

How enterprises can drive breakthrough innovation with the latest Al technologies



Generative Al tools like ChatGPT have made Al mainstream. Now organizations everywhere want to understand the potential of gen Al and what it means for their business. Enterprises expect big things from gen Al, hoping it will help drive faster innovation, improve business performance, and enrich customer experiences. But those big expectations come with even bigger challenges.

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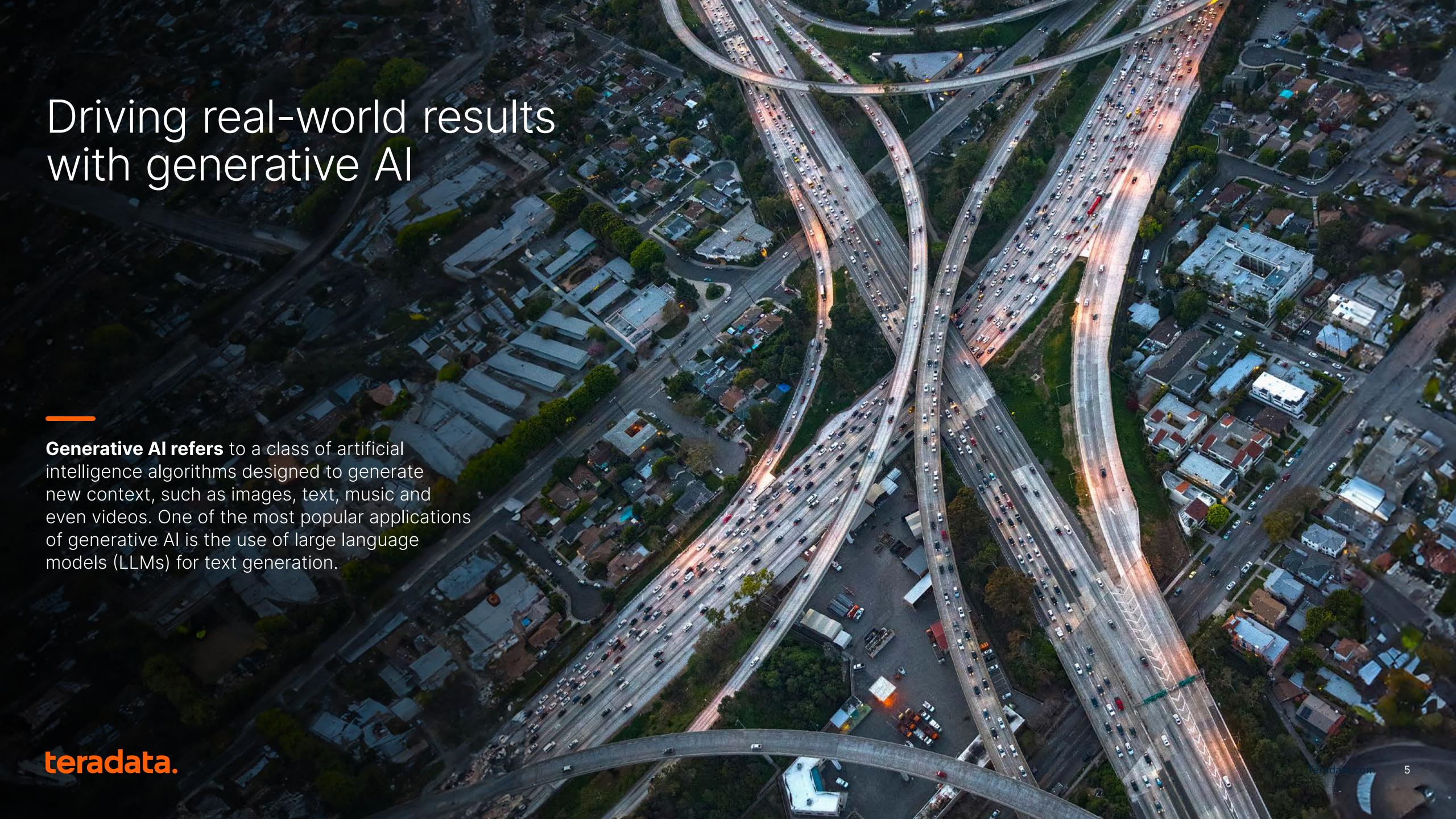


# IDC research shows

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2 in 3
expect significant pressure to take advantage of gen Al in the next 6 to 12 months





# Exploring uses of gen Al



# Deploying a new generation of Customer 360 analytics

Generative AI can help businesses process, interpret, and understand text data better than ever before. For example, converting unstructured data like customer reviews and support tickets into relational metadata to help understand customer intent. Combining that relational metadata with transaction and interaction data from multiple touchpoints enables next generation "voice of the customer", customer 360 analytics and truly customer-centric applications.



