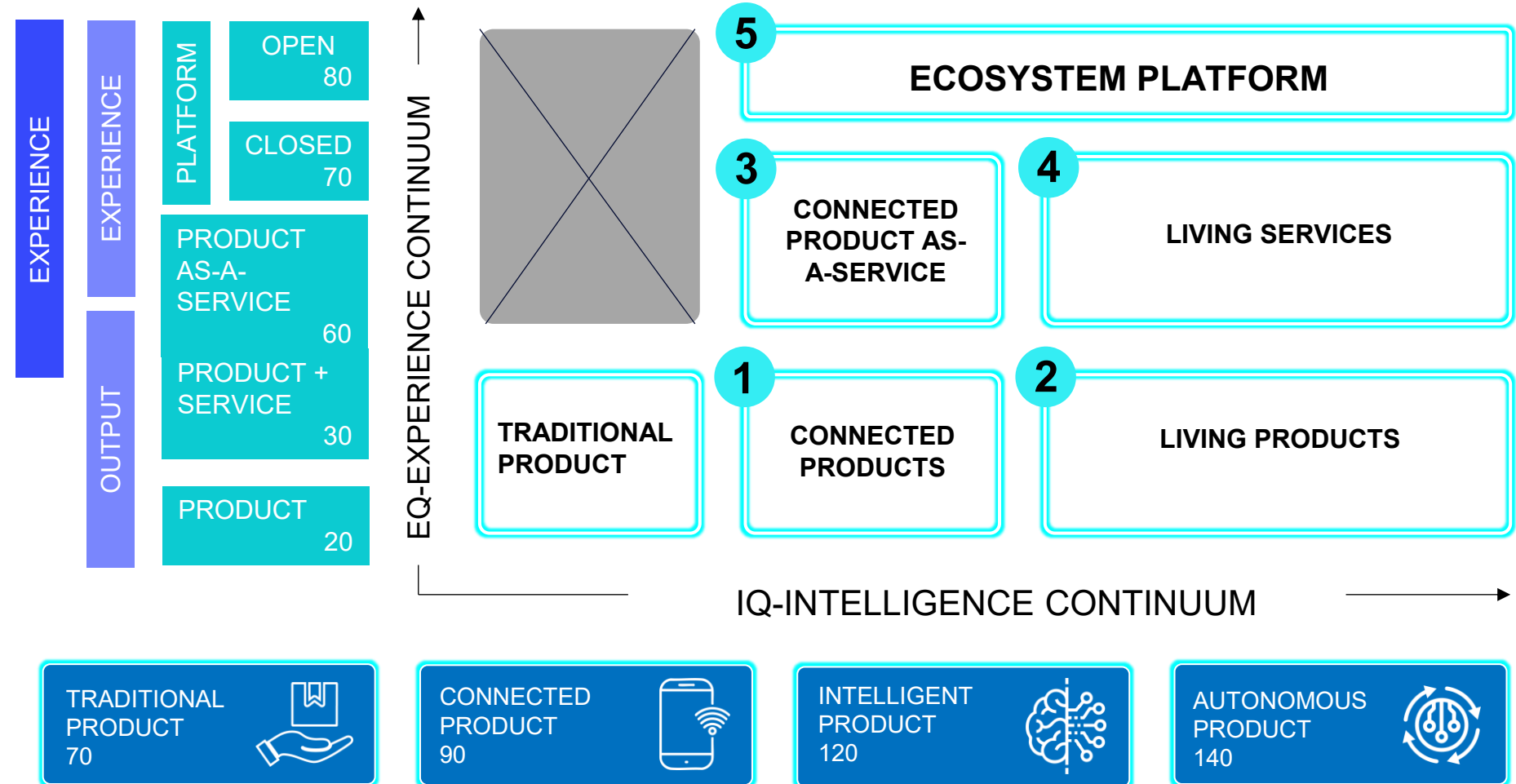
THE PRODUCT REINVENTION GRID

Experience Quotient (EQ)

measures the degree of sophistication achieved in terms of services levels.

