innova
SOLUTIONS

Gen AI: Get Ready to Seize Your Share in a $4.4 Trillion Global Gen AI Economy

aws PARTNER
Advanced Tier Services

As Generative AI (Gen AI) seamlessly permeates different aspects of our lives, it is going to change the way we fundamentally:

Access and Process Information

Address customer demands

Operate Businesses

With its potential to significantly impact the **anatomy of work** across all industries, the era of Gen AI is just beginning.
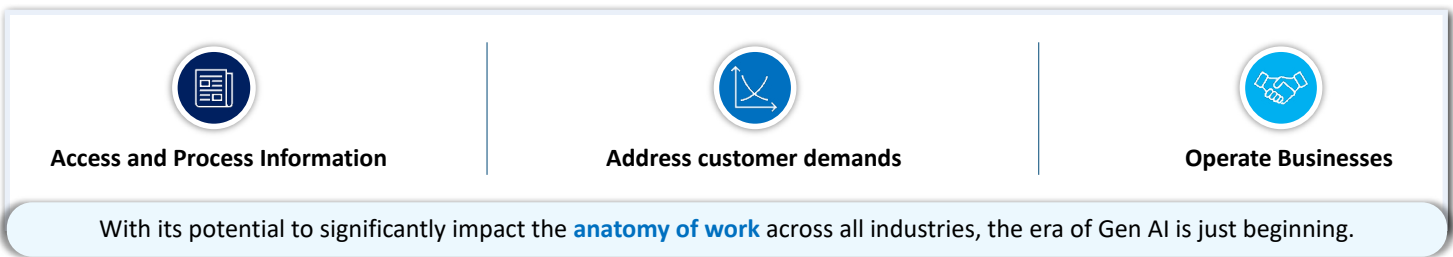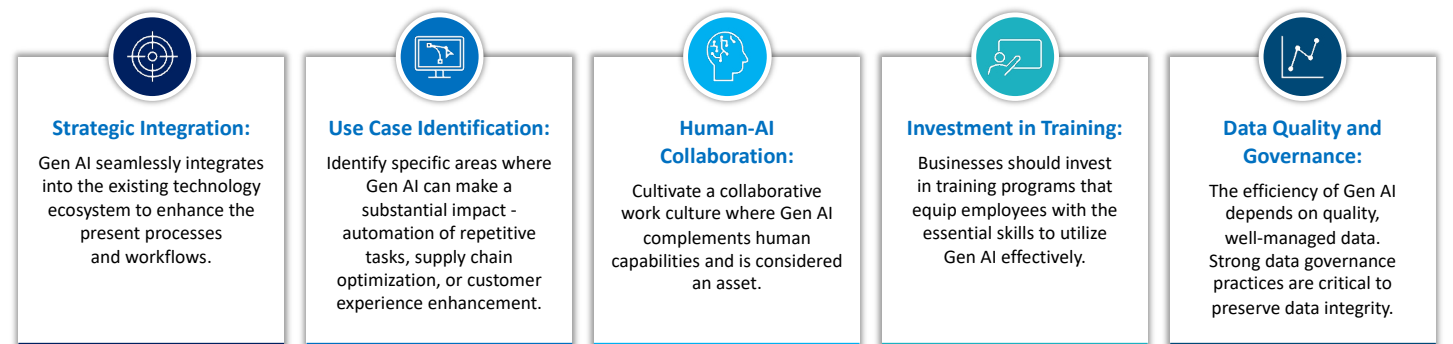
Key Levers to Pull: Leveraging Gen AI for Transformative Business Outcomes

