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AI FOR GOVERNMENT

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Chief Scientist of the Republic of Cyprus

Chair of the National AI Taskforce





Disclaimer

The content is not intended to influence strategy, implementation nor reflects an approved strategic direction for national ai adoption. Best practices reflect lessons learned and explored from worlds most advanced nations who have implemented smart government initiatives and also EU success stories.



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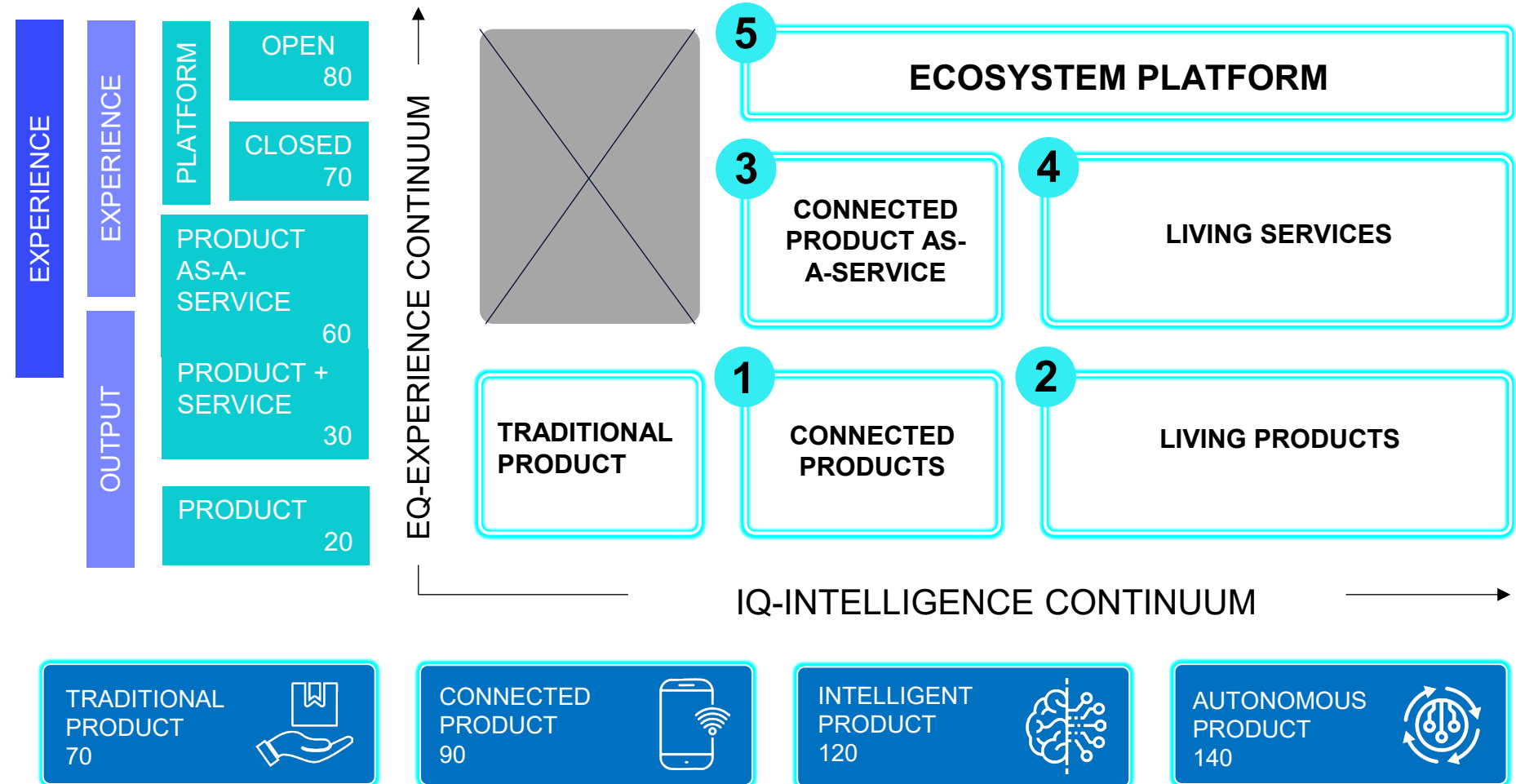
More Work!
More Complexity!
More Regulations!
More Silos!
More Data!
Less Time!



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



WHAT'S HAPPENING

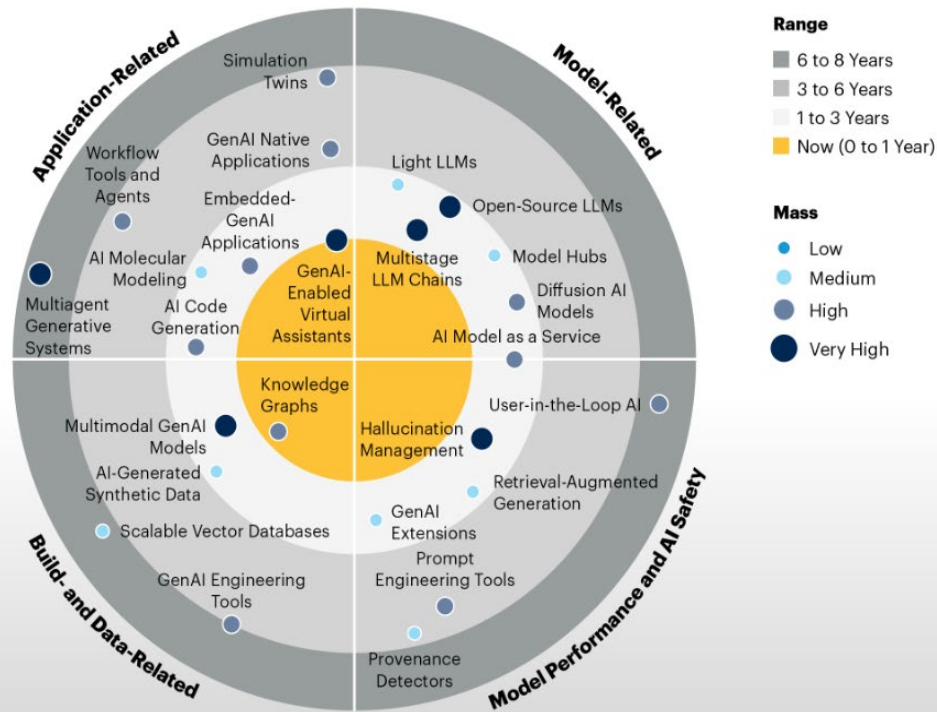


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Impact Radar for Generative AI

