



10-20x Faster Roadmaps to Labs to Market

From Months to Momentum: Accelerating Data Strategy with GenAI

In today's landscape, traditional data strategy cycles are too slow. By the time a six-month roadmap is finalized, the technology has already shifted. **Xentity accelerates this process from weeks to days.** We leverage an **AI-driven, Open GenAI Business Case Analysis** method to move your organization from planning to momentum, to ensure data programs are ready for the "Intelligence Age".

- **Solutions built on a Proven, Government-Tested Method Foundation for Enterprises**
- **Accelerate business phases for Desk Audit and Initial Findings Phases by 10-20x**
- **Use of AI as a Socratic Partner, Not Just a Prompt Tool**
- **From Analysis to a Tangible "Modernization Blueprint" with early identified JumpStart Labs**
- **From Theory to Proven Practice: The Wildland Fire Case Study** see our [blog](#) on the method

Top Strategic Asks:

- Automate Feeds to AI Training
- Big, Fast, Geo Data Integration for Critical Decision Support
- Reduce Data Subscriptions
- End-to-End Enterprise or Open Datasets
- Enterprise Data to Knowledge Platforms

Our Core Method: An Open GenAI Business Case Analysis Best Practice: A Methodology for Data Program Transformation

[About](#) | [Audience](#) | [Background](#) | [Template Toolkit](#) | [Case Study](#) | [GenAI Facilitator](#) | [Download Method \(PDF\)](#)

We don't just "do AI" we leverage AI to engineer your strategy. Our approach uses an LLM as a **Socratic Partner** to accelerate desk audits and synthesis by **10-20x**, to transform vast document libraries into actionable insights.

ALIGN	SCOPE	MISSION	TECH	BLUEPRINT	GOVERN
Confirm executive sponsorship and purpose	Define the problem, scope, and stakeholder	Analyze "as-is" business state and prioritize	Assess data readiness and analyze risks	Investment basis, labs and plan	Establish leadership and performance models
Identify core teams and line-of-sight	Hone focus areas with rapid mass input images	Map high-value human-in-the-loop scenarios	Establish key architecture stacks & patterns	Execute & Integrate labs for early technical proof	Agile roadmap w/ full standards
Value: Complete alignment; prevents costly mid-project goal drift	Value: Compelling focus; avoids "boiling the ocean" inefficiency	Value: Faster ROI; targets immediate operational efficiency gains	Value: Complete visibility; ensures trustworthy, hallucination-free inputs	Value: Compelling scale; transforms processing beyond human limits	Value: Faster adaptation; maintains long-term reliability



Example Delivery Solution Highlights

The U.S. NSDI Blueprint (National Spatial Data Infrastructure)

Xentivity applied its **Open GenAI Business Case Analysis** method to revitalize the national framework for geospatial data, to transition from a stagnant planning phase to modernization-ready state. Through AI-driven workflows, we accelerated the identification of interoperability gaps and refined the technical path forward for federal data sharing.

- **The Challenge:** The NSDI faced silos in multi-agency data technology, hindering the national ability to leverage critical spatial information for decision-making
- **The Approach:** We ingested 300 policies, audits, past architectures, strategic plans and established business, governance, and community recommendations along with the architecture, components, and detailed capability requirements and labs. The blueprint time was reduced from 18 months to 3 months with 1 month to full draft.
- **The Result:** A clear, actionable blueprint aligned with the NSDI Strategic Plan directives, re-use of past labs, modern architecture, and a new model to reinvent the U.S. NSDI. This project established a unified solution across stakeholders, investment to accelerate data accessibility, utility, and lowered burden and investment for the NSDI partner community.

OGC Climate & Disaster Generative AI Vision

Xentivity authored seminal Engineering Reports for the **Open Geospatial Consortium (OGC)**, to assess how GenAI can transform wildland fire (WF) management and the insurance sector.

- **Wildland Fire Management:** We assessed domain adaptation for the NIMS/ICS lifecycle. We identified 12+ core data needs, which include raster, fuels, and thermal detections. The resulting blueprint prioritizes **Safety Advisory** and **Fire Behavior Modeling** through a conceptual engine integrating RAG, GANs, and AI Agents.
- **Wildland Fire - Insurance Industry:** This effort focused on strengthening Canadian insurance resilience. We performed a rapid inventory of over **200 Canadian datasets** mapped to high-value use cases like **Claims Automation** and **Predictive Pricing Models** to ensure data-driven ROI.

The Result: In short time, we leveraged the method and GenAI development of reports to provide a forward-looking roadmap for GenAI adoption with a common set of capabilities and components for the Wildland Fire community. It ensures data provenance, traceability, and ethical deployment in wildfire analytics.

About Xentivity

We balance the transformative potential of GenAI with a grounded, human-centric approach. Our goal is to supplement experiential knowledge with scalable technology, to ensure your data strategy is not just a document, but a competitive advantage

Xentivity is a leading Large Data Program Integrator which specializes in geospatial, open, big data, IoT/remote sensing, and voice data. With over 20 years of experience, we have served a diverse client base of over 300 clients.