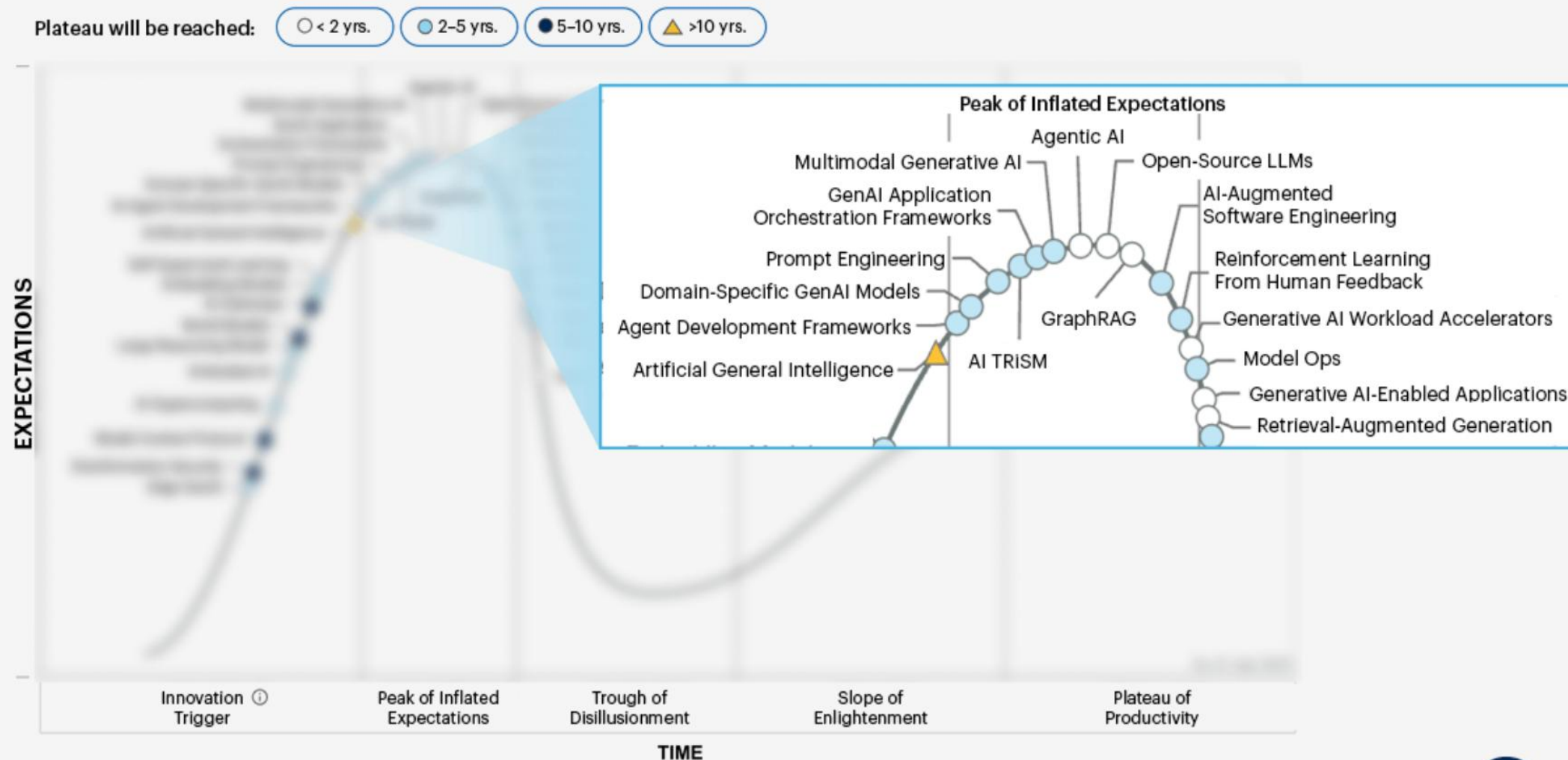
Intelligence Quotient (IQ)