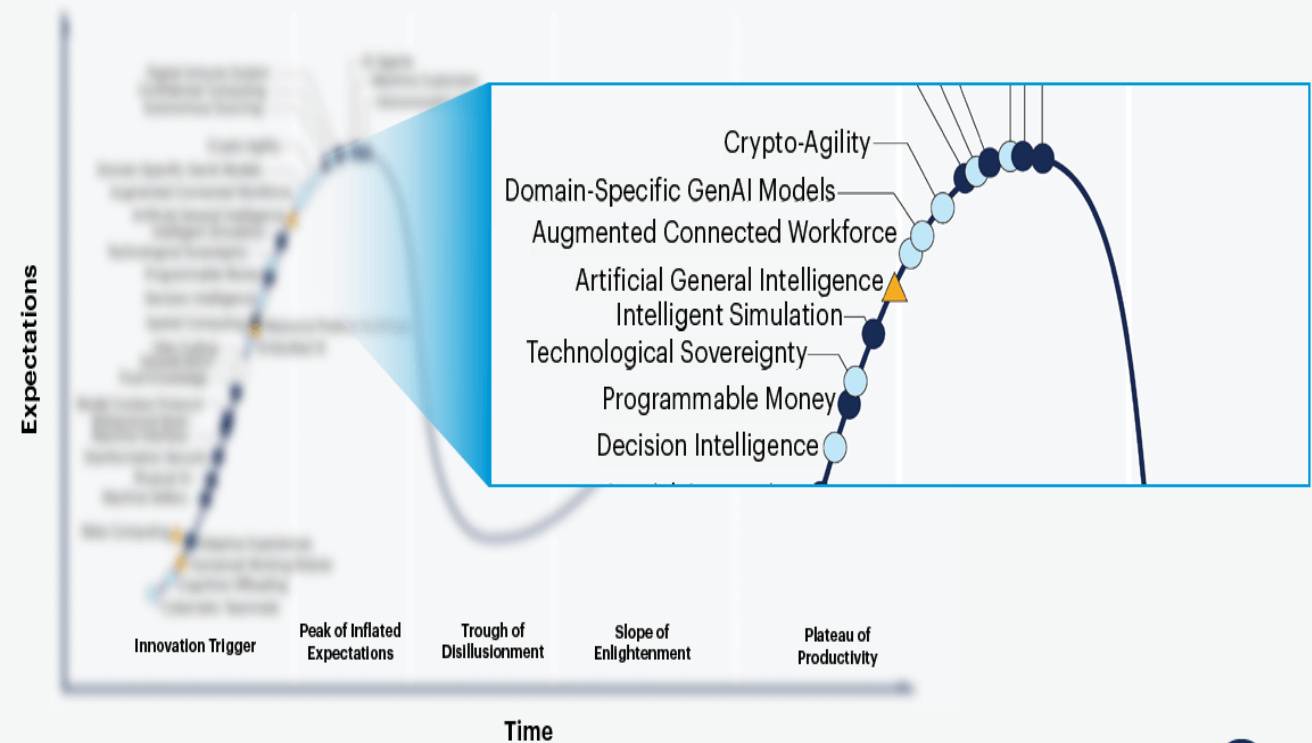


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Hype Cycle of Emerging Technologies, 2025

