Unifying Enterprise Data to Accelerate AI Governance

Global Pharmaceutical Leader

Pharmaceuticals | Enterprise Data Management | AI Governance

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Most organizations assume that scaling AI requires more data infrastructure. In reality, the greatest barrier to enterprise AI is often something less visible.

Across large enterprises, data exists across hundreds of systems owned by different teams, governed inconsistently, and described using conflicting terminology. When organizations attempt to build advanced analytics or AI on top of these environments, they frequently encounter a structural limitation: teams cannot confidently determine **what data exists, what it means, or whether it can be trusted.**

For highly regulated industries such as pharmaceuticals, this challenge becomes even more significant. AI initiatives require not only access to large volumes of data but also clear governance, lineage, and contextual understanding.

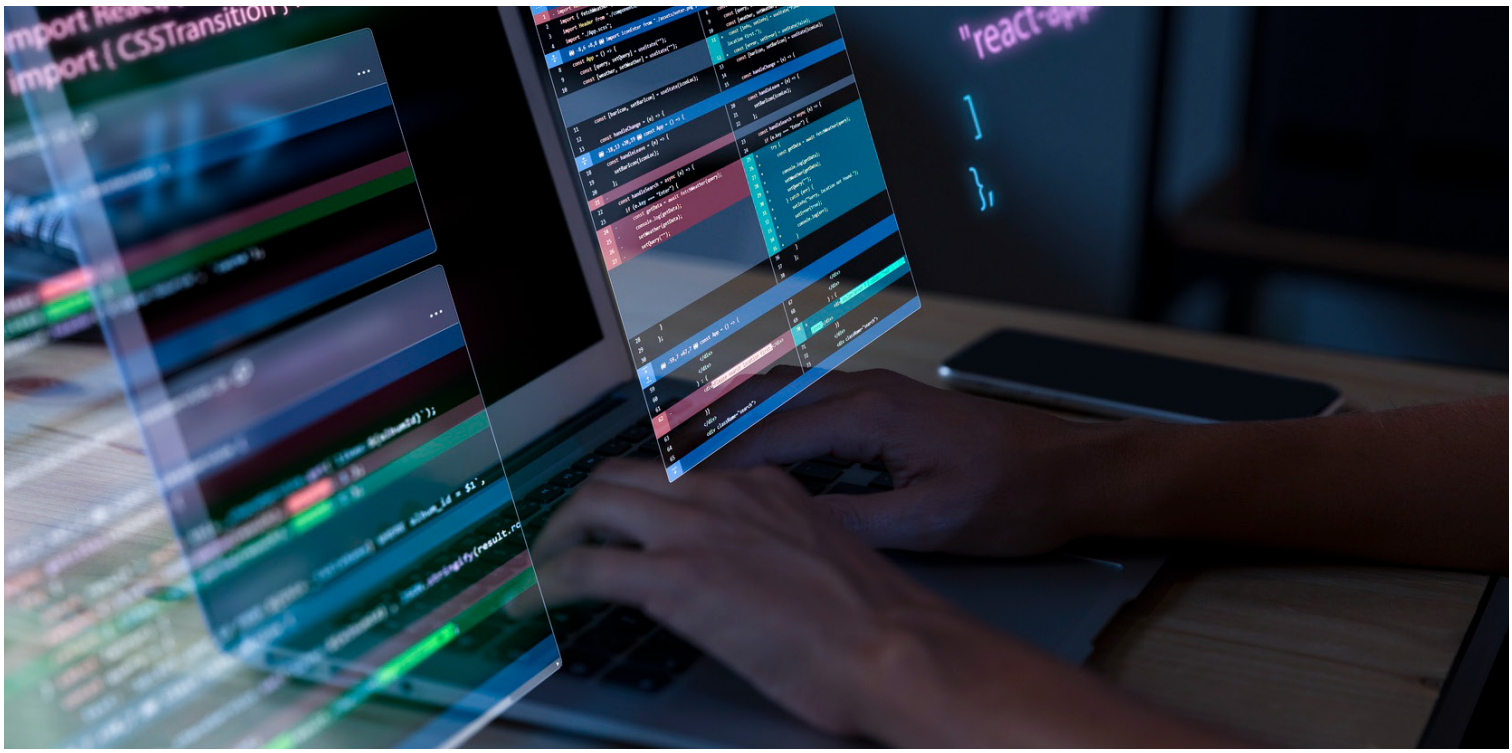
A global pharmaceutical leader encountered this challenge **while scaling AI and machine learning initiatives across its enterprise operations.**

EXECUTIVE SNAPSHOT

A global pharmaceutical organization managing complex operations across supply chain, manufacturing, finance, legal, compliance, and regulatory functions faced a fragmented enterprise data landscape.

