

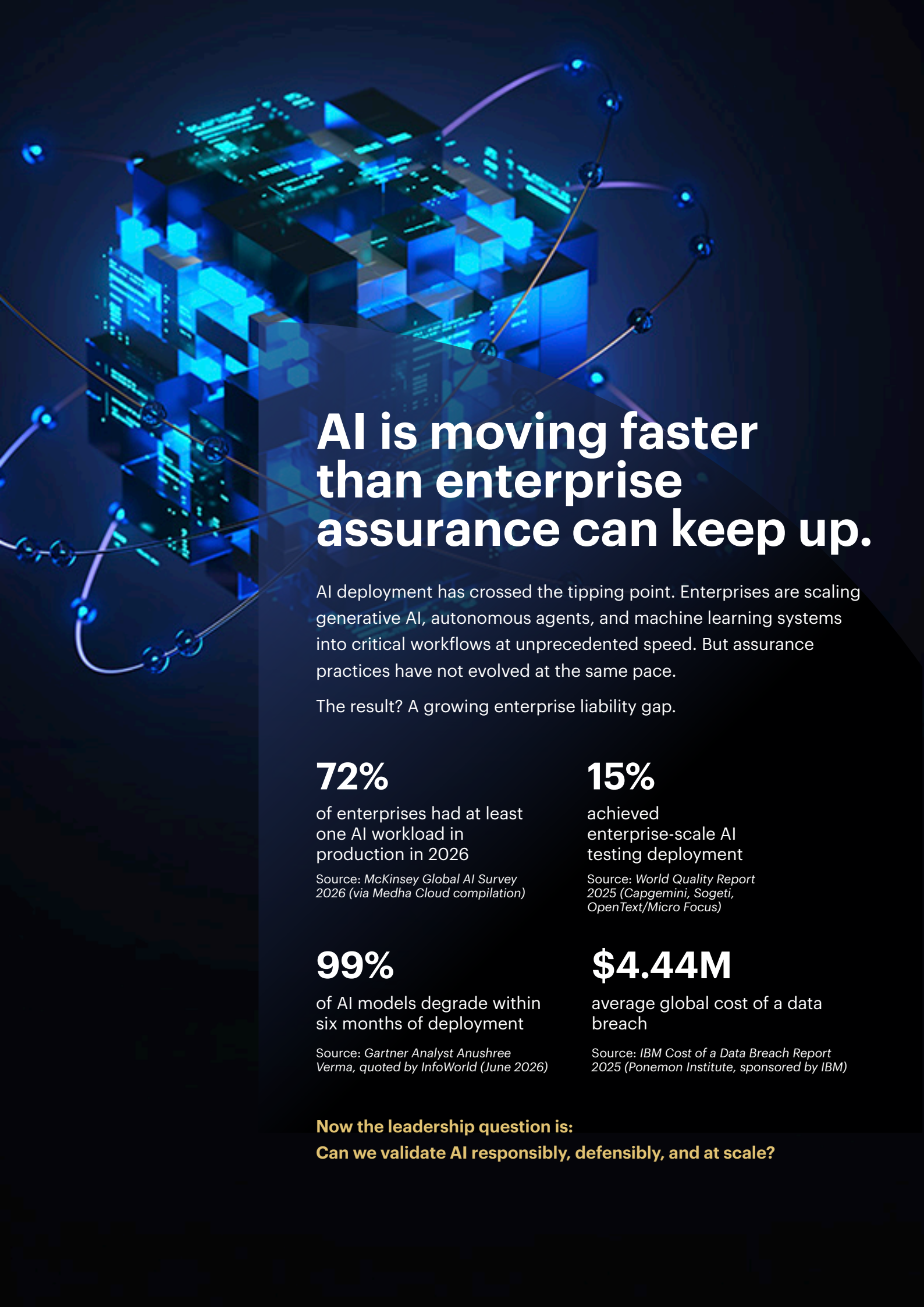
ZenseAI.AssureAI

Move With Confidence

From AI experimentation to
enterprise assurance

 Brochure





AI is moving faster than enterprise assurance can keep up.

AI deployment has crossed the tipping point. Enterprises are scaling generative AI, autonomous agents, and machine learning systems into critical workflows at unprecedented speed. But assurance practices have not evolved at the same pace.

The result? A growing enterprise liability gap.