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



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AI CHANGES EVERYTHING

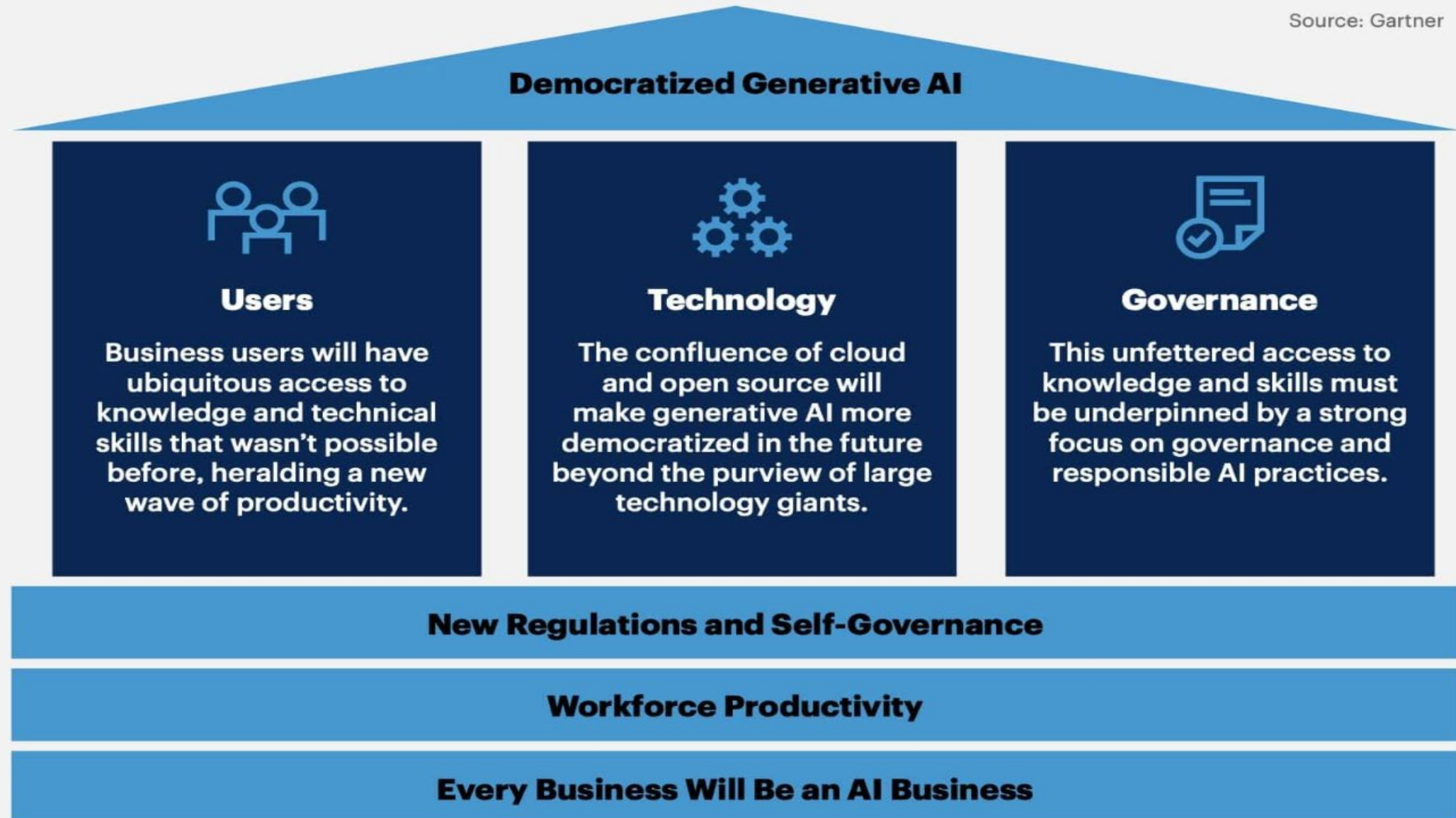


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CYPRUS AI VISION 2030

Strategic AI Hub

Transform Cyprus into a balanced AI hub within the EU, leveraging existing strengths while addressing infrastructure constraints

Economic Impact

Create 5,000+ high-skilled AI positions, following successful models from Estonia, Singapore, and Malta

Strategic Approach

Develop selective domestic AI capabilities where strategically essential, leverage existing computational assets, focus on high-value specialization, and maintain meaningful participation in AI value chains

CURRENT ECONOMIC FOUNDATION



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€32.5B

GDP (2024)

With 3.4% real growth

86.8%

Services

€27.21B - Highest in EU

11.4%

ICT

€3.09B - 2nd in EU27, 347%
growth (2015-2024)

Sector	GDP Contribution	Value
Financial Services	10.1%	€2.8B
Professional Services	7.3%	€2.02B
Maritime	~7%	€1.034B
Manufacturing	4-5.2%	€1.42B

Employment: 516,127 persons, 4.5% unemployment (15-year low)

Digital Infrastructure: 100% coverage, 77.1% fiber-to-home

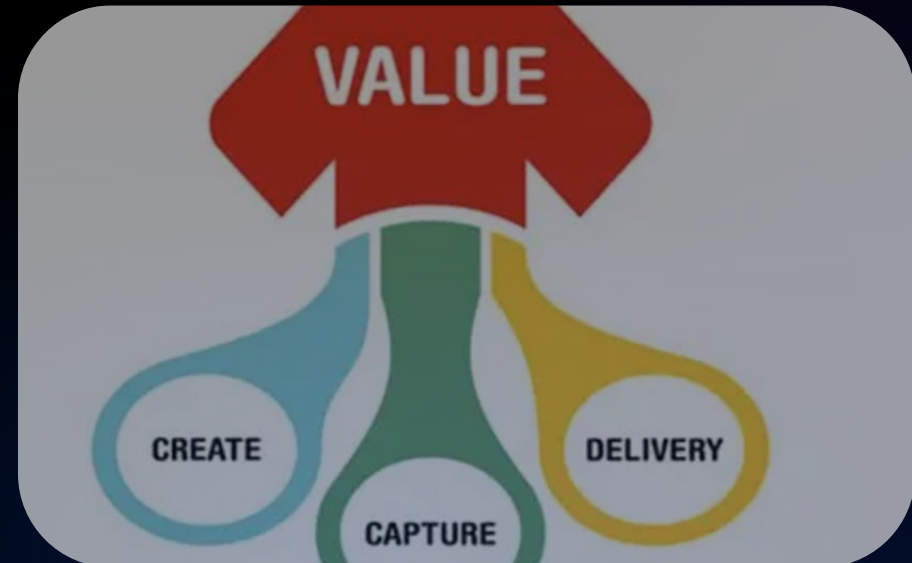
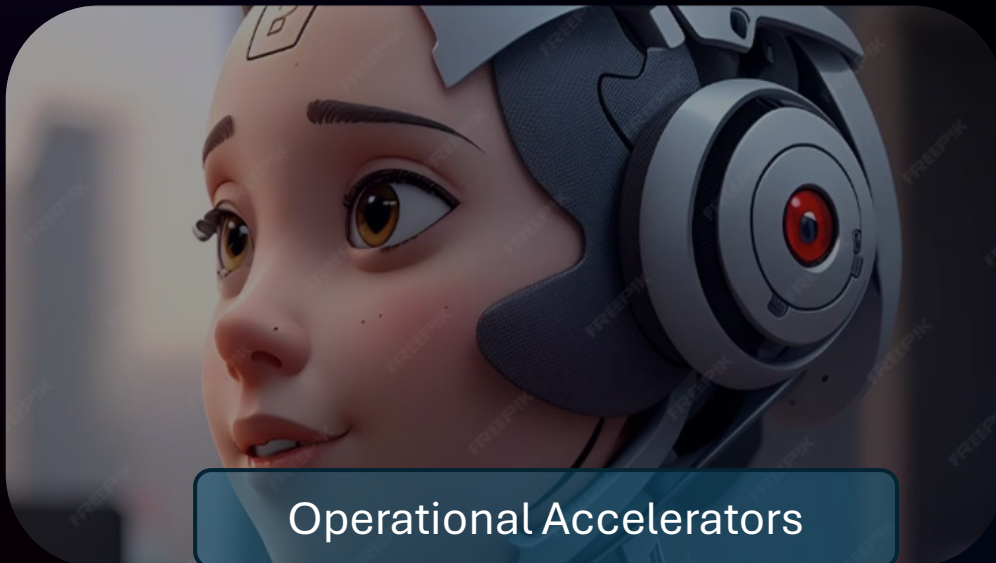
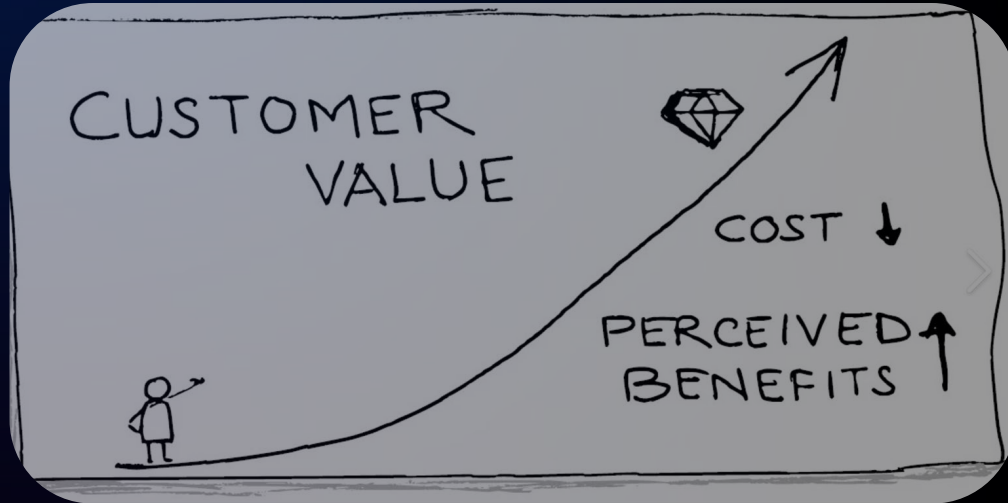
CYPRUS 2030?