# Driving greater productivity and insights with natural language interfaces

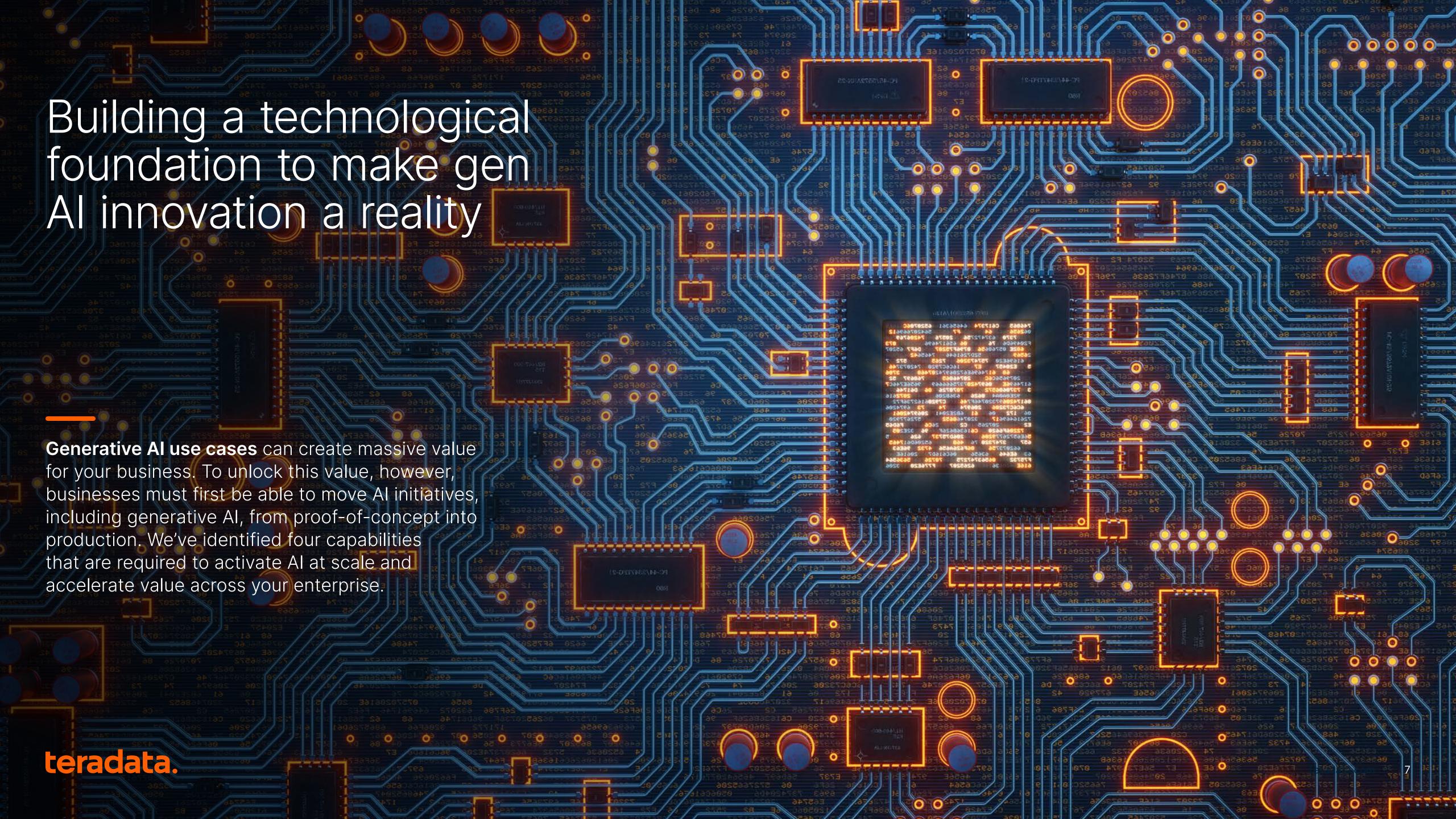
Generative AI has the potential to drastically improve employee productivity. Automating the manual processes of creating queries and scripts frees a data scientist to produce richer, more indepth schemas for customer transactions. When paired with a natural language tool, gen AI improves access for non-technical employees to insights and data for better decisions. For example, a call center employee for an insurance company could ask a gen AI tool to search transcripts for information on past customer interactions and claims.