Gen AI's ability to influence the majority of business functions makes it critical to unlock the complete potential of Gen AI through a strategic journey that includes:
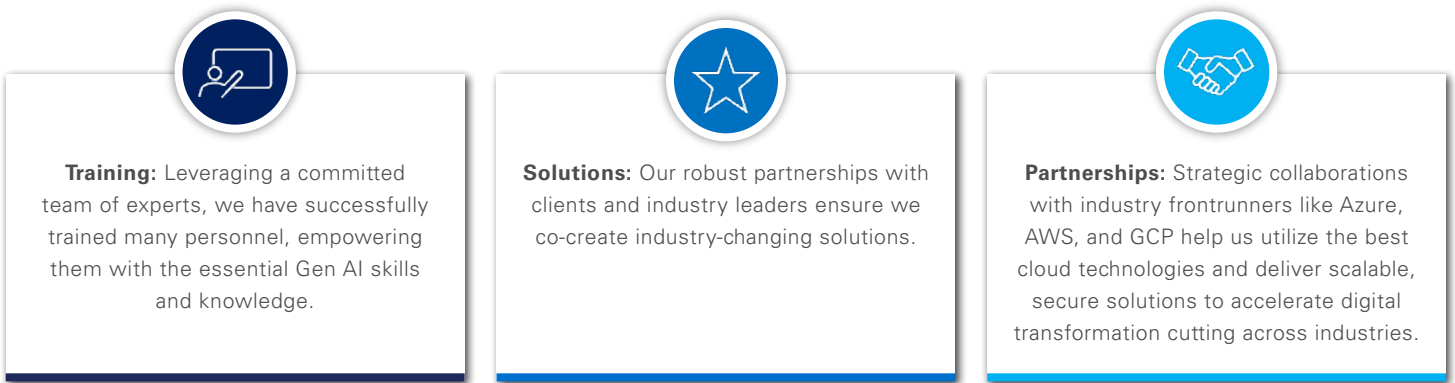
Reimagining Technology Strategies > **Investment in Employee Training** > **Adapting to an Evolving Technology Landscape**

Businesses can optimize the operational benefits of Gen AI by taking the following steps:

Strategic Integration:
Gen AI seamlessly integrates into the existing technology ecosystem to enhance the present processes and workflows.

Use Case Identification:
Identify specific areas where Gen AI can make a substantial impact - automation of repetitive tasks, supply chain optimization, or customer experience enhancement.

Human-AI Collaboration:
Cultivate a collaborative work culture where Gen AI complements human capabilities and is considered an asset.

Investment in Training:
Businesses should invest in training programs that equip employees with the essential skills to utilize Gen AI effectively.