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Intelligent Governments Are In-Demand



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From Automation to Augmentation



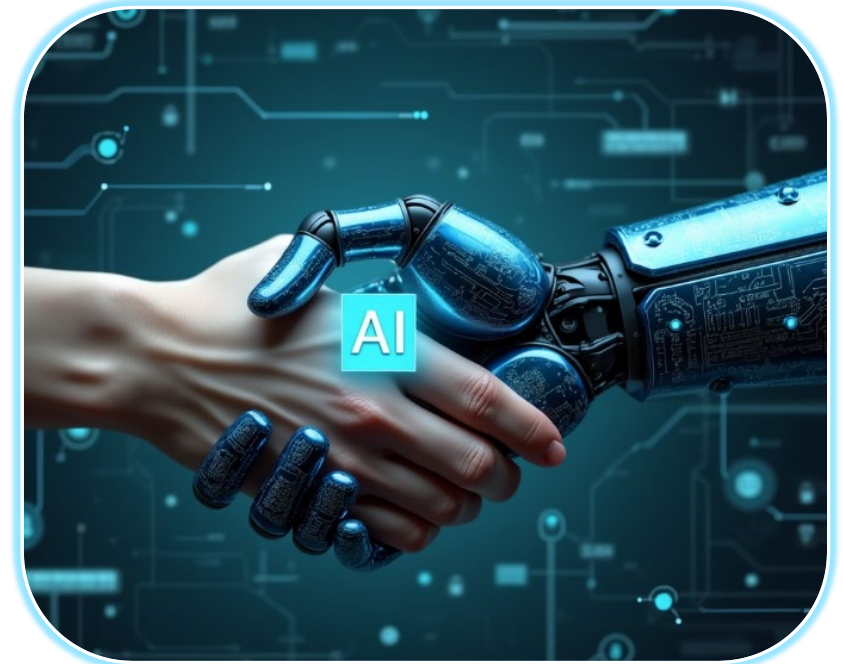


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“It is not about replacing humans but empowering them to govern better, faster, and more fairly.” TEYMOURIAN, Dr. AMIR. Intelligent Government



