

# ISO 42001 Compliance Automation & Governance Advisory with AI Insights

*Operationalize responsible AI with automated compliance, governance frameworks, and continuous monitoring aligned to ISO/IEC 42001*

As organizations accelerate AI adoption, ensuring responsible, compliant, and well-governed AI systems becomes critical. YASH's ISO 42001 Compliance Automation & Governance Advisory offering enables enterprises to establish an AI Management System (AIMS) through automated assessments, AI-driven control mapping, and governance frameworks—leveraging Microsoft Compliance Manager, Microsoft Purview, and an AI-driven compliance platform.

## What this engagement solves

Organizations often struggle with:

- Lack of structured governance for AI/ML systems and lifecycle management
- Difficulty aligning AI practices with emerging regulatory standards
- Manual & fragmented compliance tracking for AI systems
- Limited visibility into AI risks, impacts & decision accountability
- Challenges in demonstrating responsible AI practices to auditors and stakeholders

This offering enables **governed, compliant, and transparent AI operations at scale.**

## Key Highlights

*Automated ISO 42001 (AIMS) assessments and gap analysis*

*AI-assisted control mapping across clauses and operational controls*

*Responsible AI governance using Microsoft Purview (classification, labeling, lineage)*

*AI risk and impact assessment frameworks with prioritization*

*Continuous monitoring, dashboards, and audit-ready artefacts*

*Governance advisory for AI policies, oversight, and lifecycle management*

# Engagement Approach (Assessment | Implementation | BAU)

## 1) Assessment Phase

### Activities:

- Define AIMS scope (AI systems, models, datasets, stakeholders) and governance roles
- Conduct baseline AIMS assessment and map practices to ISO 42001 clauses and controls
- Perform AI risk and impact assessments with prioritization
- Draft AI governance policies and oversight structures aligned to enterprise risk
- Define evidence requirements and audit criteria

### Benefits:

- Clear understanding of AI governance maturity & compliance gaps
- Structured roadmap for responsible AI adoption
- Alignment with regulatory and enterprise risk frameworks

### Deliverables:

- AIMS posture report with clause/control mapping
- AI risk and impact assessment summaries
- Governance charter (roles, committees, decision rights)
- Remediation roadmap and evidence framework
- Policy and standards update plan

## 2) Implementation Phase

### Activities:

- Configure Microsoft Compliance Manager for AIMS workflows and control tracking
- Integrate Microsoft Purview for:
  - Data classification, labeling, and lineage
  - Retention and governance controls
- Implement:
  - AI model inventory and lifecycle management processes
  - Change control and exception handling procedures
- Develop dashboards for AIMS metrics (risks, controls, audits, exceptions)
- Train teams on AIMS operations and governance practice

### Benefits:

- Centralized and automated AI compliance management
- Improved traceability and accountability across AI lifecycle
- Strong governance foundation for responsible AI adoption

### Deliverables:

- Configured AIMS compliance environment and SOPs
- Evidence pipelines and governance dashboards
- Updated policies, standards, and documentation
- Training materials and operational guidance

## 3) BAU Phase (Continuous AI Governance & Compliance)

### Activities:

- Periodic AIMS reviews and monitoring of risks and improvement actions
- Lifecycle governance for models and data changes with full traceability
- Pre-audit readiness checks and auditor coordination
- Post-audit remediation and continuous improvement cycles
- Annual AIMS maturity and scope review

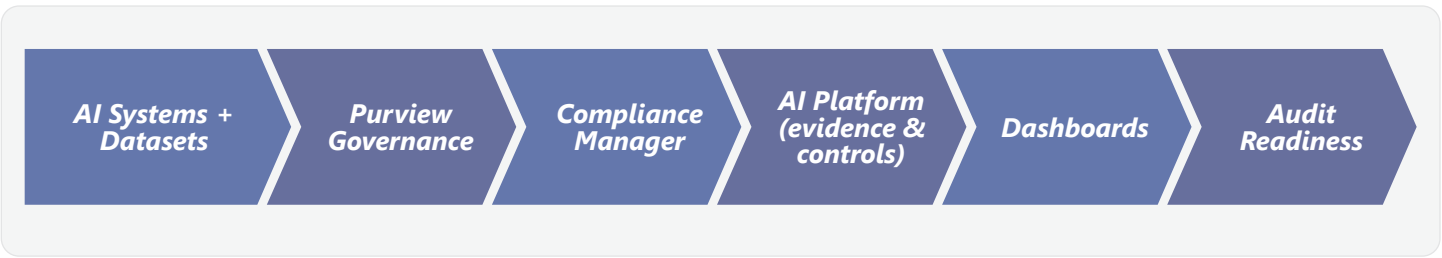
### Benefits:

- Sustained compliance with ISO 42001 and evolving AI regulations
- Continuous visibility into AI risks and governance effectiveness
- Improved trust and transparency in AI systems

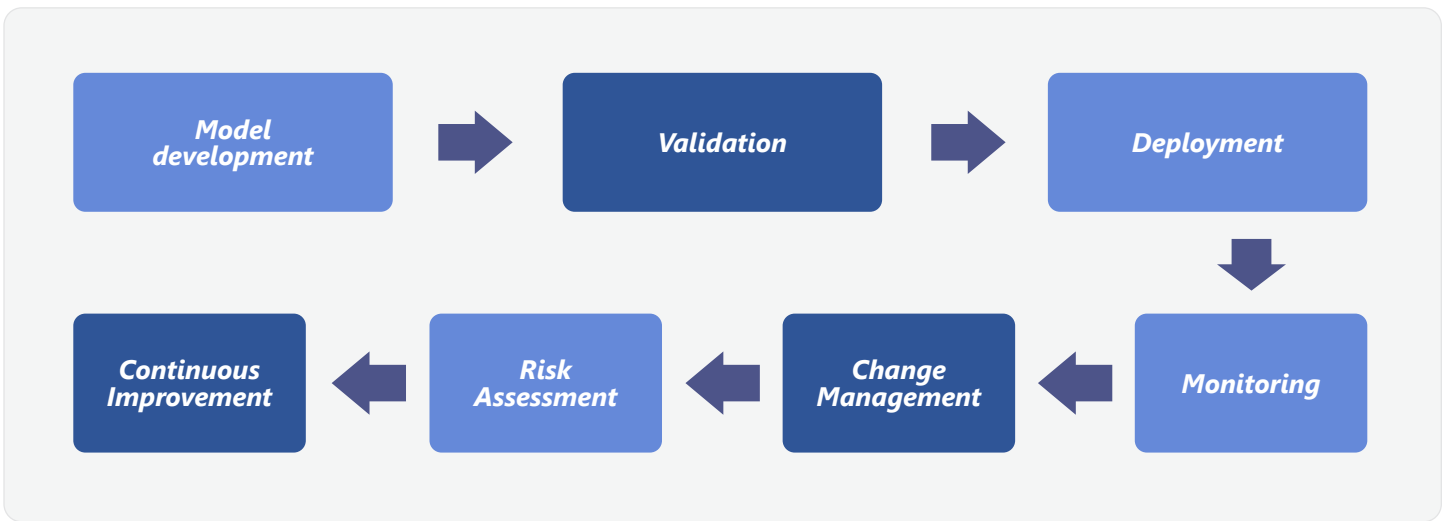
### Deliverables:

- Ongoing AIMS reports, dashboards, and evidence logs
- Updated governance artefacts and corrective action tracking
- Audit readiness documentation & support
- Annual conformance review & roadmap refresh

AI Governance & Compliance Architecture (ISO 42001)



AI Lifecycle Governance Model



Duration | Pricing | Industries

| Duration: (in days / weeks):                               | Price: | Industry Served:                                                                                                                                               |
|------------------------------------------------------------|--------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 3–4 weeks<br>(Assessment + Implementation);<br>BAU ongoing | \$5000 | Manufacturing   Healthcare   BFSI   Retail<br>  Automotive   Energy & Utilities<br>(Tailored for AI/ML-intensive enterprises and<br>data-driven organizations) |



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