measures product's degree of technical sophistication





HYPE CYCLE FOR GENERATIVE AI, 2025



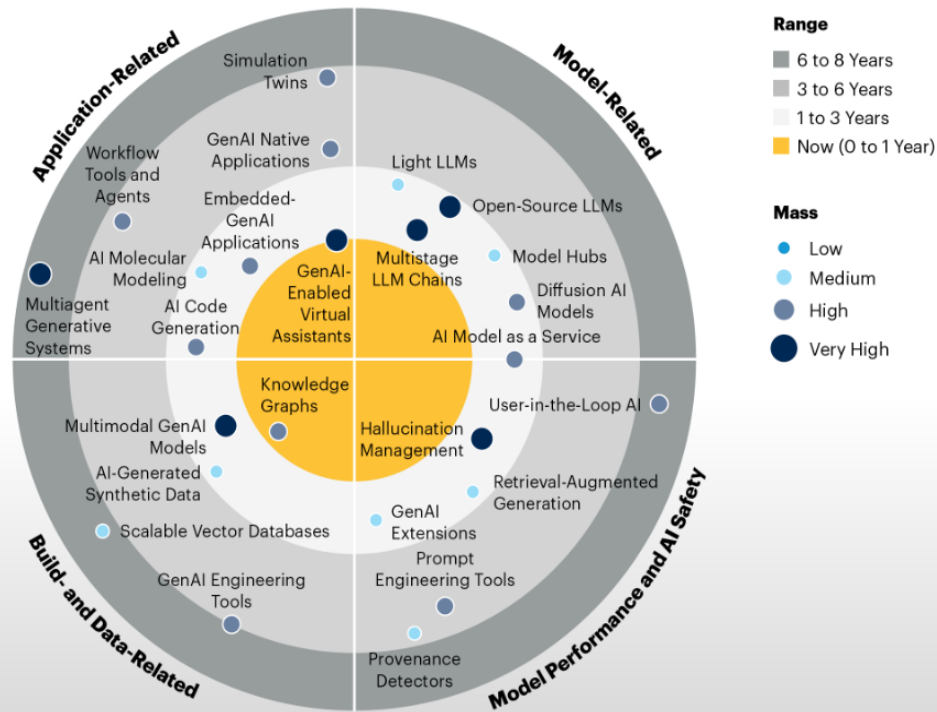
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WHAT'S HAPPENING