72%

of enterprises had at least one AI workload in production in 2026

Source: McKinsey Global AI Survey 2026 (via Medha Cloud compilation)

15%

achieved enterprise-scale AI testing deployment

Source: World Quality Report 2025 (Capgemini, Sogeti, OpenText/Micro Focus)

99%

of AI models degrade within six months of deployment

Source: Gartner Analyst Anushree Verma, quoted by InfoWorld (June 2026)

\$4.44M

average global cost of a data breach

Source: IBM Cost of a Data Breach Report 2025 (Ponemon Institute, sponsored by IBM)

Now the leadership question is:

Can we validate AI responsibly, defensibly, and at scale?



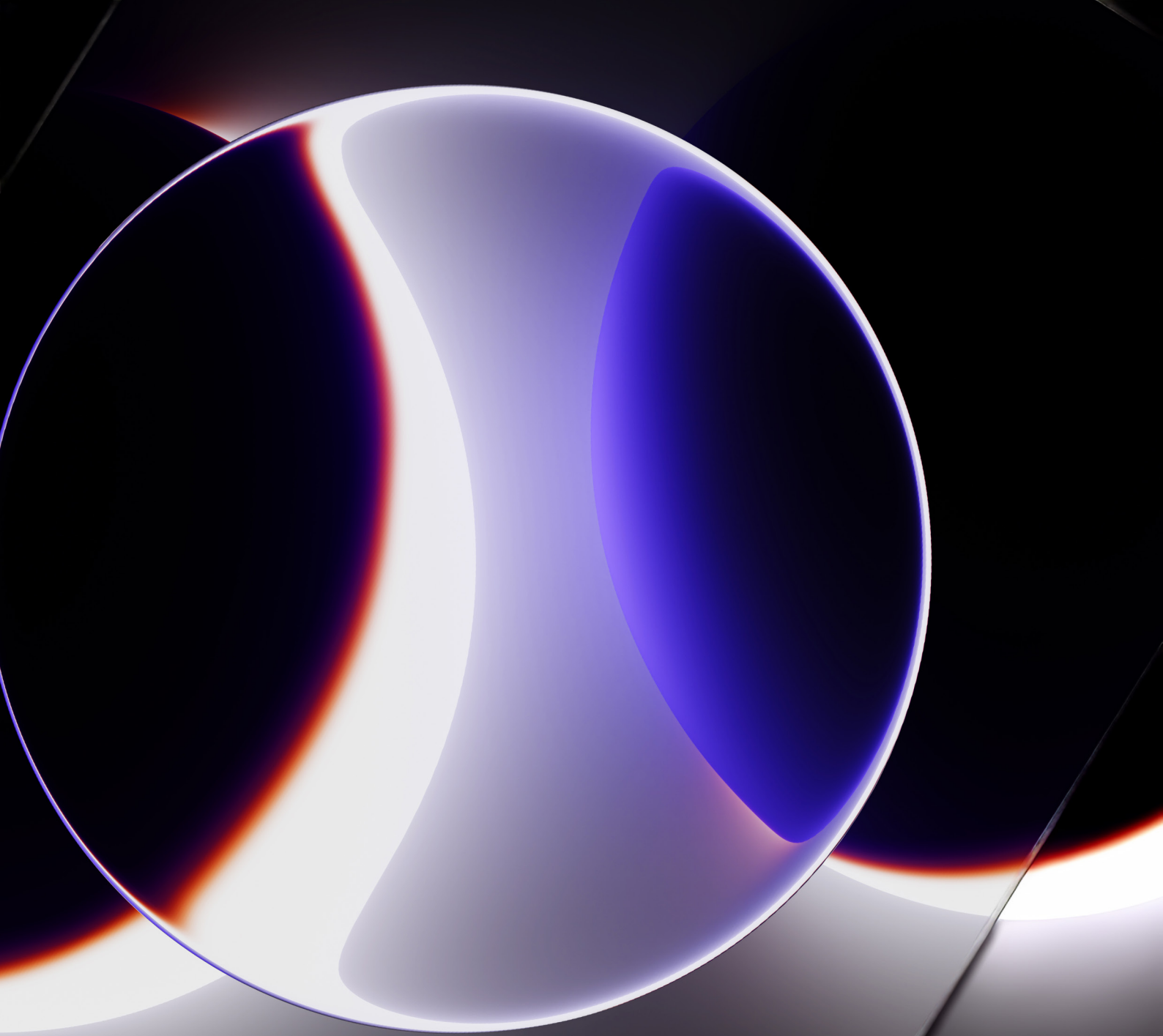
When AI fails, the damage is real

Traditional QA was designed for deterministic software.
AI systems, though, are fundamentally different.