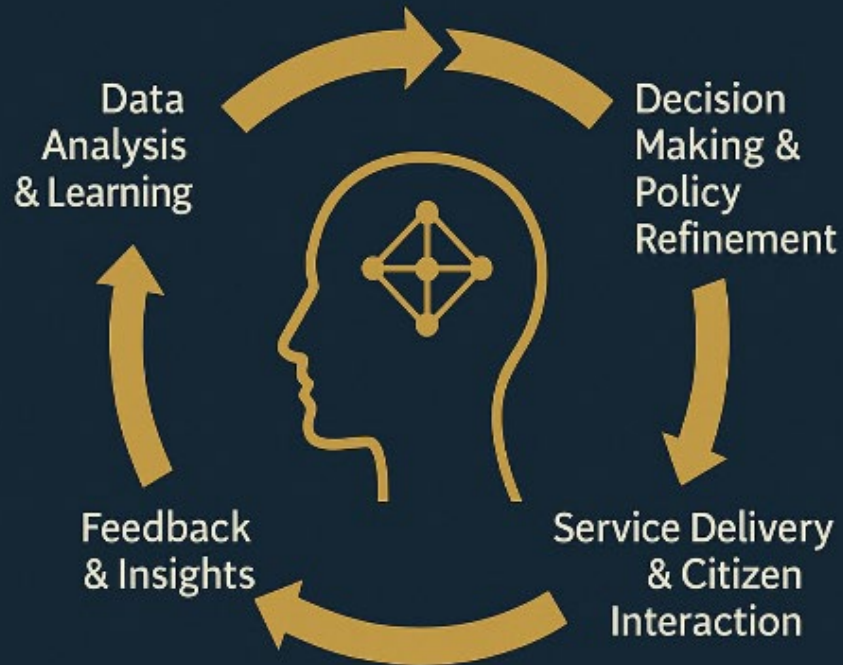


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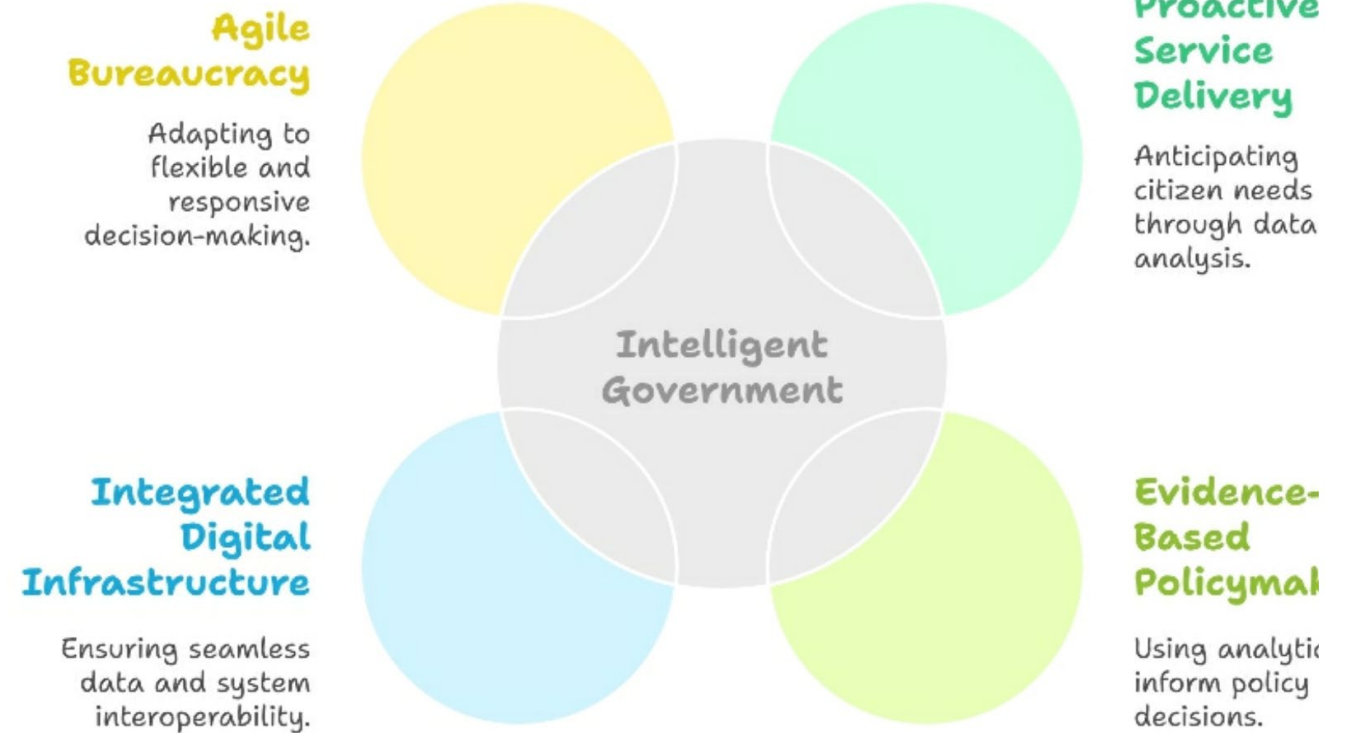


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The AI-Driven Government Feedback Loop



Foundations of Intelligent Governance



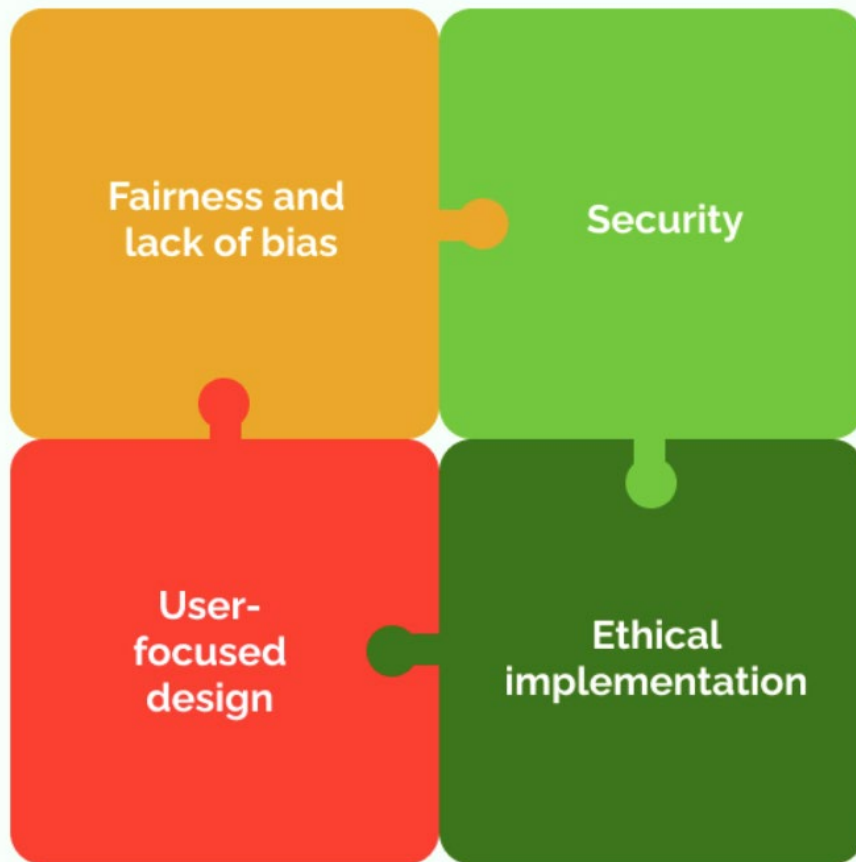


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What are the human-centered AI values?