Over time, the organization had accumulated numerous data repositories maintained by individual business units. These repositories frequently contained inconsistent metadata, redundant datasets, and differing definitions for key business concepts.

Without an authoritative metadata framework, teams struggled to discover and trust enterprise data assets, limiting cross-functional collaboration and slowing the organization's ability to scale analytics and AI initiatives.



To address this challenge, the client partnered with Myridius to implement an Enterprise Data Enablement Model centered on governed metadata management and enterprise data cataloging. The initiative established a unified enterprise data catalog, standardized metadata definitions across systems, and embedded governance workflows directly into the lifecycle of enterprise data assets.

By connecting datasets with clear business context and governance controls, the organization created a trusted foundation capable of supporting enterprise analytics and responsible AI deployment.

OPERATIONAL REALITY

Global pharmaceutical organizations operate within some of the most complex data environments across industries. Scientific research, manufacturing operations, supply chain logistics, regulatory compliance, and commercial activities each generate large volumes of data across specialized systems. Within this organization, enterprise data assets existed across numerous platforms spanning on-premise infrastructure, cloud services, and SaaS applications. Individual business units frequently created their own data repositories and analytics pipelines to meet domain-specific needs.

Over time, this decentralized growth produced a fragmented data ecosystem. Metadata quality varied significantly across systems, and many datasets lacked authoritative definitions or documentation. In several cases, identical data elements were described differently across departments, leading to conflicting interpretations & slowing enterprise decision-making. These issues became increasingly apparent as the organization expanded its analytics and AI initiatives.

Data scientists and analysts spent considerable time identifying and validating datasets before they could begin analysis. The lack of unified metadata also introduced governance and compliance challenges, particularly when demonstrating lineage and traceability across systems.

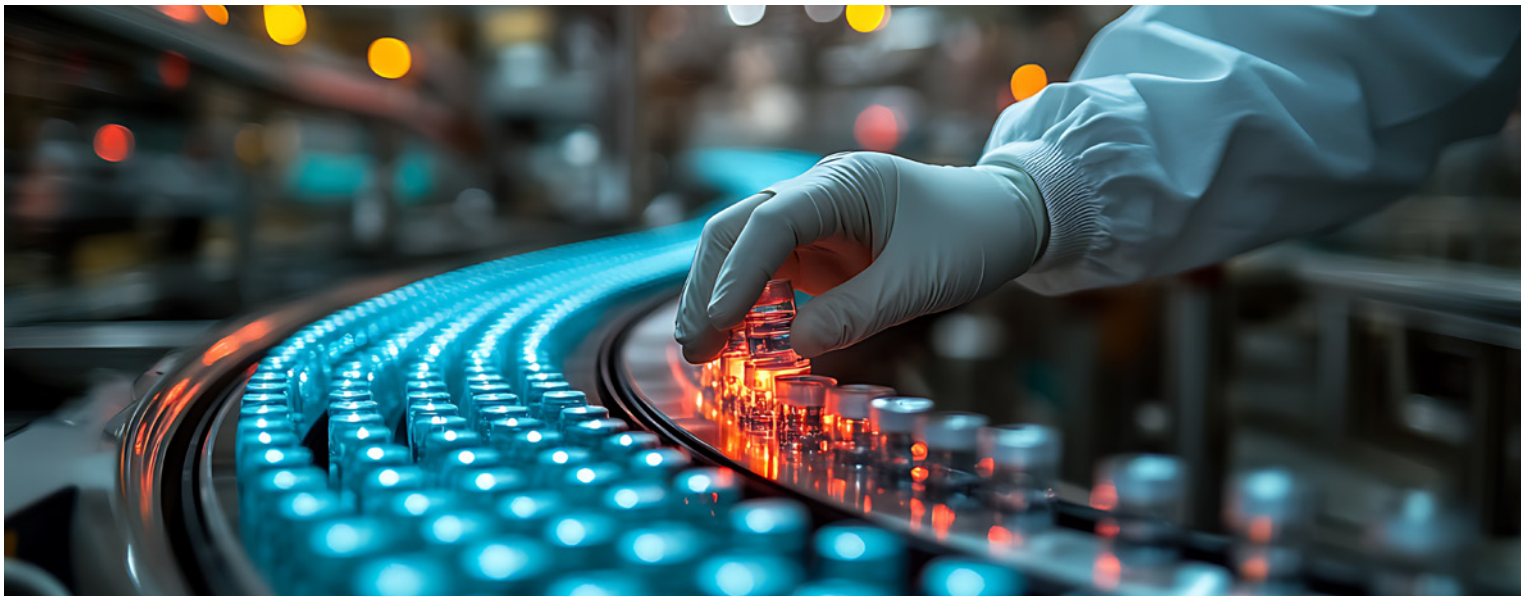
Leadership recognized that scaling analytics and AI required establishing a governed, enterprise-wide understanding of data assets and their context.