# **Enriching customer experiences and improving sales with LLMs**

Teradata recently partnered with a retailer to deploy smart carts that could scan items inside the cart and then provide relevant recommendations for additional items. Most recommendations engines make static suggestions based on product affinity. However, this retailer uses a large language model to understand the shopper's intent to make highly relevant suggestions. The result of this context based recommendation engine? A richer customer experience, deeper engagement, and more profitable growth.





# The hidden costs of Al development

O/O

project time spent preparing data, not creating value

Predictive models that never make it to production

month average amount of time it takes to deploy models

teradata.

# Four Essential Capabilities

1

## **Data management**

Generative AI requires good quality data, and lots of it. But most companies spend 80% of all project time preparing data, not creating value. Many also spend millions of dollars on multiple systems that move and replicate data while managing multiple pipelines and silos on legacy systems. The result: an expensive and unsustainable data and compute sprawl. To drive AI innovation, it's crucial to look at solutions that have powerful data management built into the platform.

2

## Flexible tools and integrations

True innovation takes an ecosystem of supportive, synergistic technology. Empower your data scientists and business users alike with a platform that provides the flexibility they need to use the tools they want, in the way they want, to help support more Al use cases. Look for a platform that allows you to seamlessly integrate fast-evolving apps and easily operationalize externally trained LLMs at all levels of the enterprise.

3

### **End-to-end Al optimization**

Deploying AI projects at scale is a common challenge. It takes five months on average to deploy models, and 65% of predictive models never making it to production. Look for a data and analytics platform that can accelerate data preparation, scale without fear of cost-overrun, and seamlessly operationalize AI models. This enables you to drive faster and more cost-effective AI innovation, solve your most complex challenges and accelerate time-to-value throughout your organization.

4

## **Optimal price performance**

As enterprises deploy AI, they need to manage exponentially more models and queries, which can massively increase costs. To avoid a sky-high surprise bill, it's not enough to just optimize for storage costs. You need an analytics and data platform that can cost-effectively manage complex and high-volume workloads and queries.



# Trusted Al Principles



# People

A human-centered approach to Al improves compliance with safety and privacy rules, ethical and responsible standards as well as enhancing environmental sustainability. VantageCloud provides reliable and effective data security, protects personally identifiable information (PII), prevents inadvertent bias from model drift and limits potentially harmful impacts on our environment and society.



## **Transparency**

Transparency is being able to understand how and why an Al driven decision was made. VantageCloud delivers visibility into the data behind decisions, including how models use data and comply with regulations. We enable validation that data is trustworthy before any Al is implemented and provide explainable and accountable reasoning behind model outputs when it is. Transparency powers flexible and fast innovation through open Al ecosystems.