Impact Radar for Generative AI

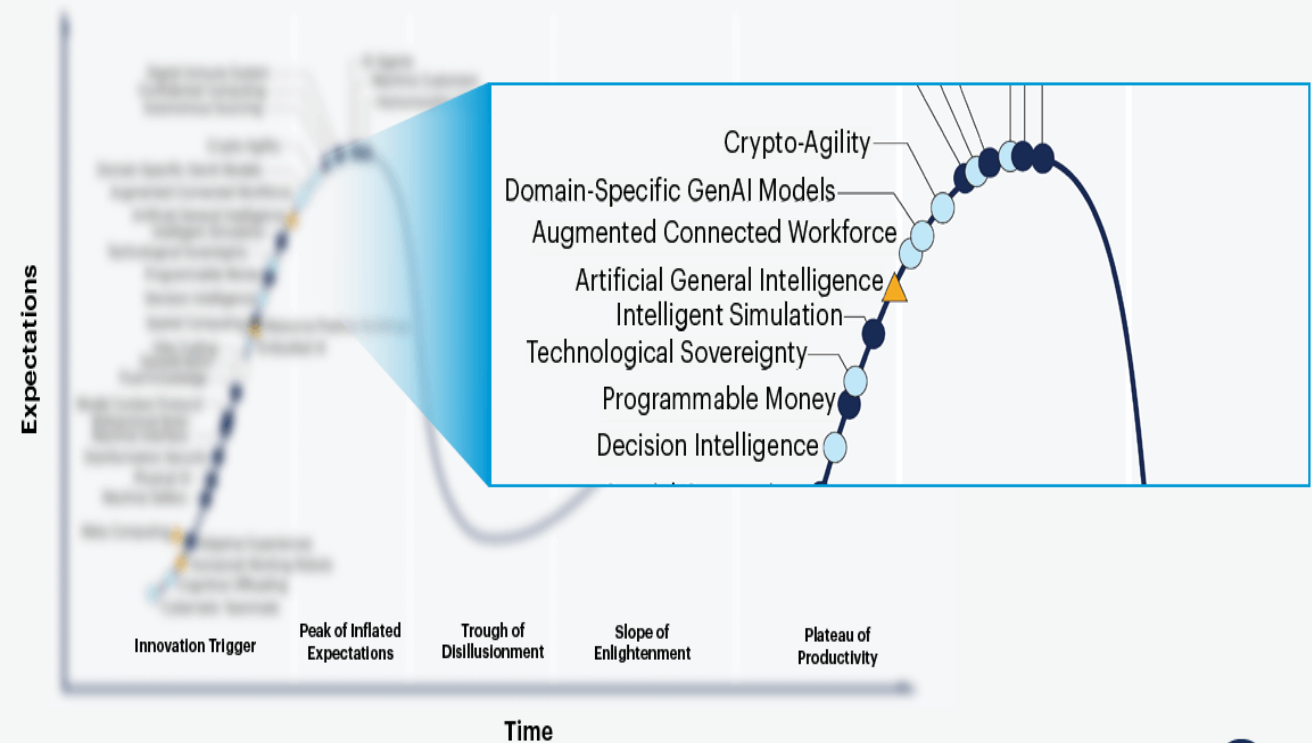


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Hype Cycle of Emerging Technologies, 2025

Plateau will be reached: ○ < 2 years ○ 2 – 5 years ● 5 – 10 years ▲ > 10 years ⊗ obsolete before plateau