THE CHALLENGE OPERATIONAL, TECHNOLOGY & RISK DIMENSIONS

The organization's enterprise data landscape presented challenges across several dimensions.

From an operational perspective, data assets were distributed across numerous business units without standardized onboarding or governance processes. Because teams could not easily discover existing datasets, duplicate data pipelines and redundant datasets frequently emerged.

From a technology perspective, environment consisted of multiple data platforms with differing schemas, formats, & naming conventions. Metadata quality varied significantly across repositories, and there was no single authoritative system responsible for maintaining enterprise data definitions.



The risk dimension was particularly critical given the regulatory environment of the pharmaceutical industry. AI and advanced analytics initiatives require clear data lineage, governance controls, and traceability. Without a consistent metadata framework, demonstrating regulatory compliance and ensuring responsible AI deployment became increasingly difficult. Previous attempts to address these issues relied primarily on tool implementations without sufficient attention to governance processes or organizational adoption.

As a result, earlier initiatives struggled to achieve enterprise-wide impact. The organization required a solution capable of **unifying data context while embedding governance directly into operational workflows.**

WHY MYRIDIUS

The organization engaged Myridius because of its ability to address enterprise data challenges at the level of operating models rather than technology tools alone.

Myridius approaches enterprise data transformation through **three core principles.**

Enterprise Data Enablement Model

Rather than implementing isolated technologies, Myridius designs enterprise data environments in which governance, metadata management, and analytics consumption operate as a unified enablement model. This approach aligns people, processes, and platforms to create a sustainable foundation for enterprise intelligence.

Metadata as the Enterprise Control Plane

Metadata provides the contextual layer that allows organizations to understand and govern data across distributed systems. Standardizing definitions, lineage, and governance policies enables a consistent understanding of enterprise data assets across domains.

Governance Embedded into Workflows

Effective governance must occur within the lifecycle of data assets rather than existing as an external compliance function. Embedding governance into operational workflows ensures that data context remains accurate and sustainable as systems evolve.

By applying these principles, **Myridius implemented an Enterprise Data Enablement Model** capable of supporting enterprise analytics adoption and responsible AI deployment.

THE SOLUTION ARCHITECTURE & WORKFLOW LAYER

Myridius implemented a metadata-driven governance architecture designed to unify enterprise data context while preserving the autonomy of existing systems.

Key components of the solution included

Enterprise Data Catalog

Collibra was implemented as the central repository for enterprise data definitions, types & governance rules. The catalog was integrated with the organization's existing business glossary & connected to data repositories across the enterprise.

Metadata Remediation

Existing metadata was systematically reviewed & improved through a structured remediation initiative. Redundant or inconsistent definitions were eliminated & enterprise ontologies and taxonomies were developed to standardize how data assets were described across business domains.

Governance Workflow Digitization

Data governance processes were digitized within the enterprise data environment, ensuring that new or modified datasets were onboarded through structured governance workflows before becoming available for enterprise consumption.

Organizational Change Management

To ensure sustained adoption, Myridius delivered structured enablement programs designed to improve enterprise data literacy and reinforce metadata stewardship across business units.