- A hallucinated answer being delivered with complete confidence.
- A retrieval system surfacing plausible but incorrect information.
- An autonomous agent triggering the wrong tool call.
- An AI model quietly degrading in production without detection.

These failures are probabilistic, contextual, difficult to reproduce, and often invisible to conventional regression testing.

That is why traditional testing approaches are no longer enough.



The gap no one talks about

The enterprise AI market has polarized into two extremes:

Generic automated testing tools that cannot handle non-deterministic outputs

One-time bespoke model evaluations that are impossible to scale operationally

What enterprises truly need is something different:

A purpose-built AI assurance practice. One that continuously validates AI systems across the full lifecycle — from data pipelines through agentic deployment.

That is where **ZenseAI.AssureAI** comes in.

A framework for assuring AI quality across the full lifecycle

ZenseAI.AssureAI is not a test tool. It is a comprehensive Quality Engineering framework built to help enterprises operationalize trustworthy, scalable, and production-ready AI systems.

Built for governance and engineered for scale, the AssureAI framework ensures enterprise-grade security and compliance without compromising innovation velocity. It transforms AI assurance from isolated testing activities into a continuous enterprise capability.

Grounded in today's leading governance standards:

NIST AI Risk
Management
Framework (RMF)

ISO/IEC 42001

EU AI Act

Operationalized through:

Proprietary
accelerator tooling

Tiered evaluation
methodologies

ISO 27001-aligned
secure delivery
models

Air-gapped
infrastructure

Complete audit
trails

The four pillars of ZenseAI.AssureAI



Pillar 1: **Data quality assurance** *Validate the foundation.*

AI quality begins with data integrity — because unreliable data creates unreliable intelligence. That's why we assure:

- Schema completeness
- Bias audits
- Drift monitoring
- PII masking
- RAG chunk fidelity
- Privacy compliance



Pillar 2: **Model evaluation** *Test intelligence systematically.*

We ensure systems behave reliably under real-world conditions with evaluation at the:

- Model layer
- Agent layer
- Application layer

Our capabilities include:

- Hallucination detection
- Agentic tool-use testing
- Multi-step reasoning validation
- Jailbreak resistance



Pillar 3: **Trustworthiness and compliance** *Prove responsibility and governance.*

We understand that responsible AI must also be defensible AI. That's why we convert ethical principles into measurable assurance, covering:

- Explainability validation
- Audit-ready governance
- NIST AI RMF alignment
- ISO/IEC 42001 readiness
- EU AI Act preparedness



Pillar 4: **Scalability and security** *Optimize for enterprise pressure.*

For AI systems to remain stable under growing enterprise demand, production AI must perform securely and consistently at scale. That's why we validate:

- Latency benchmarking
- Cost-per-inference analysis
- Prompt injection resilience
- Security penetration testing using Red team for security vulnerability testing/Blue Team for addressing vulnerabilities
- Operational robustness
- Infrastructure resilience

Proven methodology that's grounded in governance

At the core of ZenseAI.AssureAI is a structured catalog of 30+ assurance checks spanning every layer of the AI ecosystem.



Client success story Preventing Fraud and Mitigating Risk In Claims With Real-time AI

The client : A leading US-based insurance provider

The challenge

The enterprise lacked:

A structured
framework for
LLM testing

Scalable
hallucination
detection

Regulatory
readiness ahead of
EU AI Act deadlines

They needed a defensible AI quality framework capable of operating in high-risk insurance environments.

The outcome

<1 second claim
scoring time

65%
precision achieved

1,500 fraudulent claims flagged in
Q1 2025 that existing systems missed

We delivered both operational intelligence and regulatory transparency.

The solution

Using the ZenseAI.AssureAI framework, Zensar implemented:

ML-driven fraud
scoring models

Real-time claims
risk analysis

Explainability
analytics connected
to risk scores

Feature importance
visibility for fraud
triage teams

This wasn't just a QA engagement — it was a quality transformation.



