

Generative AI in Risk



The Institute of
Internal Auditors

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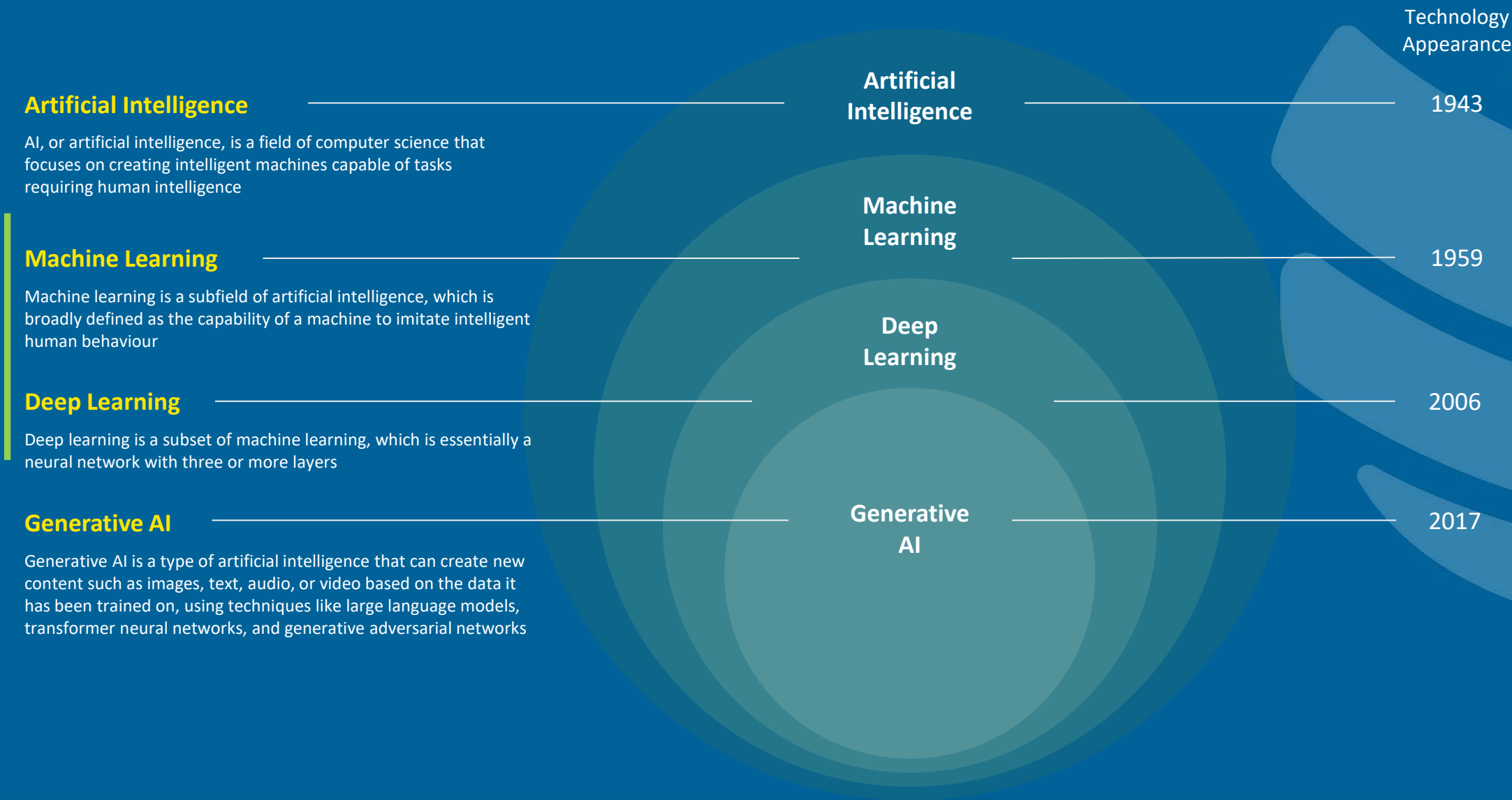
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Agenda

- What is generative AI and why does it matter?
- How can we use GenAI?
- Demonstrations
- Risk Considerations in GenAI
- Q&A

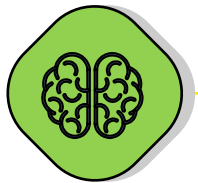
What is Generative Artificial Intelligence – also called Generative AI or Gen AI?