HOW THE ENTERPRISE DATA ENABLEMENT MODEL OPERATES

The transformation was delivered through coordinated workstreams that collectively established the organization's Enterprise Data Enablement Model. These workstreams aligned architecture, governance processes, and user adoption to ensure enterprise data assets could be discovered, understood, and governed consistently.

ASSET ENABLEMENT

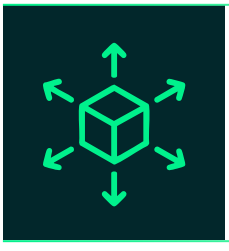
Enterprise data assets including datasets, reports, analytic models, and documentation were cataloged and enriched with standardized metadata. This process created the contextual foundation necessary for enterprise-wide data discovery.

PERSONA-BASED VISIBILITY

Role-specific views were introduced within the enterprise catalog to support different personas including Business Stewards, Technical Stewards, and Business Analysts. These views allowed stakeholders to interact with data assets in ways aligned with their responsibilities.

GOVERNANCE OPERATIONS

Governance workflows were embedded directly into the lifecycle of enterprise data assets. Metadata capture, validation, and approval steps ensured that datasets entered the ecosystem with appropriate context, ownership, and governance controls.



CONTINUOUS METADATA IMPROVEMENT

Metadata quality was sustained through ongoing stewardship processes and automated metadata harvesting capabilities that ensured metadata remained aligned with evolving systems and data assets.

Through this **Enterprise Data Enablement Model,** the organization established a **governed data ecosystem** capable of supporting analytics, collaboration, and enterprise-scale AI initiatives.

MEASUREABLE IMPACT

The initiative significantly improved how enterprise data was understood, governed, and consumed across the organization.

By establishing a unified metadata architecture and embedding governance into operational workflows, the organization created a trusted foundation capable of supporting enterprise analytics and AI initiatives.

Operational transformation was visible across multiple areas.

OPERATIONAL AREA	BEFORE MYRIDIUS	AFTER MYRIDIUS
Enterprise Data Discovery	Data assets scattered across siloed repositories with limited documentation	*Unified enterprise catalog enabling rapid discovery of 10,000+ governed datasets*
Metadata Consistency	Inconsistent definitions and redundant metadata across systems	*Standardized ontology & taxonomy aligning definitions across 20+ domains across business & tech functions*
Governance Processes	Manual governance activities with limited enterprise visibility	*Digitized governance workflows embedded into the data lifecycle*
AI Development Readiness	Data scientists struggled to locate trusted training data	*Context-rich datasets accessible through governed enterprise catalog reduced dataset discovery time by 40–60%*
Cross-Functional Collaboration	Data sharing required manual coordination between business units	*Shared metadata ecosystem enabling enterprise-wide collaboration*
Regulatory Traceability	Limited lineage visibility across distributed systems	*Progressively improved end-to-end metadata lineage as additional Business Units are onboarded*