#### **Value Creation**

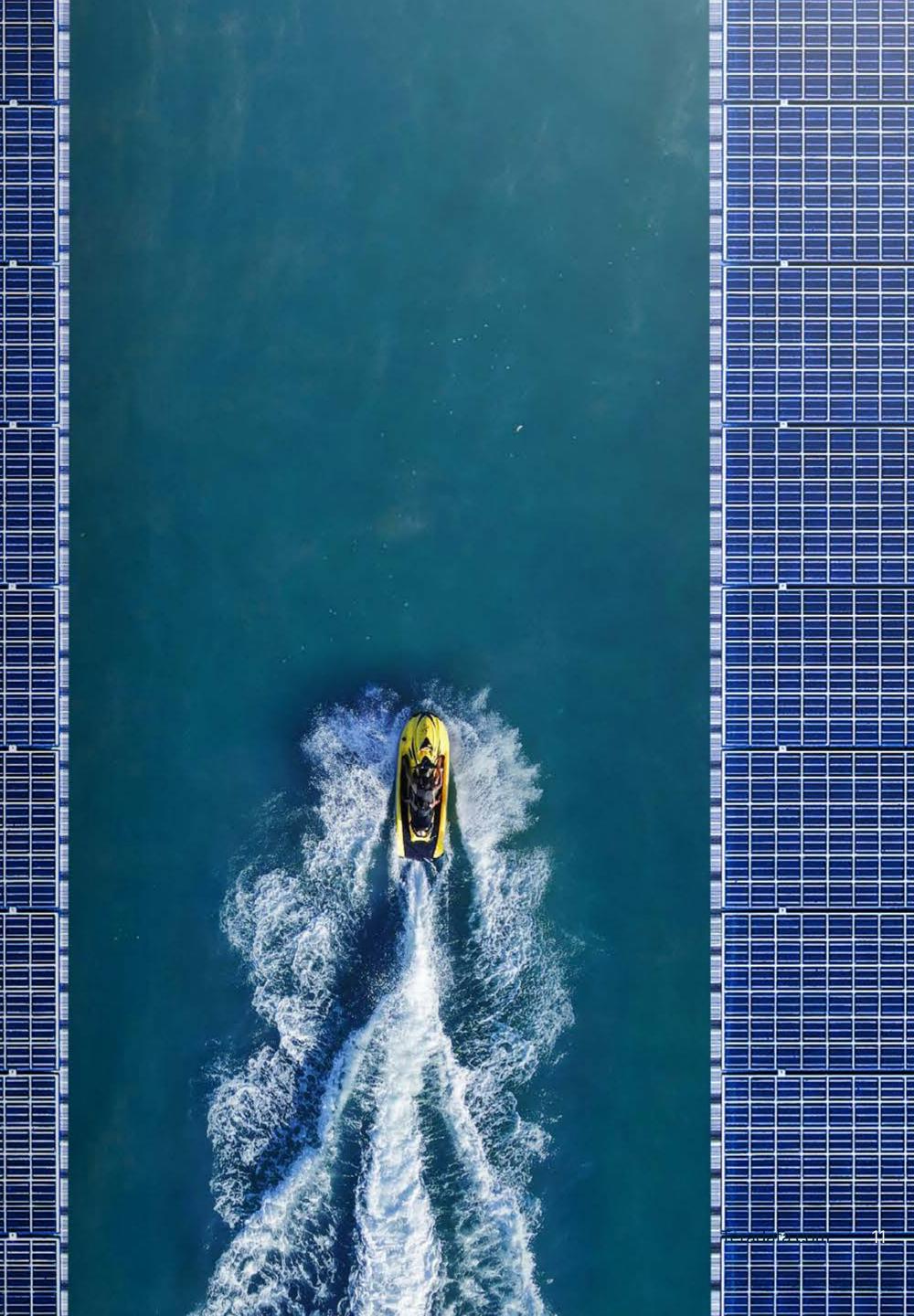
Performance is vital to generate value from Al. Improved reliability, speed and accuracy will ensure that the ROI of Al models far outweighs the cost of experimentation. API integration with a wider range of tools offers direct, transparent, real-time access to models that can be quickly operationalized at scale in VantageCloud. Deploying models for live data scoring in VantageCloud delivers the crucial insights needed to drive business value at scale—all at a lower total cost of ownership





Enterprises today face major hurdles to use AI, especially gen AI, to drive innovation while delivering meaningful outcomes and measurable results. With Teradata VantageCloud Lake, available on Microsoft Azure, organizations can harness the full potential of generative AI by delivering harmonized data and trusted AI across every part of the business.





# Teradata and Microsoft working together

## Market-leading expertise, scale, and technology



#### **Deliver harmonized data**

Our platforms ensure teams at every organizational level can leverage a modern and cost-effective cloud-native architecture that reigns in inefficiencies, such as data and compute sprawl.



## **Enrich customer experiences**

We provide data science teams with powerful analytic capabilities and integrations that enable innovative AI/ML use cases, such as generative AI. Empowering complex analytics and AI on massive data sets to unlock new value.