Why does generative AI matter?

What is Generative AI?

A type of deep learning that can **create new content** such as **text, code, images, audio, or video**.



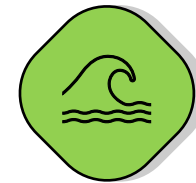
Works much like **our own brains** through **abstraction** and **pattern identification**



Full value comes from **integrating GenAI tools** with other analytic products



ChatGPT has fastest growing **user-base** in the history of the internet



ChatGPT is just **one** amongst a **sea of growth** in Generative AI

Why is it important to understand Generative AI?

The **scope and impact** of Generative AI on business operations is **quickly expanding** with **rapid discovery** of **emergent capabilities**.



30% of **professionals** surveyed tried ChatGPT within 2 months of launch



77% Increase in **references to AI** on investor calls (Bloomberg)



12 Mo. estimated timeline for commercialization of 100s of specialized GenAI patents



What should leaders be considering?

How...

CEO / COO

...does Generative AI impact our company's strategy and market position?

CFO

...can we leverage Generative AI to create value and increase shareholder returns?

CTO / CIO

...can we integrate Generative AI into our teams' skillsets as well as our core technology and information systems?

CRO

...do we place the right safeguards and controls to operationalize using Generative AI?

CMO

...can Generative AI help our organization stay ahead of the competition and enhance customer engagement?

Organizations must align their activities across four areas.



Trust & Accuracy

Inputs/ output accuracy. Model explainability and traceability of outputs



Fairness & Bias

Inherent bias due to public training data. Toxicity in responses requires ongoing management



Privacy and Security

Data collection with unclear use. Public exposure to client proprietary data; Cybersecurity Concerns