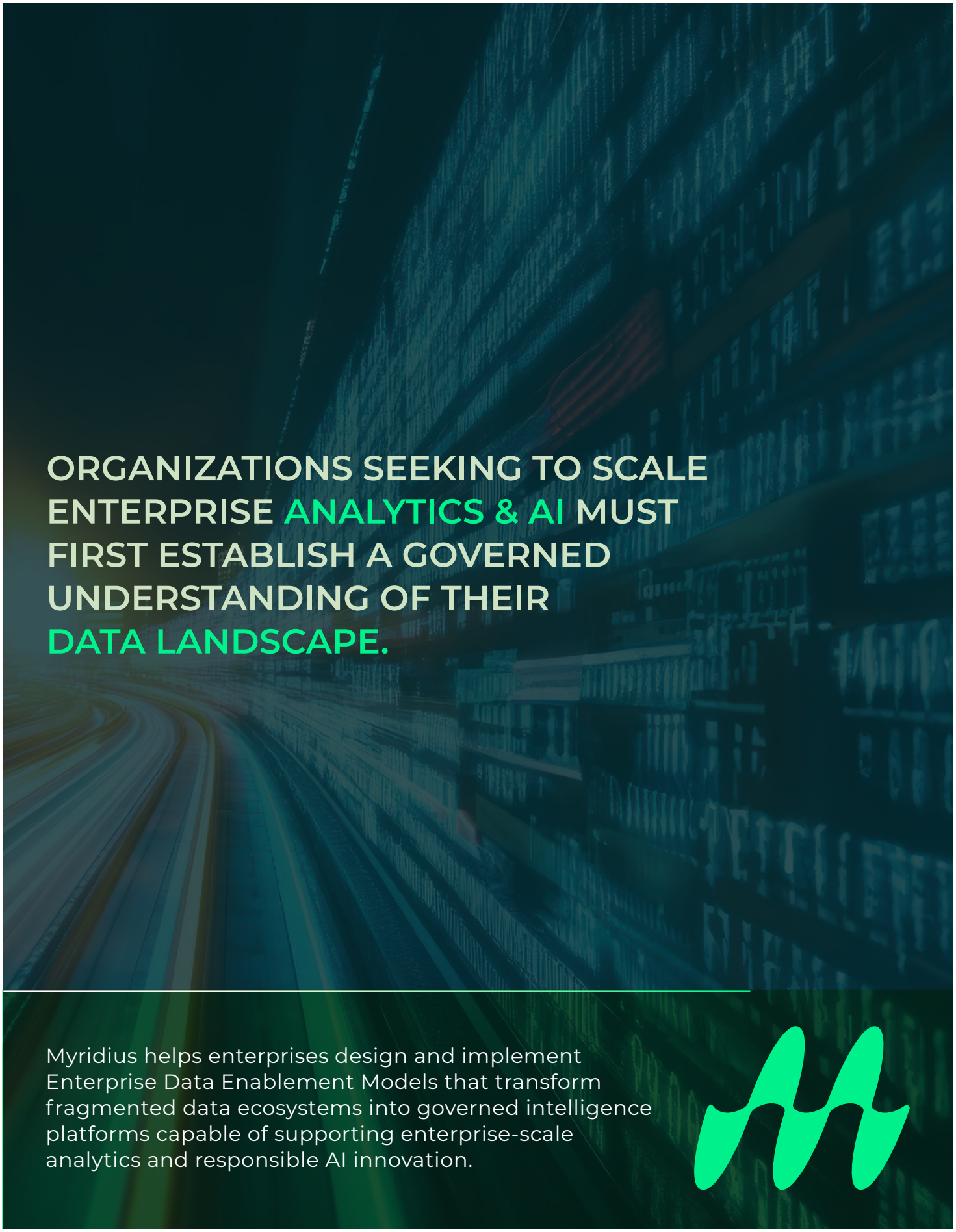
WHY THIS MATTERS

As enterprises accelerate AI adoption, the ability to govern and understand enterprise data becomes increasingly important. Organizations often focus on expanding analytics infrastructure, yet the real constraint to scaling AI is frequently the absence of consistent data context.

AI governance requires traceability of models and training data, clear ownership of data assets, and visibility into how datasets are derived and used across models. By establishing standardized metadata definitions, lineage, and governance workflows, the enterprise catalog created the traceability layer required for responsible AI deployment.

By implementing an Enterprise Data Enablement Model, this global pharmaceutical leader transformed fragmented data repositories into a unified enterprise knowledge layer.

The result is a data ecosystem where employees can confidently discover, understand, and use enterprise data while maintaining the governance and traceability required in a highly regulated industry.


ORGANIZATIONS SEEKING TO SCALE ENTERPRISE ANALYTICS & AI MUST FIRST ESTABLISH A GOVERNED UNDERSTANDING OF THEIR DATA LANDSCAPE.
Myridius helps enterprises design and implement Enterprise Data Enablement Models that transform fragmented data ecosystems into governed intelligence platforms capable of supporting enterprise-scale analytics and responsible AI innovation.

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Bringing Genius Together.

About Myridius

Myridius, formerly RCG Global Services has been at the forefront of helping enterprises transform through technology. Today, we are shaping the next era of digital engineering an AI-native era where success is defined not by scale alone, but by speed, intelligence, and measurable business outcomes. Myridius brings together deep domain expertise, modern engineering, and AI-first innovation to help organizations move beyond experimentation and achieve real impact. We partner with clients in Financial Services, Healthcare, Travel, and Manufacturing to modernize core systems, unlock data-driven insights, and create new digital business models that drive growth and resilience. Anchored in more than 50 years of industry heritage and powered by a future-focused mindset, Myridius is the partner of choice for enterprises seeking to reinvent themselves with confidence delivering not just digital transformation, but business transformation at scale.

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