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AI CHANGES EVERYTHING

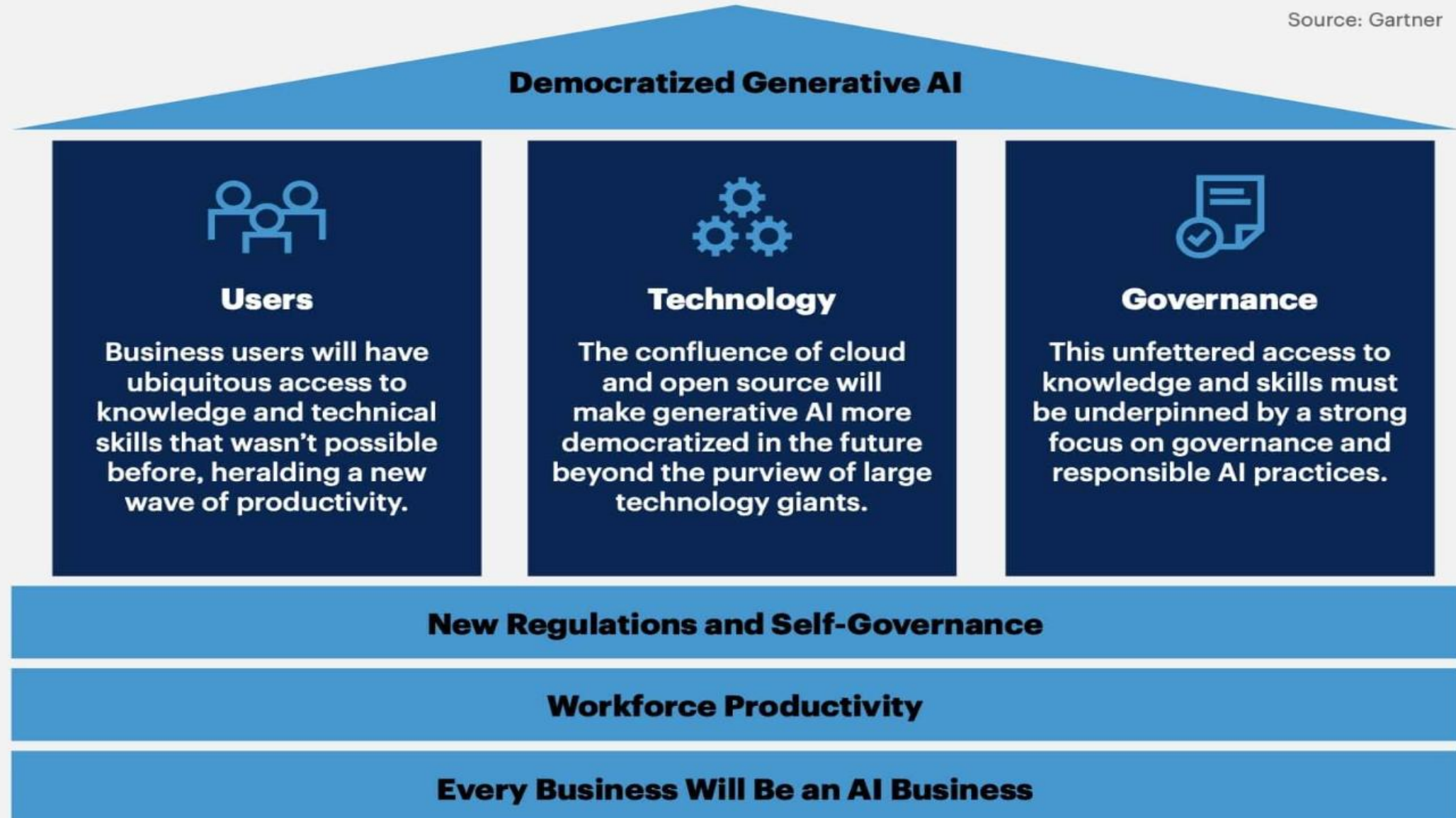


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CYPRUS NATIONAL AI TASKFORCE