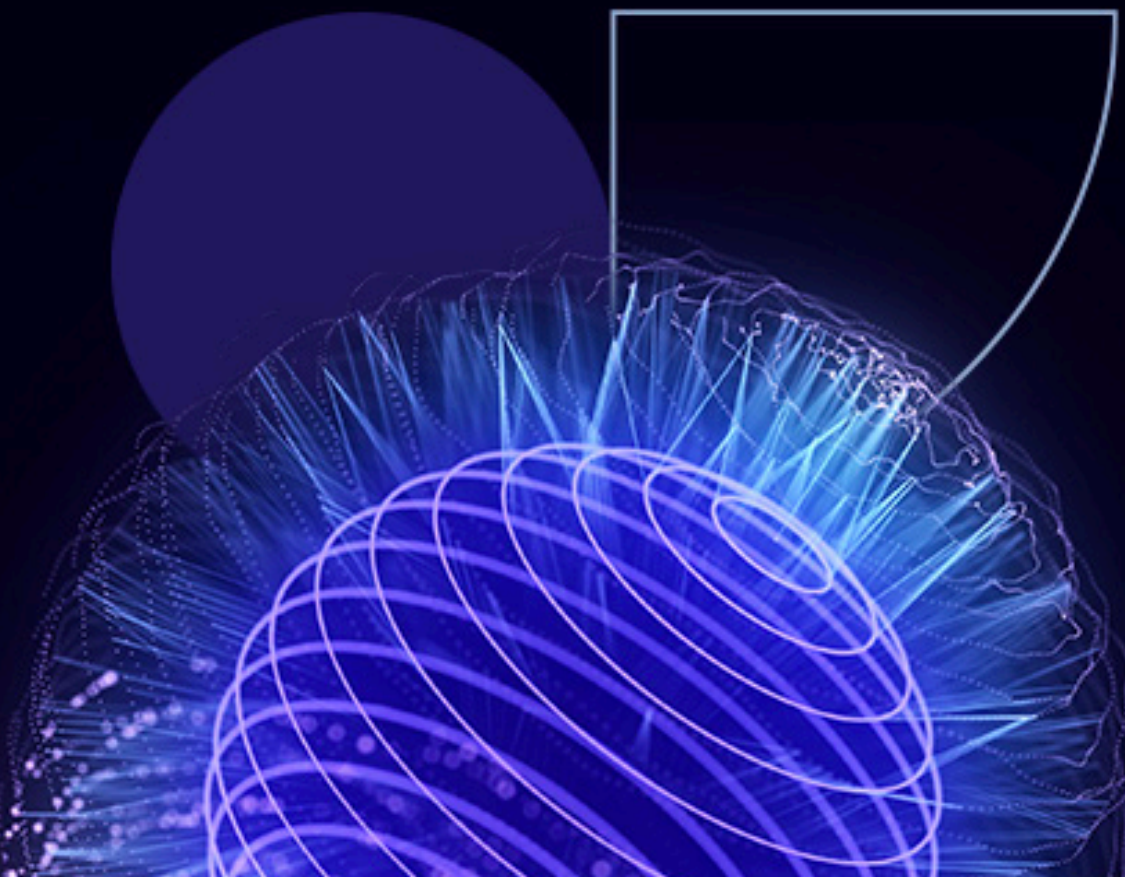
Without quality controls, AI Is liability. With structured quality engineering, AI is competitive advantage.

Enterprises that win with AI will not simply deploy models faster. They will assure them better.

ZenseAI.AssureAI helps organizations move beyond experimentation into scalable, governed, production-grade AI assurance.

If you are ready to validate, monitor, and scale enterprise AI responsibly, ZenseAI.AssureAI is engineered to help you get there.

Schedule a discovery call today. Let's get started.





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An  **RPG** Company

At Zensar, we're 'experience-led everything.' We are committed to conceptualizing, designing, engineering, marketing, and managing digital solutions and experiences for over 145 leading enterprises. Using our 3Es of experience, engineering, and engagement, we harness the power of technology, creativity, and insight to deliver impact.

Part of the \$4.8 billion RPG Group, we are headquartered in Pune, India. Our 10,000+ employees work across 30+ locations worldwide, including Milpitas, Seattle, Princeton, Cape Town, London, Zurich, Singapore, and Mexico City.

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