Data Quality and Governance:
The efficiency of Gen AI depends on quality, well-managed data. Strong data governance practices are critical to preserve data integrity.
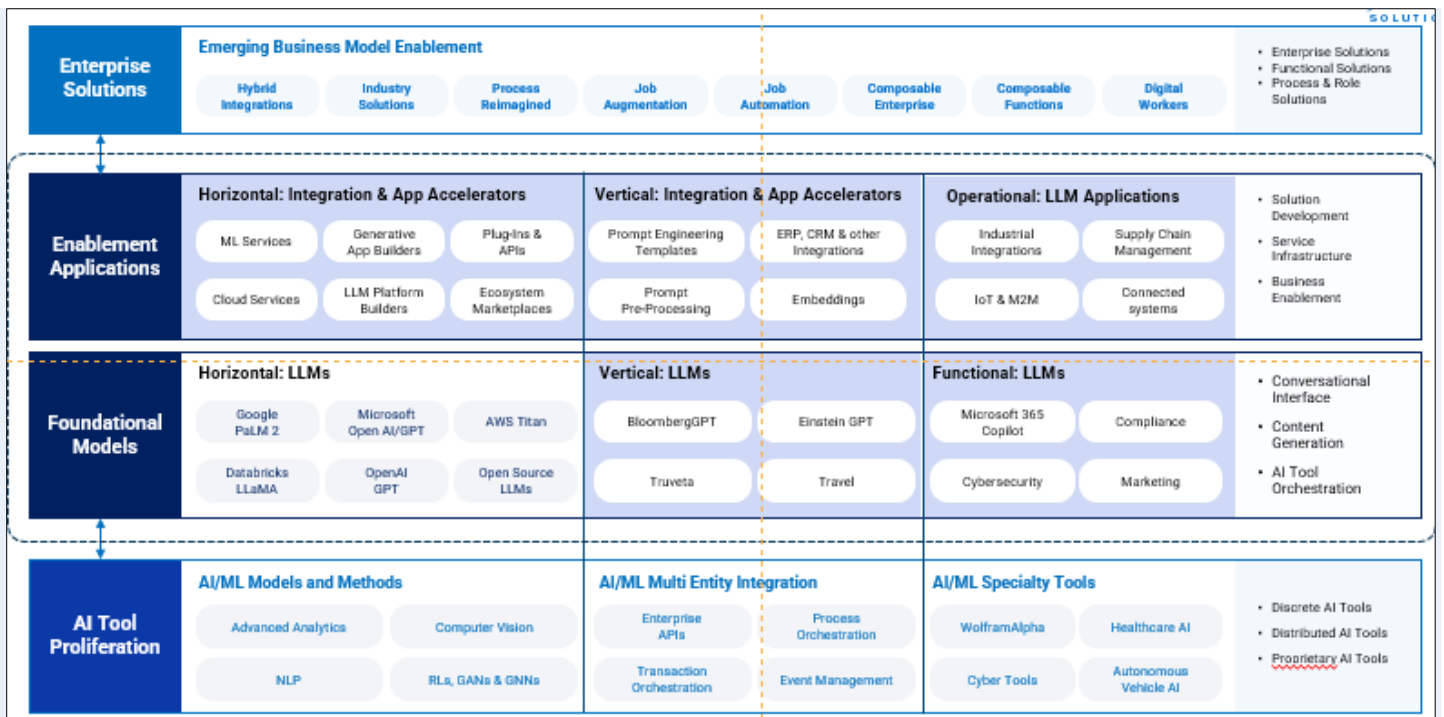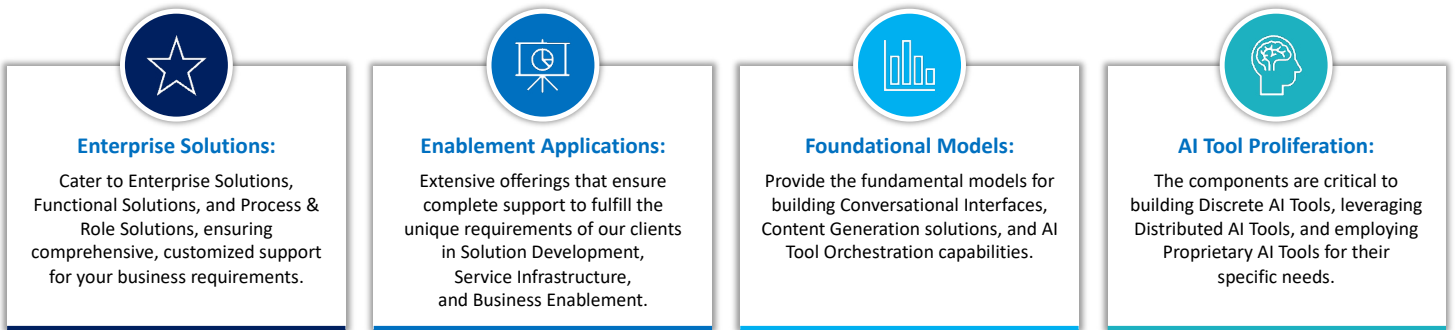
Pillars that Support the Edifice of Innova Solutions' Generative AI Ecosystem

At Innova Solutions, we recognize that Gen AI is an unchartered territory where you intend to venture. Therefore, we collaborate closely with you throughout your Gen AI journey. Our Gen AI ecosystem is based on three pillars:

Training: Leveraging a committed team of experts, we have successfully trained many personnel, empowering them with the essential Gen AI skills and knowledge.

Solutions: Our robust partnerships with clients and industry leaders ensure we co-create industry-changing solutions.

Partnerships: Strategic collaborations with industry frontrunners like Azure, AWS, and GCP help us utilize the best cloud technologies and deliver scalable, secure solutions to accelerate digital transformation cutting across industries.

Core Enablers: Innova's Generative AI Accelerators

Enterprise Solutions:
Cater to Enterprise Solutions, Functional Solutions, and Process & Role Solutions, ensuring comprehensive, customized support for your business requirements.

Enablement Applications:
Extensive offerings that ensure complete support to fulfill the unique requirements of our clients in Solution Development, Service Infrastructure, and Business Enablement.