Legal Issues

Potential Copyrights and IP infringement; Liability of Use; GDPR Compliance



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Elevating Impact

Demo #1 – Product Listing Writer

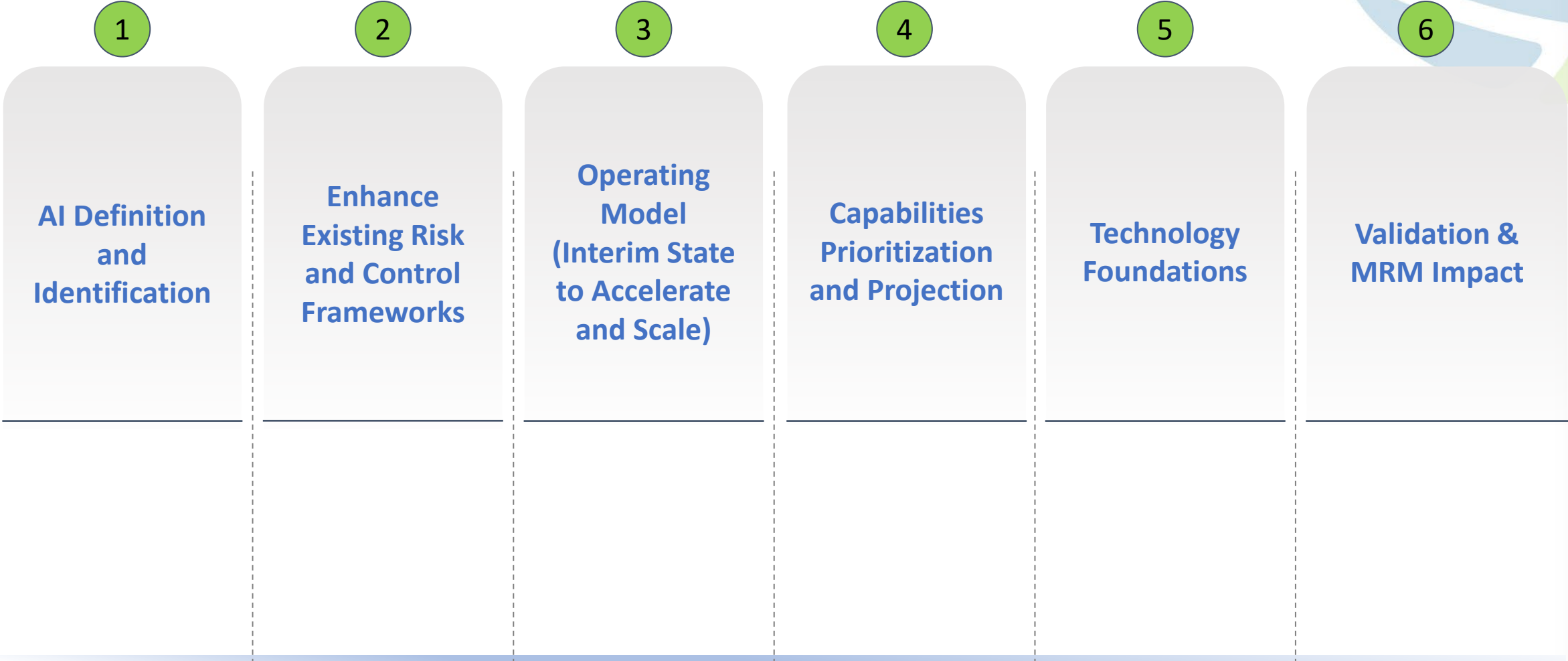


Demo #2 – Gen AI for Procurement Negotiation



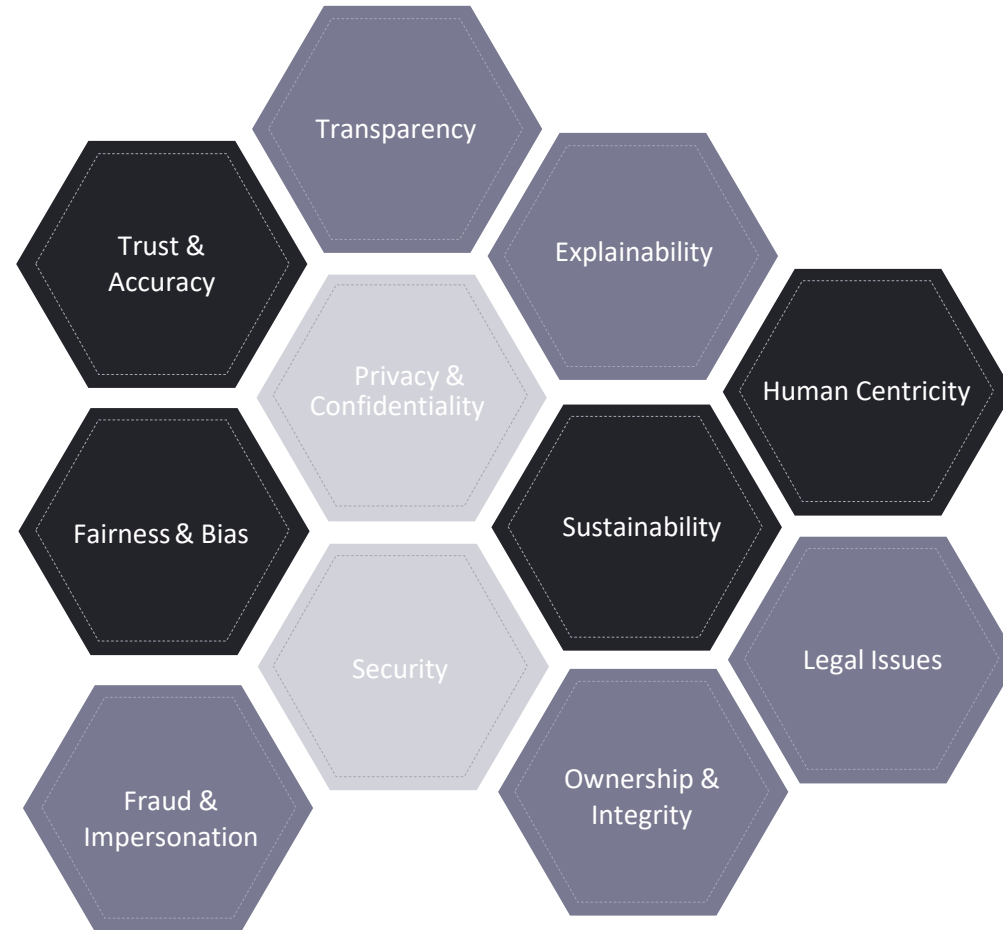
How can AI scale be accelerated in a controlled manner?

A resilient AI ecosystem will accelerate the adoption of AI by establishing participants' trust and confidence



Generative AI Risk Considerations

Generative AI risk considerations are contextual and apply to different extents depending on the context in which the models are deployed and used.

