AI Readiness

Are you ready for the future?

Dr. Patrick J. Wolf

Senior Manager, Business Value Engineering and Strategy

2024

The Great Tea Race

Qlik

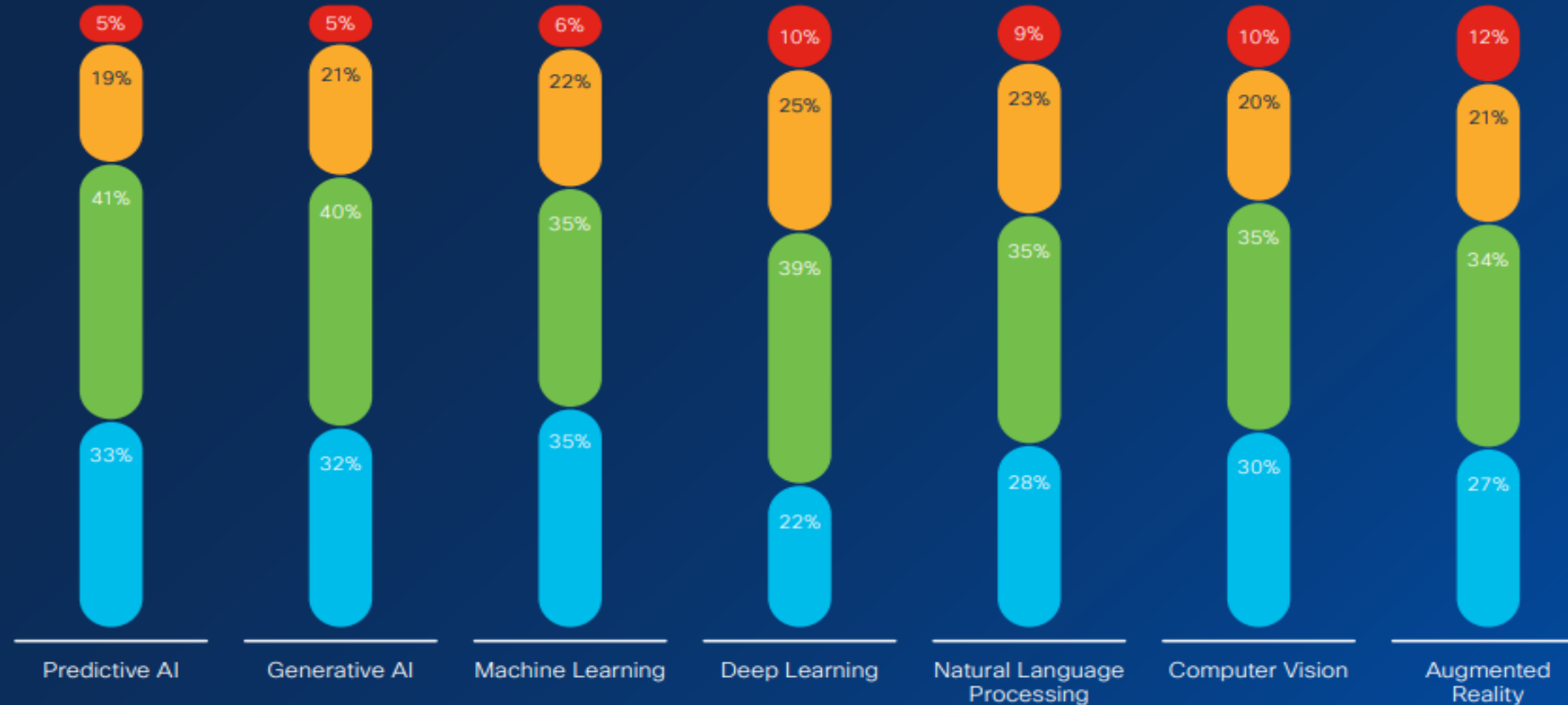+15 days faster
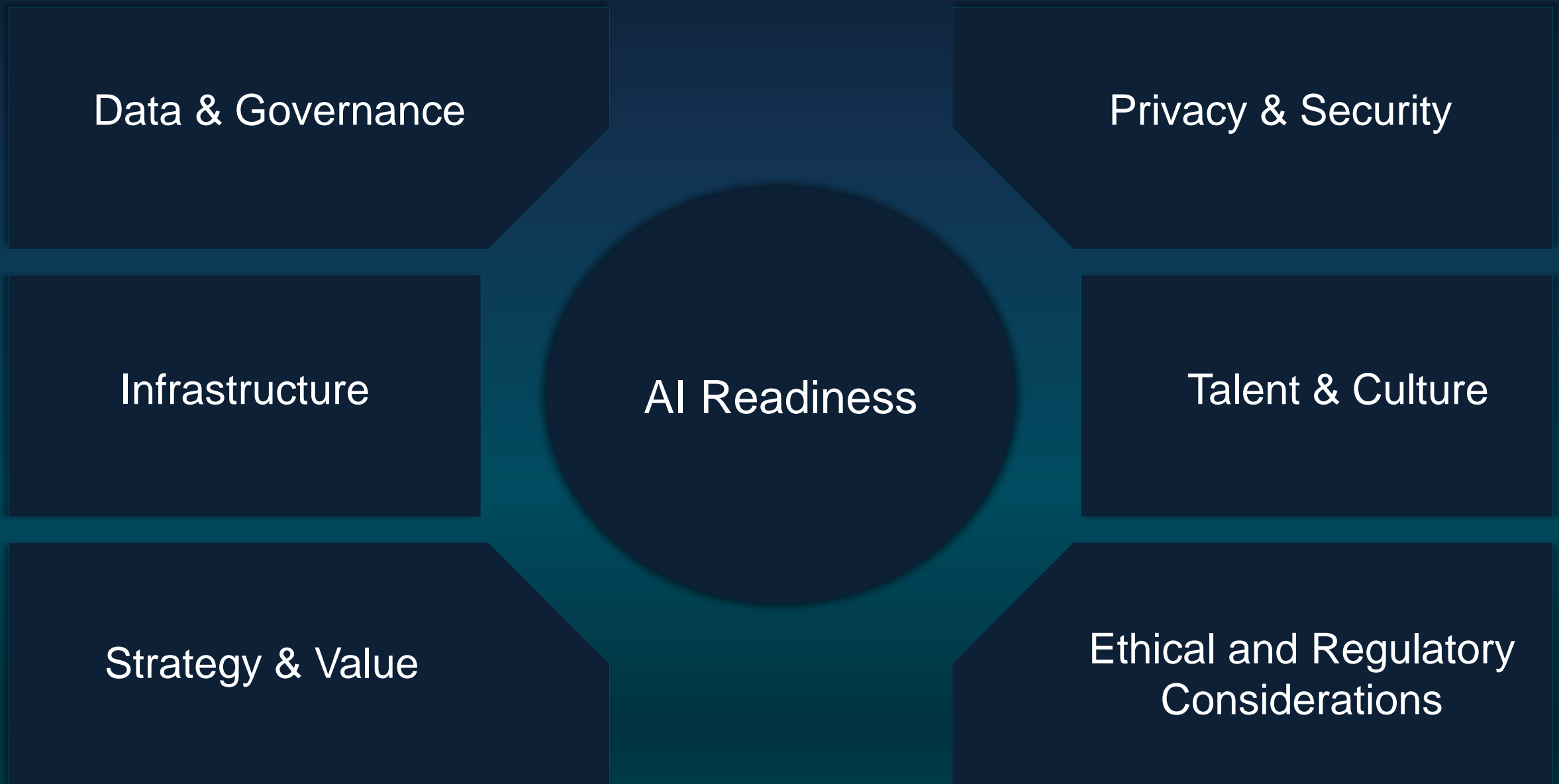3,250 miles shorter