Foundational Models:
Provide the fundamental models for building Conversational Interfaces, Content Generation solutions, and AI Tool Orchestration capabilities.

AI Tool Proliferation:
The components are critical to building Discrete AI Tools, leveraging Distributed AI Tools, and employing Proprietary AI Tools for their specific needs.

Enterprise Solutions	Emerging Business Model Enablement								Enterprise Solutions • Functional Solutions • Process & Role Solutions
	Hybrid Integrations	Industry Solutions	Process Reimagined	Job Augmentation	Job Automation	Composable Enterprise	Composable Functions	Digital Workers	

Enablement Applications	Horizontal: Integration & App Accelerators			Vertical: Integration & App Accelerators		Operational: LLM Applications		Solution Development • Service Infrastructure • Business Enablement
	ML Services	Generative App Builders	Plug-Ins & APIs	Prompt Engineering Templates	ERP, CRM & other Integrations	Industrial Integrations	Supply Chain Management	
	Cloud Services	LLM Platform Builders	Ecosystem Marketplaces	Prompt Pre-Processing	Embeddings	IoT & M2M	Connected systems	

Foundational Models	Horizontal: LLMs			Vertical: LLMs		Functional: LLMs		Conversational Interface • Content Generation • AI Tool Orchestration
	Google PaLM 2	Microsoft Open AI/GPT	AWS Titan	BloombergGPT	Einstein GPT	Microsoft 365 Copilot	Compliance	
	Databricks LLaMA	OpenAI GPT	Open Source LLMs	Truveta	Travel	Cybersecurity	Marketing	

AI Tool Proliferation	AI/ML Models and Methods		AI/ML Multi Entity Integration		AI/ML Specialty Tools		Discrete AI Tools • Distributed AI Tools • Proprietary AI Tools
	Advanced Analytics	Computer Vision	Enterprise APIs	Process Orchestration	WolframAlpha	Healthcare AI	
	NLP	RLs, GANs & GNNs	Transaction Orchestration	Event Management	Cyber Tools	Autonomous Vehicle AI	

Our Gen AI Services Offerings

Gen AI Advisory

Gen AI Task Force Establishment

To kickstart your Gen AI journey, we help you establish a dedicated Gen AI task force trained on AWS AI/ML tools like SageMaker and Comprehend. The task force will promote Gen AI, align it with your business goals, and supervise its successful implementation using AWS's suite of AI services.

Adoption Strategy & Roadmap Development

Leveraging AWS's extensive AI/ML resources, we create an inclusive adoption strategy. The roadmap will outline steps, timelines, and milestones required to seamlessly integrate Gen AI into your organization's operations using AWS technologies.

Readiness Assessment

Using AWS's Machine Learning Evaluation Solutions, we conduct a thorough assessment to evaluate your existing capabilities, infrastructure, and talent pool against AWS best practices, highlighting the areas that might benefit from additional AWS services or training.

Security, Data Privacy, and Compliance Strategy

With AWS's focus on security, we develop strategies incorporating AWS AI/ML security best practices. We use AWS security services to safeguard your data and comply with data protection standards, benefiting from AWS's built-in compliance frameworks.

Adoption

Gen AI Environment

Gen AI Service Infrastructure Evaluation

We assess your infrastructure's capabilities using tools like AWS Well-Architected Tool and AWS Config to identify areas for enhancement or modernization for supporting Gen AI services, ensuring optimal performance on AWS's AI/ML platforms like SageMaker and Lex.

Establish Gen AI Ecosystem

With AWS's vast array of AI/ML services, we help create an environment where your teams can experiment, co-innovate, and develop cutting-edge Gen AI solutions, fostering AI-driven growth within your organization.

Co-Innovation Gen AI Lab

Our co-innovation Gen AI lab, built upon AWS's infrastructure, offers a collaborative space where your teams work with our experts to explore new AI possibilities. Using AWS's broad AI/ML services, they can experiment with emerging technologies and prototype customized AI solutions tailored to your needs.

Pilot/POC Development

We create scalable and reliable pilot programs and proof-of-concepts (POCs) leveraging AWS AI services like Rekognition, Polly, and Transcribe. These programs assess how Gen AI can address your needs while fully utilizing AWS's robust AI/ML capabilities.