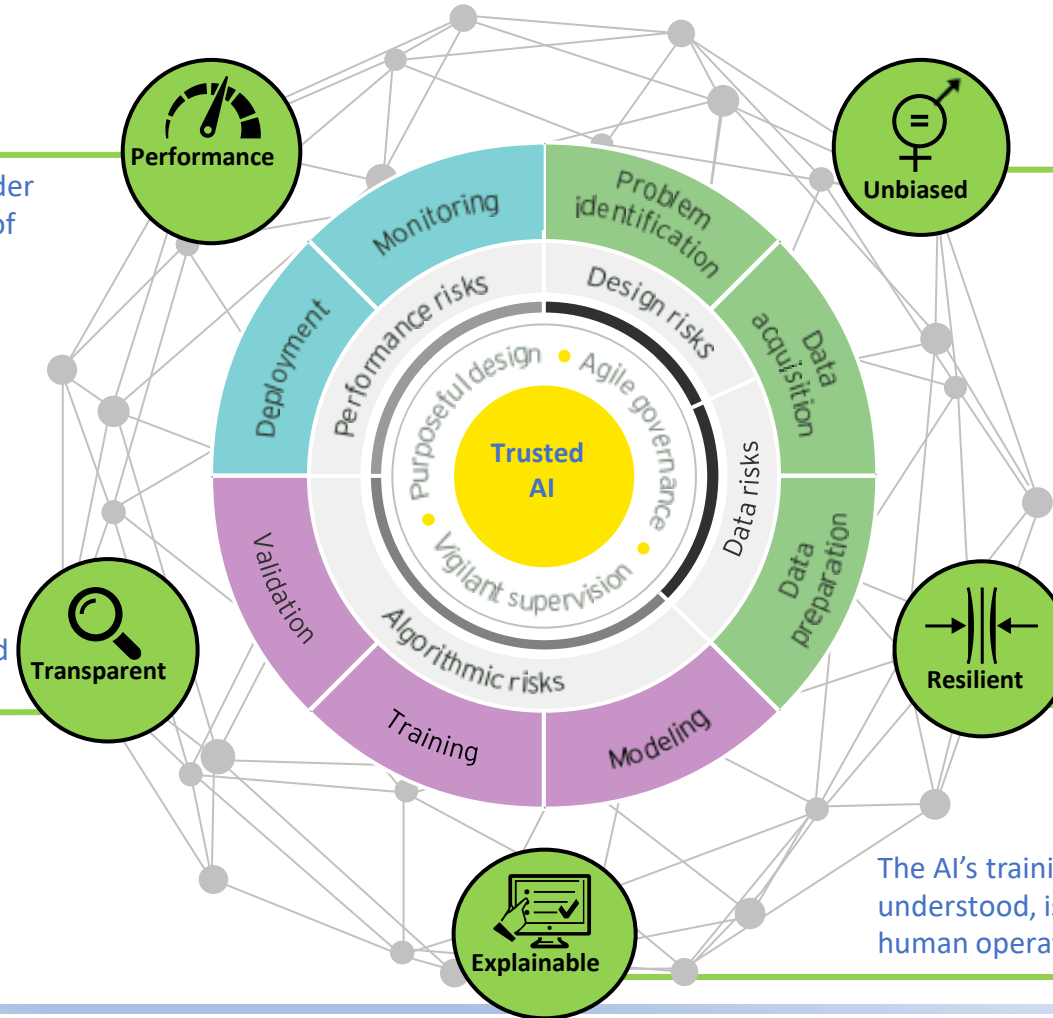


Trusting AI will require expanding the risk and control attributes

EY's Trusted AI Framework emphasizes the following five attributes necessary to sustain trust.

The AI's outcomes are aligned with stakeholder expectations and perform at a desired level of precision and consistency.

When interacting with an AI, an end-user is given appropriate notification and an opportunity to select their level of interaction. User consent is obtained, as required for data captured and used.



Inherent biases arising from the development team composition, data and training methods are identified and addressed through the AI design. The AI system is designed with consideration for the need of all impacted stakeholders and to promote a positive societal impact.

The data used by the AI system components and the algorithm itself is secured from unauthorized access, corruption and/ or adversarial attack.

The AI's training methods and decisions criteria can be understood, is documented and is readily available for human operator challenge and validation.

Q & A