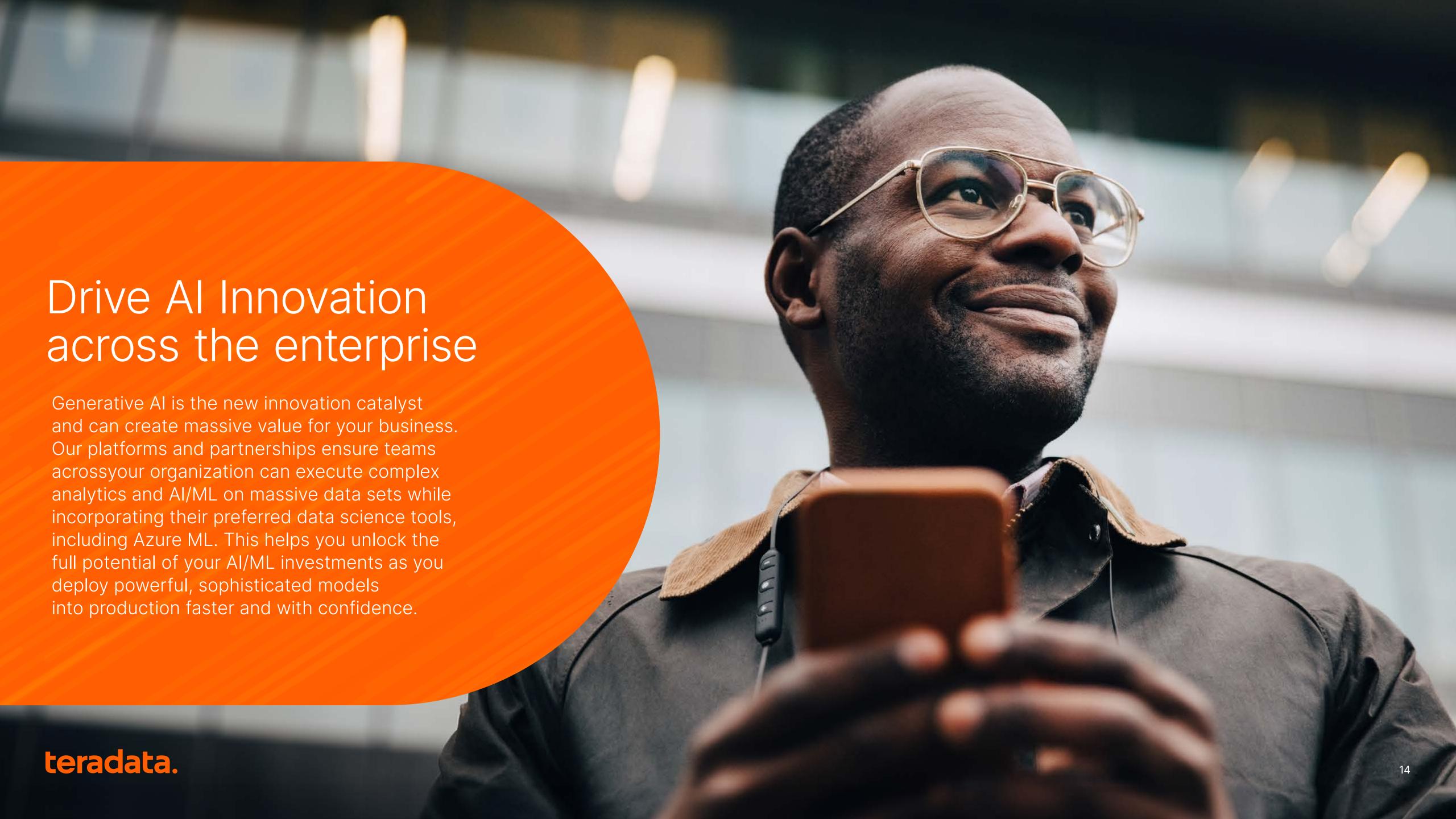
## Improve business performance

Embrace the full potential of Al investments with the fastest, most efficient cloud migrations that reduce risk and accelerate time-to-value for any part of the enterprise.



Together, Teradata ClearScape Analytics™ and Microsoft Azure Machine Learning (ML) simplify and accelerate the Al lifecycle through the most robust analytic capabilities for end-to-end analytic pipelines, including data prep, model training, and operationalizing at scale.





## Find out how to activate Al innovation in your enterprise today

To connect with one of our AI/ML experts or get a demo, visit our website.

#### **About Teradata**

At Teradata, we believe that people thrive when empowered with trusted information. That's why we built the most complete cloud analytics and data platform for Al. By delivering harmonized data, Trusted Al, and faster innovation, we uplift and empower our customers—and our customers' customers—to make better, more confident decisions. The world's top companies across every major industry trust Teradata to improve business performance, enrich customer experiences, and fully integrate data across the enterprise.

Learn more at Teradata.com.

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