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AI IN RESEARCH

NEXT GEN
FOUNDATIONS

AUTONOMOUS
TECHNOLOGY

AI IN
HEALTHCARE/VHT

SECURITY / SPACE
& DEFENCE

ENERGY ENVIRONMENT & RESOURCE
MANAGEMENT

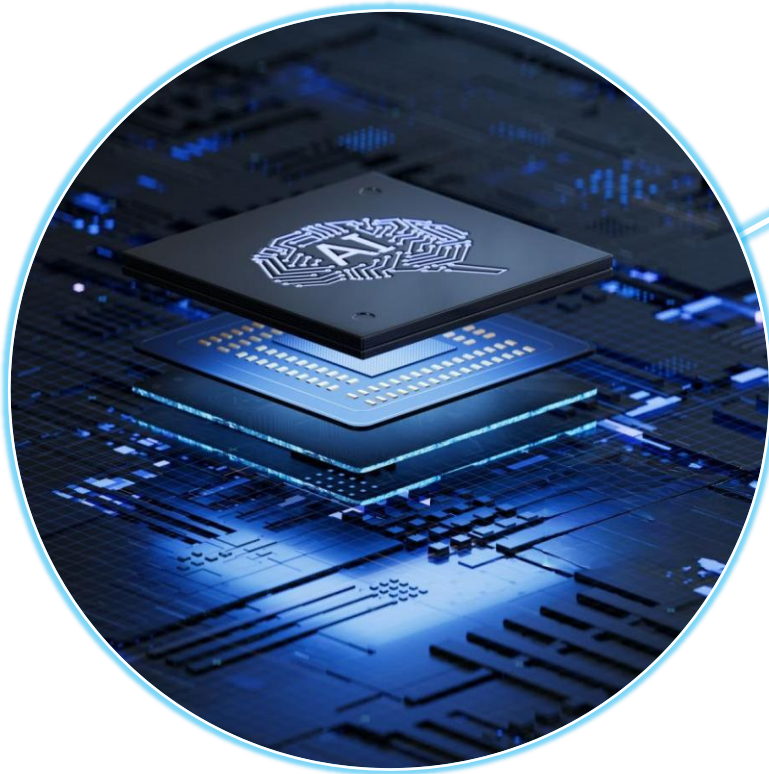
AI IN RESEARCH



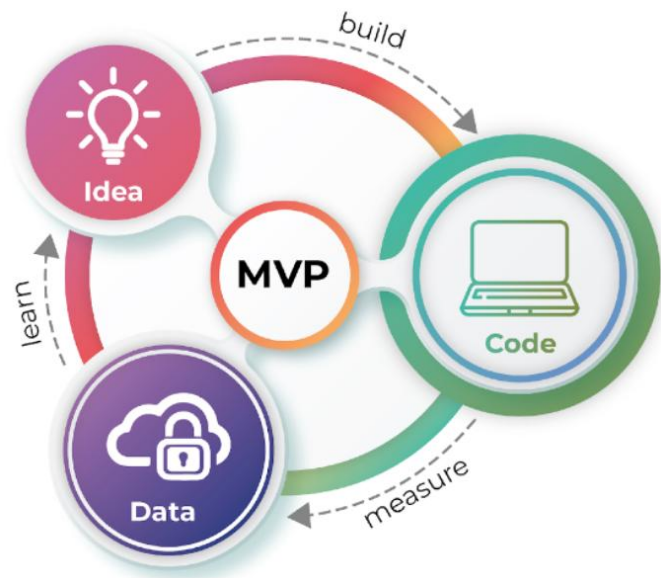
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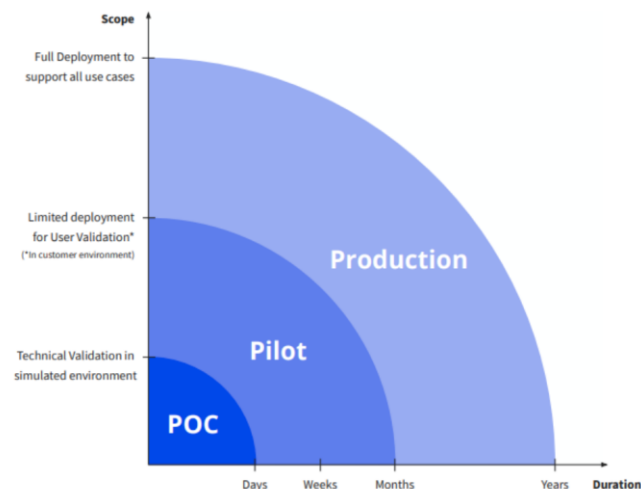
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AI 4 GOVERNMENT CHALLENGE PROGRAMME - CYPRUS



Evaluating an Enterprise Software Platform



9 months

27 months



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AND DIGITAL POLICY
REPUBLIC OF CYPRUS



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AI 4 GOVERNMENT

Government Challenges



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Early Warning Meteorological
Decision System



Student-Professional Skills
analysis and policy system



Early Warning System for
Disaster Management

UNDERSTANDING AI USE-CASES



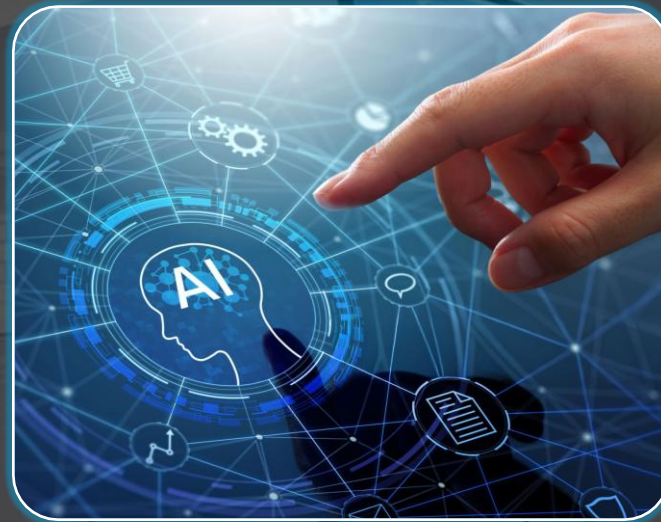
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Conversational AI
Cognitive AI