~14,000 Miles
~ 90 days

Stage of deployment for AI or AI-powered technologies

● Already deployed ● Currently in progress with deploying ● Plan to deploy in next 12 months ● No plans to deploy in next 12 months

	Predictive AI	Generative AI	Machine Learning	Deep Learning	Natural Language Processing	Computer Vision	Augmented Reality
No plans to deploy	5%	5%	6%	10%	9%	10%	12%
Plan to deploy	19%	21%	22%	25%	23%	20%	21%
Currently in progress	41%	40%	35%	39%	35%	35%	34%
Already deployed	33%	32%	35%	22%	28%	30%	27%

Technology Adoption Life Cycle

AI Success Depends On Your Data

"A modern data and tech stack is key to nearly any successful approach to generative AI."
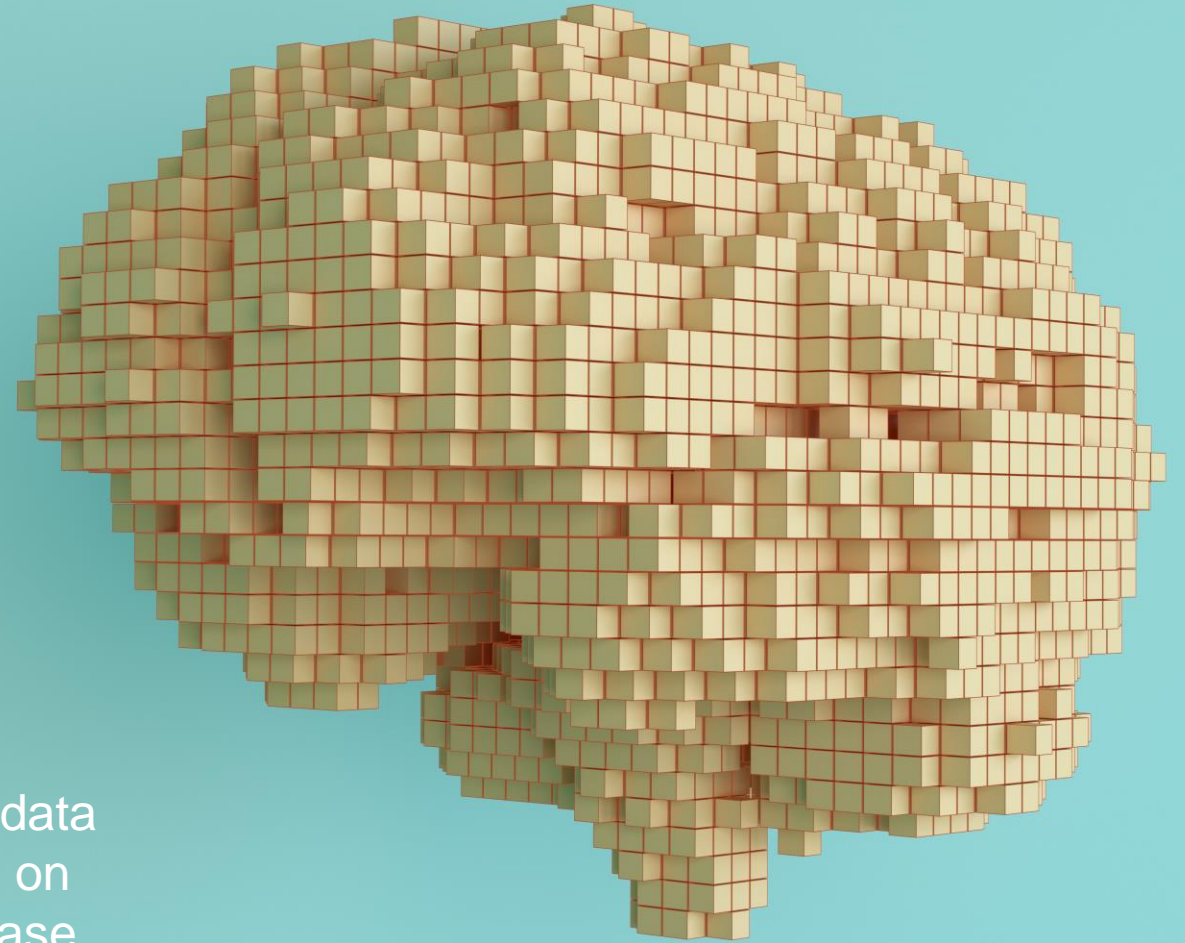- McKinsey

And you will need a lot of data…

"Foundation models need vast amounts of curated data to learn."
- Accenture

73%
expect amount of data moved/managed on analytics to increase

Is Your Data Fabric AI-Ready?

? **Data Variety**
The ability to bring data together from multiple sources is essential to use AI

? **Governance**
Data must be organized and trusted to be used as a source for AI
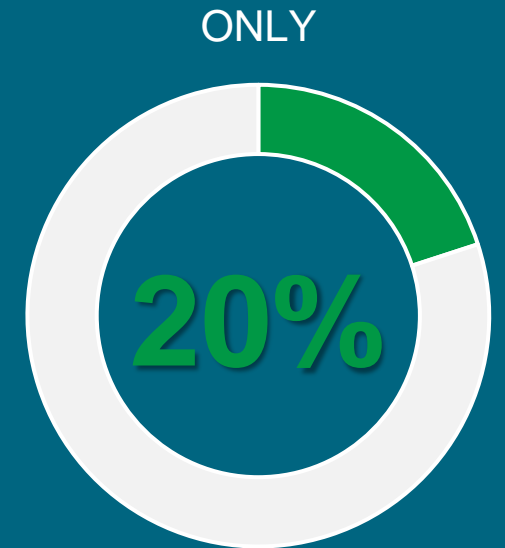
? **Consumable Insights**
AI outputs must be consumable in context with other analytics to be understood

? **Connected Systems**
Bring the AI output into operational systems and processes to trigger action

ONLY

20%

say their data fabric supports Generative AI very or extremely well

Privacy & Security Concerns Are Real

Governments are starting to investigate and regulate[1]

Individuals and organizations are suing overuse of proprietary data[2]

Corporate IT leadership cites data privacy and security as a top concern[3]

