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TECHNOLOGY INTELLIGENCE

EXECUTIVE BRIEF

India Leads Global Enterprise AI Production Deployments

Enterprise surveys show India now ranks ahead of the United States and China in the proportion of firms running AI models in live production.

CONTROL FRAMEWORK

Rapid Growth of Production AI Projects

In the past year, Indian enterprises have accelerated the transition of AI initiatives from pilot to live service, with many reporting multiple models in continuous operation.

CONTROL FRAMEWORK

Agentic AI Gains Traction

Autonomous AI agents for workflow automation, customer interaction and decision support are being prototyped by large Indian tech firms and a wave of startups.

CONTROL FRAMEWORK

Key Enablers of the Indian AI Surge

→ Robust engineering talent pipeline feeding AI teams

→ National AI strategy with dedicated funding and policy incentives

→ Cloud providers expanding local regions, reducing latency and cost

→ Competitive cost structure attracting global AI workloads

CONTROL FRAMEWORK

Risk Landscape for Production AI

→ Data privacy compliance under the Personal Data Protection Bill

→ Model drift and bias that can erode business outcomes

→ Security of AI APIs and inference endpoints

→ Governance gaps between data science and IT operations

CONTROL FRAMEWORK

CIO & CISO Collaboration Blueprint

→ Joint AI governance board with cross-functional representation

→ Shared risk register for model misuse and adversarial attacks

→ Integrated monitoring of AI performance, data quality and security events

→ Continuous upskilling programs for developers, data scientists and security staff

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CONTROL FRAMEWORK

Maturity Path: From Experiment to Enterprise-wide Agentic AI

→ 1. Pilot & validate a focused AI use case

→ 2. Deploy in production with automated monitoring

→ 3. Scale by introducing autonomous agents across processes

→ 4. Institutionalize governance, audit and continuous improvement

EXECUTIVE TAKEAWAY

Executive Takeaway

India’s enterprise AI market is moving fast, with production deployments and agentic AI at the forefront. CIOs and CISOs must align governance, security and talent strategies to capture value while mitigating risk.