Model Engineering

Model Identification and Evaluation

Leveraging AWS SageMaker's capabilities, we help you identify and evaluate models that align with your business objectives. By utilizing built-in algorithms and frameworks, we ensure optimal outcomes tailored to your specific use cases.

Data Curation and Preparation

We curate and prepare datasets using AWS Glue and AWS Data Wrangler. We leverage AWS's vast data storage and processing capabilities to ensure that they are clean, organized, and relevant setting the stage for effective AI applications.

Fine-Tuning with Enterprise/Domain Data Sets

AWS SageMaker's model tuning feature allows us to customize Gen AI models per your requirements. We fine-tune models by ingesting domain-specific datasets from sources like Amazon S3 to ensure that they flourish within your industry, attaining unparalleled relevance and precision.

Custom Model Development

Should the need arise for a bespoke solution, we harness AWS SageMaker's flexibility to build custom Gen AI models. These models are tailored to your unique business scenarios, and with AWS's robust infrastructure, scalability and performance are ensured.

Application
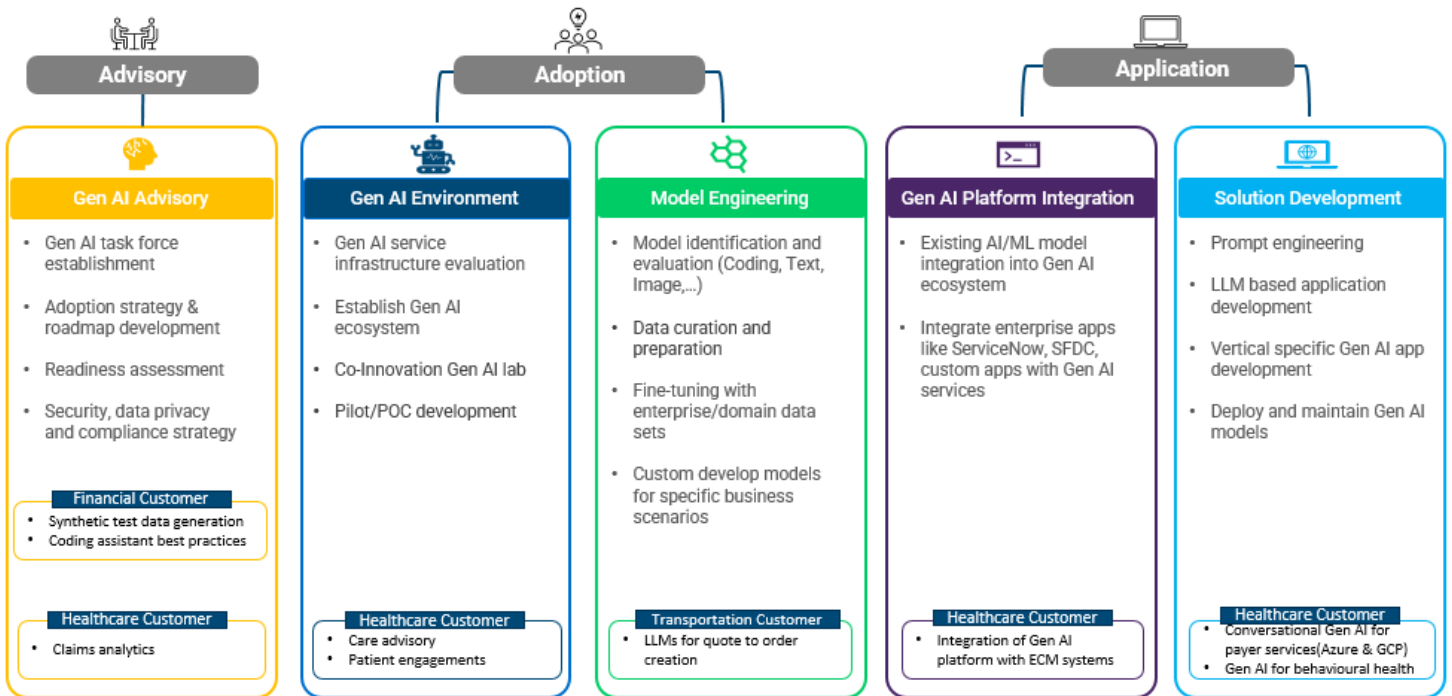
Gen AI Platform Integration

Existing AI/ML Model Integration

If your organization already uses AI or ML models, we ensure seamless integration to enhance the capabilities of your existing models, resulting in more robust AI-driven solutions.