[1] "FTC investigates OpenAI over data leak and ChatGPT's inaccuracy", Washington Post, July 2023; "EU moves closer to passing one of world's first laws governing AI", The Guardian, June 2023
[2] "Sarah Silverman and novelists sue ChatGPT-maker OpenAI for ingesting their books", The Associated Press, July 2023
[3] "Generative AI: Data privacy, backup and compliance, Computer Weekly, June 2023

Recommended Actions

Building trust and driving value

1 **Establish a trusted data foundation**
with data integration and quality

2 **Leverage the power of *all* of AI**
with AI-enhanced analytics experience

3 **Consider your LLM options**
with proprietary data training

Aligning Business Strategy & Value

The #1 barrier to AI implementation is the ability to quantify/define the value*

Gartner Report in 2019:

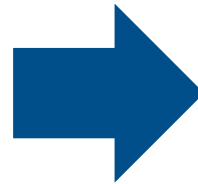- "By 2024, 50% of AI investments will be quantified and linked to specific key performance indicators to measure return on investment."

Misalignment negative consequences:

- Reputational Risks
- Missed Opportunities
- Wasted Resources

PYPL
PAYPAL HOLDINGS
INTRA DAY

64.5
61.5
58.5
9:30A 2P 4P
59.61
-3.41 -5.41%

9:48A
PACIFIC
SHARES OF PAYPAL FALL AFTER
CEO ANNOUNCES AI-BASED PRODUCTS
CNBC

Recommended Actions

The #1 barrier to AI implementation is the ability to quantify/define the value*

Alignment with Business Objectives	**Maximize the (ROI)**	**Risk Management**	**Resource Allocation**	**Continuous Improvement**
Developing an AI strategy ensures that AI initiatives are aligned with the organization's overall business objectives.	By defining clear strategic goals and objectives for AI adoption, better measures and maximizes the return on their AI investments	An AI strategy allows organizations to identify and mitigate potential risks and challenges associated with AI adoption.	A strategic approach to AI readiness helps optimize resource allocation	Effective AI strategy and value realization can give organizations a competitive advantage in the marketplace.

Infrastructure

The state of organizations' current IT infrastructure

- AI/ML deployments dramatically increase the needed, power-intensive GPUs

- 77% of organizations will need more GPU resources to support AI workloads. The scale of the network is unprecedented.

HOME > NVDA · NASDAQ

NVIDIA Corp

$913.23 ↑248.57% +651.24 1Y

Mar 21, 3:14:21 PM UTC-4 · USD · NASDAQ · Disclaimer

| 1D | 5D | 1M | 6M | YTD | **1Y** | 5Y | MAX |

⊗ Key events

1,000

800

600

400

200

May 2023   Jul 2023   Sep 2023   Nov 2023   Jan 2024   Mar 2024

13%	**Fully adaptable:** can instantly accommodate any AI computational needs
31%	**Highly scalable:** designed with growth and future AI demands in mind
33%	**Moderately scalable:** can handle current projects but need enhancements for more complex applications
21%	**Limited scalability:** might need significant updates for large AI projects
2%	**Not scalable at all**

Qlik

Recommended Actions

What can you do?

- **Evaluate Current Infrastructure:** Assess the organization's IT infrastructure to determine its readiness for AI implementation. *What is your infrastructure's health status?*

- **Data Accessibility and Quality:** Ensure data is stored centrally and easily accessible for AI applications. Implement measures to maintain data quality, including accuracy, completeness, and reliability. *What do we do today to ensure data quality?*

- **Compute Resources:** Invest in high-performance computing resources. Verify what is needed and expandable. *Justify the value. Is this a band-aid for a bullet wound?*

Qlik

Talent & Culture

"AI will replace my job!" AI won't replace your job; it will change it.

- **AI can be a channel for worker growth.**
    - New skills and knowledge is needed
    - AI could boost overall productivity by as much as 49%
- **75%** of employers say they can't find the needed talent.*
- **73%** of surveyed employers prioritize hiring talent with AI skills and experience.*

Qlik

*Amazon report

16

Ethical and Regulatory Considerations

The top five considerations for AI regulations and ethics

1 **Trust and Reputation**
A good reputation and customer trust takes years to build and only a single moment to lose.

2 **Risk Management:**
Data breaches, algorithmic bias, security vulnerabilities, and regulatory non-compliance.

3 **Compliance with Laws and Regulations**
Laws, rules, and regulations are all sure signs of the future.

4 **Social and Environmental Impact**
Job displacement, environmental sustainability, and the ethical treatment of workers.

5 **Long-Term Viability and Sustainability**
Prevent legal disputes, uphold public trust, foster AI innovation and growth.

Qlik.

Closing Thoughts and a Thank You