Document
Processing and
Automation



Actionable Analytics
Evidence based policy
making

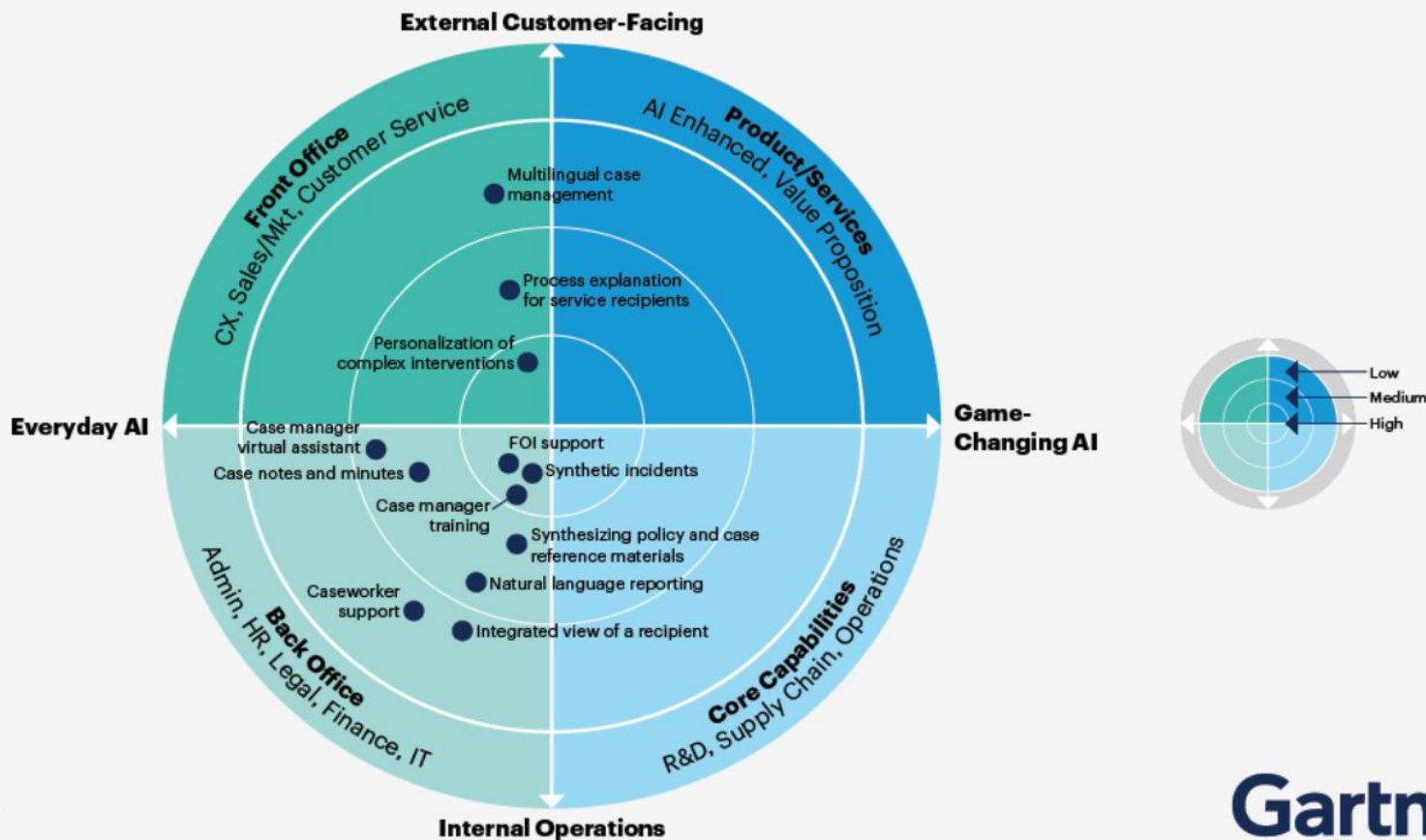
The AI Opportunity Radar populated with human services industry use cases



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RETHINKING SMART GOVERNMENT SERVICES

AI DIGITAL TOOLBOX



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Industry operational / experience accelerators

Operational & Productivity Accelerators (RPA/Agentic/MAS)