Advantages of Human Centered AI



CYPRUS NATIONAL AI TASKFORCE

5 Working Groups



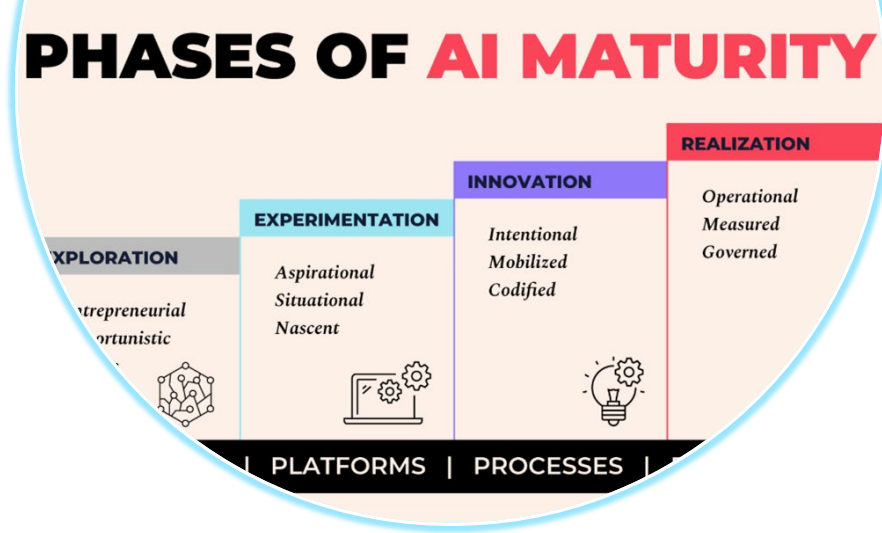
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AI Maturity



AI Ethics OECD

**Ensuring AI Strategic success
for All**



AI IN RESEARCH 6+ Themes





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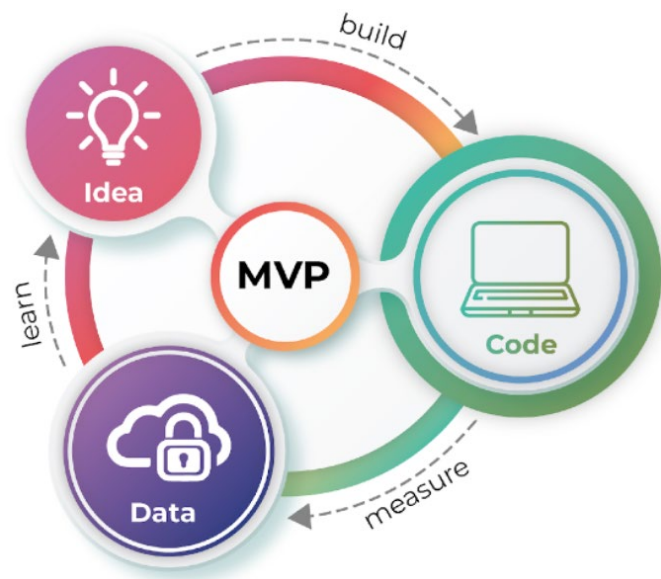
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AI IN RESEARCH

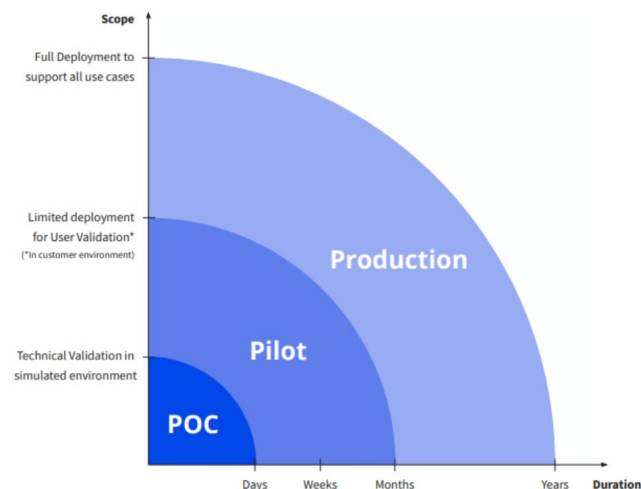
6+ Themes



AI 4 GOVERNMENT CHALLENGE PROGRAMME - CYPRUS



Evaluating an Enterprise Software Platform



9 months

27 months



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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