Enterprise App Integration

We integrate Gen AI services with enterprise applications like ServiceNow and Salesforce (SFDC), and custom applications to streamline your business processes, simplifying the utilization of Gen AI capabilities within your existing workflows.

Solution Development

Prompt Engineering

We specialize in developing prompt-based Gen AI solutions - chatbots, automated content creation, or intelligent assistants; our solutions enable human-like communication and productivity enhancements.

LLM-Based Application Development

Leveraging the power of Large Language Models (LLMs), we design apps that understand and generate human-like text. These LLM-based applications facilitate content generation, language translation, and intelligent data analysis, enhancing user experiences across various domains.

Vertical-Specific Gen AI App Development

We design and develop industry-specific Gen AI applications customized to address unique, industry-specific challenges and deliver specialized solutions for enhanced efficiency and innovation.

Deploy and Maintain Gen AI Models

We manage the deployment and ongoing maintenance of your Gen AI models to ensure that they perform optimally, adapt to changing needs, and offer long-term value to your organization.

Gen AI Services

Advisory

Gen AI Advisory

- Gen AI task force establishment
- Adoption strategy & roadmap development
- Readiness assessment
- Security, data privacy and compliance strategy

Financial Customer
- Synthetic test data generation
- Coding assistant best practices

Healthcare Customer
- Claims analytics

Adoption

Gen AI Environment

- Gen AI service infrastructure evaluation
- Establish Gen AI ecosystem
- Co-Innovation Gen AI lab
- Pilot/POC development

Healthcare Customer
- Care advisory
- Patient engagements

Model Engineering

- Model identification and evaluation (Coding, Text, Image,...)
- Data curation and preparation
- Fine-tuning with enterprise/domain data sets
- Custom develop models for specific business scenarios

Transportation Customer
- LLMs for quote to order creation

Application

Gen AI Platform Integration

- Existing AI/ML model integration into Gen AI ecosystem
- Integrate enterprise apps like ServiceNow, SFDC, custom apps with Gen AI services

Healthcare Customer
- Integration of Gen AI platform with ECM systems

Solution Development

- Prompt engineering
- LLM based application development
- Vertical specific Gen AI app development
- Deploy and maintain Gen AI models

Healthcare Customer
- Conversational Gen AI for payer services(Azure & GCP)
- Gen AI for behavioural health

Why Choose Innova Solutions' Gen AI Ecosystem?

Consultancy Framework:
Ensuring seamless integration with your strategic inputs like core business strategy, value streams, and enterprise data.

Assessment Advancement:
To expedite your assessments, we leverage state-of-the-art Gen AI Language Models (LLMs), proprietary data sources, cutting-edge algorithms, and industry-specific data repositories.

Consistent Support:
During your Gen AI journey, we offer support on Gen AI LLMs, proprietary data sources, and advanced algorithms, as well as design solutions for quick assessment.

Comprehensive Gen AI Strategy:
We create a Gen AI strategy that comprises critical components like business architecture, a meticulously defined adoption roadmap, pilot programs, robust data architecture, finely tuned AI model architecture, and a resilient Gen AI technology infrastructure.

25	**≈ $3 B**	**50,000**	**1,100**
Years of IT Services	In Revenue	Professionals	Clients

innova™

www.innovasolutions.com

About Innova Solutions

Founded in 1998 and headquartered in Atlanta, Georgia, Innova Solutions employs approximately 50,000 professionals worldwide and reports an annual revenue approaching $3 Billion. Through our global delivery centers across North America, Asia, and Europe, we deliver strategic technology and business transformation solutions to our clients, enabling them to operate as leaders within their fields.

Talk to our experts to learn how we can help you maximize returns from your technology investments. Contact us at info@innovasolutions.com

Contact Us