Cognitive AI & Customer Service

AI Driven Customer Engagement Platforms

Intelligent backbone

Data platforms & AI

Intelligent Cybersecurity edge solutions

Secure Intelligent API & Integration Services

AI Industry focus prioritized

Financial
Services

Legal

Healthcare

Tourism

Maritime

Cross ministerial services

X PS Use-case@1

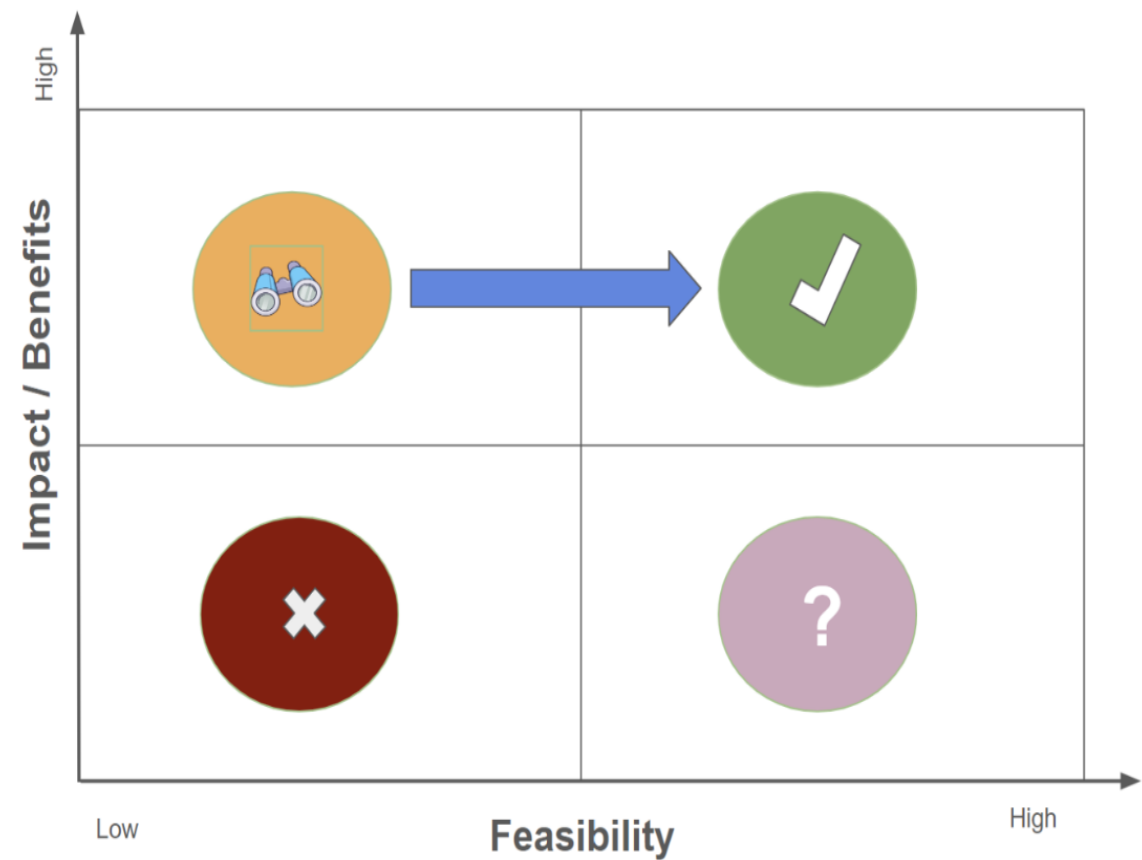
X PS Use case@2

X PS Use-case@3

X PS Use case@4

Public Sector

AI USE-CASE PRIORITIZATION



Objective	Use-case 1 (Score 1-5)
Alignment with business objectives	
Expected value	
Data availability	
Operationalization difficulty	
Risc and compliance	
Differentiation	
Stakeholder support	
Total	

AI IMPACT EVERYONE

Requires Change of Leadership, Organizational, Personal Mindset



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Requires Change of Leadership, Organizational, Personal Mindset





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AI BEST PRACTICES IN GOVERNMENT

Ethical Guidelines for AI

Implementing clear ethical guidelines ensures transparency and fairness in how AI is used within government services.

Data Privacy and Security

Protecting citizens' data is critical; robust security measures prevent misuse or breaches of sensitive information.

Staff Training and Innovation

Continuous training helps public sector workers keep up with AI advancements and encourages responsible innovation and oversight.



INFRASTRUCTURE



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CHIEF TRANSFORMATION OFFICE

LEADERSHIP TEAM





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FUTURE CXO SUITE SUPPORTING CEO

- Changing Dynamics Require a Reviewed Perspective of DATA

Is the CXO team ready for
The New Era?

Chief
Technology
Officer



Chief Compliance Officer



Chief AI Officer



Chief Data Officer



Chief
Experience
Officer

AI TEAM



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Chief Experience Officer



AI Product Manager



Data Scientist also known as Data Managers, statisticians.	Data Engineers also known as database administrators and data architects.	Data Analysts also known as business Analysts.
A data scientist will be able to take data science projects from end to end. They can help store large amounts of data, create predictive modelling processes and present the findings.	They are versatile generalists who use computer science to help process large datasets. They typically focus on coding, cleaning up data sets, and implementing requests that come from data scientists.	They typically help people from across the company understand specific queries with charts.

 AI/ML Engineer	 AI Ethics Specialist	 AI Research Scientist	 AI Solutions Architect	 NLP Engineer
 Big Data Engineer	 Robotics Engineer	 AI Data Analyst	 Data Scientist	 AI Product Manager