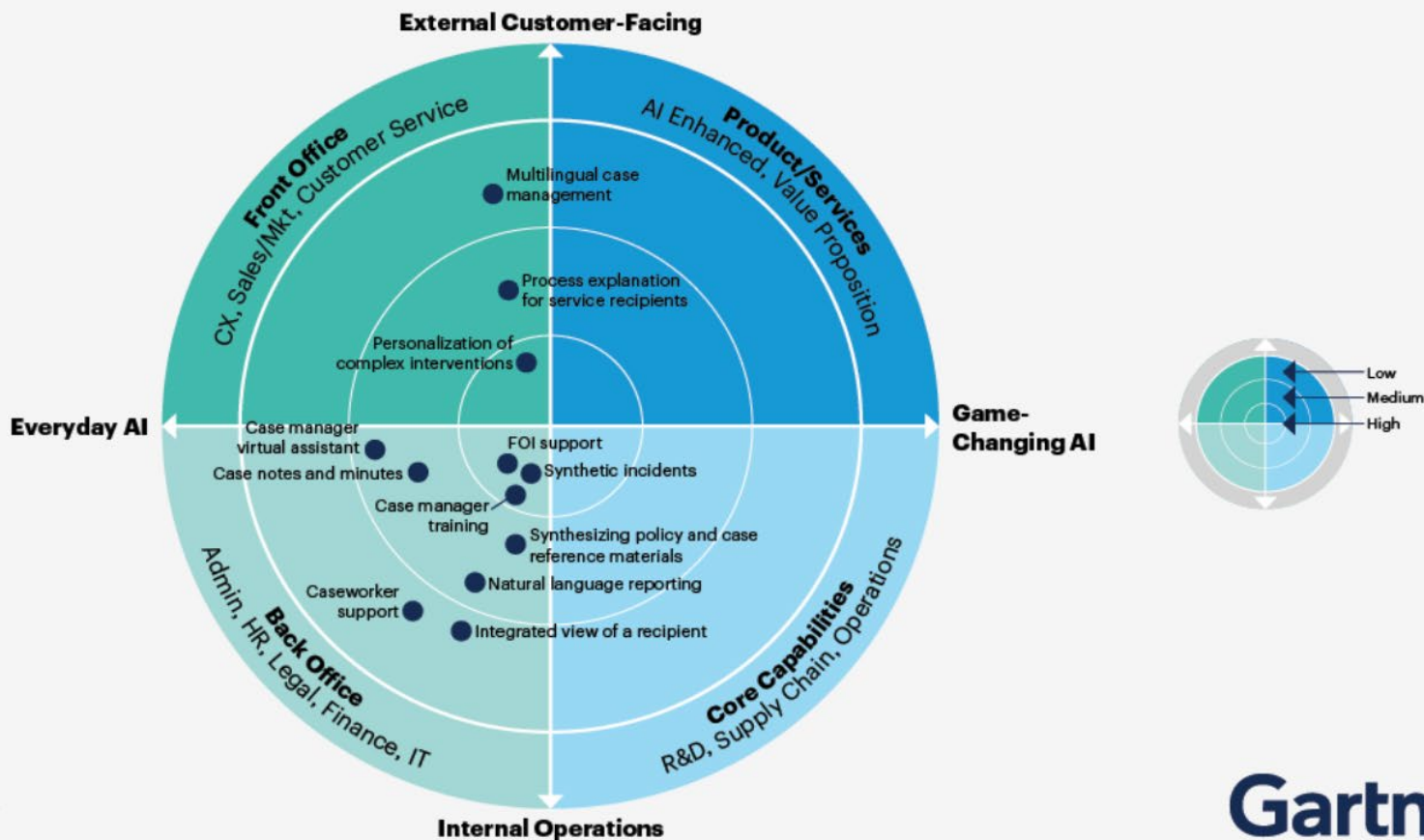
The AI Opportunity Radar populated with human services industry use cases



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RETHINKING SMART GOVERNMENT SERVICES

UNDERSTANDING AI USE-CASES



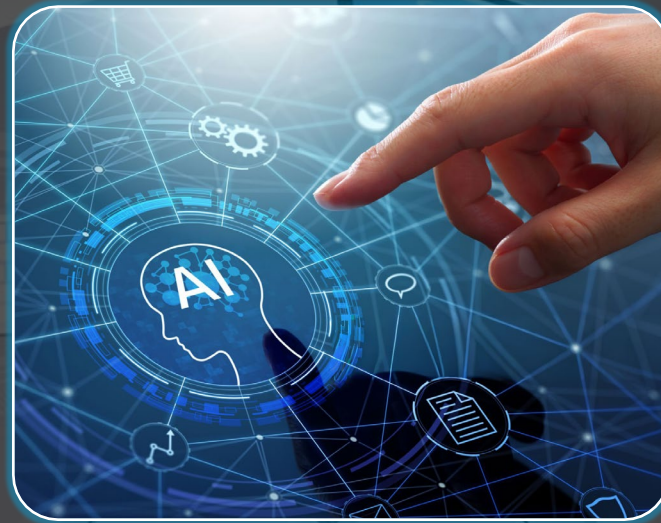
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Conversational AI
Cognitive AI



Document
Processing and
Automation



Actionable Analytics
Evidence based policy
making

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

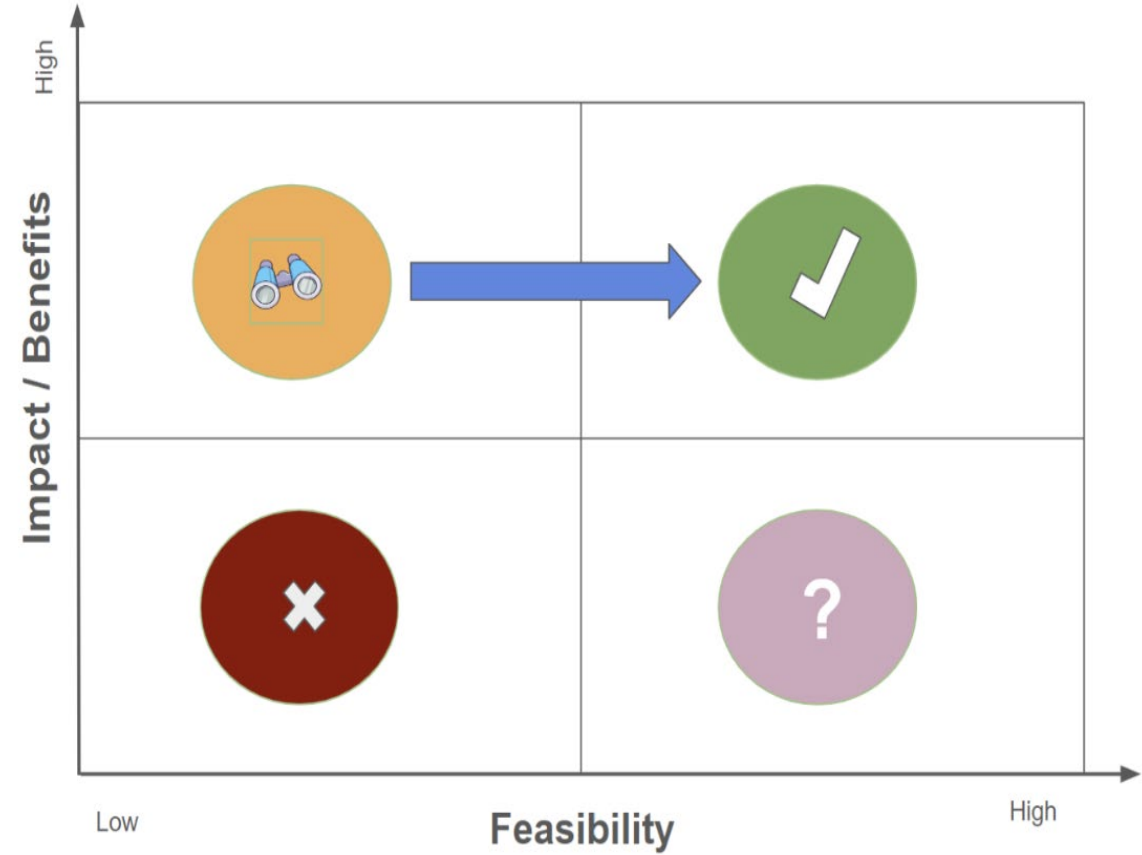
X PS Use case@2

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
Re-skilling & Up skilling required



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Requires Change of Leadership, Organizational, Personal Mindset

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AI BEST PRACTICES IN GOVERNMENT GLOBAL BEST PRACTICES

Ethical Guidelines for AI

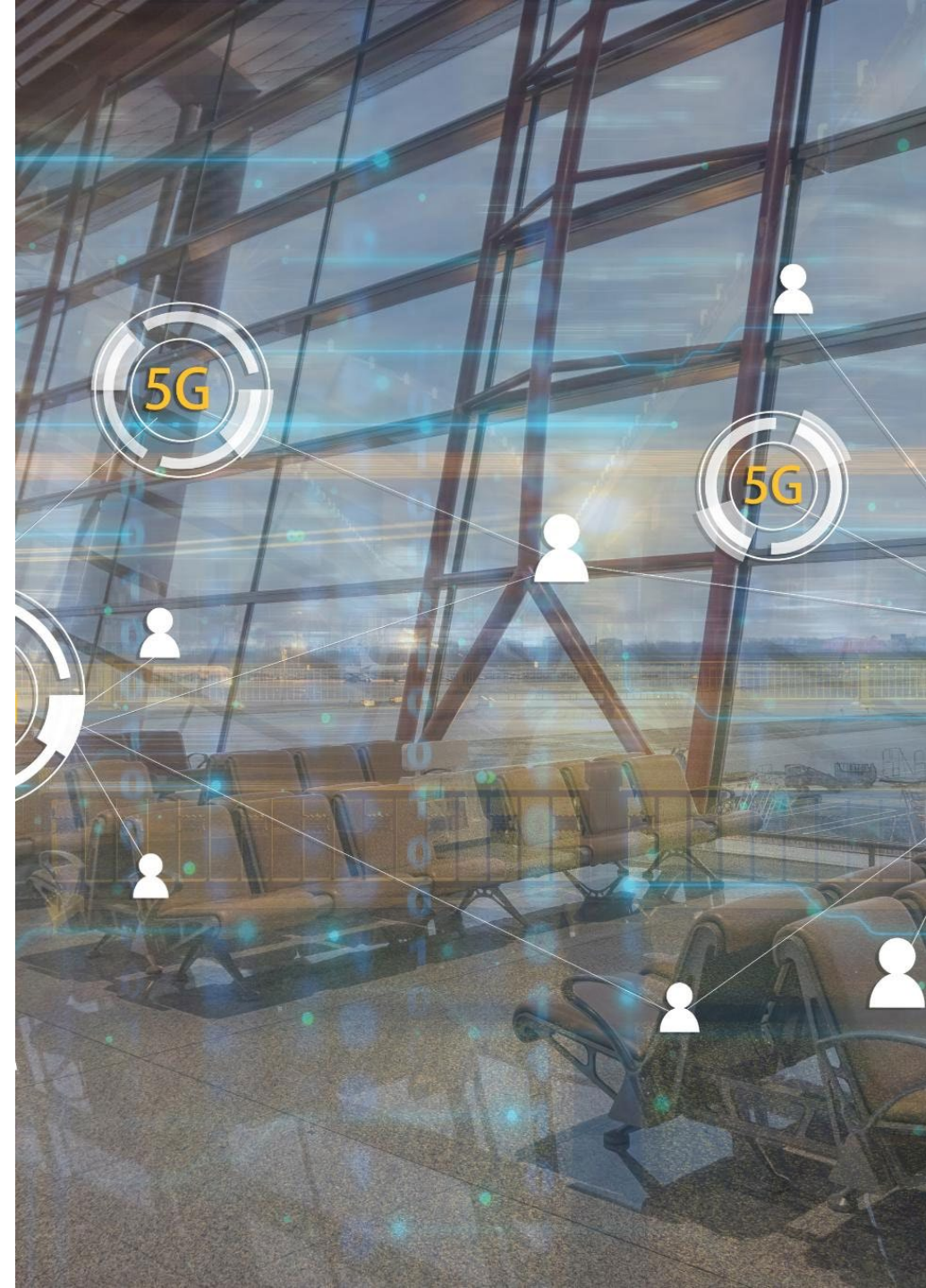
Implementing clear ethical guidelines ensures transparency and fairness in how AI is used within government services.

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.





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FUTURE CXO SUITE SUPPORTING CEO

Is the CXO team ready for
The New Era?

Chief
Technology
Officer



Chief Compliance Officer



Chief AI Officer



Chief Data Officer

Chief
Experience
Officer



INFRASTRUCTURE

SMART GOVERNMENT FUTUREPROOF PLATFORMS FOR SCALE



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EVERYONE KNOWS HOW TO AI



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Questions to be answered?

1. Are we Building for Citizens, Stakeholders
Of just consuming technology?
2. How do you Build AI Experiences that Scale?
3. Who is Accountable for AI Adoption?



AI TEAM 4 SUCCESS



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CUSTOMER INTIMACY

Chief Experience Officer



AI Product Manager



Data Scientist
also known as Data Managers, statisticians.



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.

Data Engineers
also known as database administrators and data architects.



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.

Data Analysts
also known as business Analysts.



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

OPERATIONAL EXCELLENCE