SEVENTH SENSE CONSULTING | LogicGenX

Enhance Organizational Efficiency Through AI

The Government possesses an enormous amount of data that it collects, generates, processes, and stores to provide services to the public. The complexity of business processes and the use of existing technology create challenges in establishing business intelligence and enabling AI. To enable AI capabilities the fidelity and quality of our data and business processes needs to be enhanced with AI tools, techniques, and best practices. This will allow people and business processes the ability to continually evolve organizations capability to create efficiencies that drive productivity, reduction in cycle and resource time, and enhance more effective decision making and customer service.

When surveyed, 66% of federal leaders indicated these common AI challenges:

Technical Challenges

- Understanding & leveraging industry-wide AI tools, methods, & best practices
- Cost and risks of AI solutions
- Ethics and privacy considerations
- Commitment to establishing quality data
- best practices
- Continually apply evolving AI tools and techniques
- Minimize cyber and AI tool integration risks

Organizational Challenges

- Acceptance and understanding AI solution objectives
- Active participation and commitment
- Leverage data and AI metrics to drive decision making and efficiency
- Apply AI through business process paradigm for continuous evolution
- Integration with existing business processes

Top Reasons to Leverage AI

Complementing existing business processes with productivity-boosting AI tools improves decision-making while reducing cycle time and the resources needed to execute the process. This application of AI enhances both productivity and fidelity. In a September 2022 survey of 100 federal government leaders, the top reasons for using AI are:

1. Speed new product/service development
2. Improve risk management
3. Increase resilience
4. Improve employee productivity
5. Improve customer experience
6. Improve service quality and supply chain efficiency
7. Improve sustainability
8. Gain ecosystem intelligence
9. Improve agility

Immediate Benefits with Our Approach

Implementing our technical approach for AI offers numerous benefits that can significantly enhance federal government operations. Here are some key benefits:

Innovation and Agility
- Rapid development
- Adaptability

Risk Management
- Fraud detection
- Improved compliance

Sustainability and Resilience
- Resource optimization
- Resilience

Increased Employee Productivity
- Skill augmentation
- Training and development

Enhanced Customer Experience
- Personalized service
- 24/7 availability

Improved Decision-Making
- Data-driven insights
- Predictive analytics

Cost Savings
- Reduced operational costs
- Optimized resource allocation

Better Data Management
- Efficient data processing
- Enhanced data insights

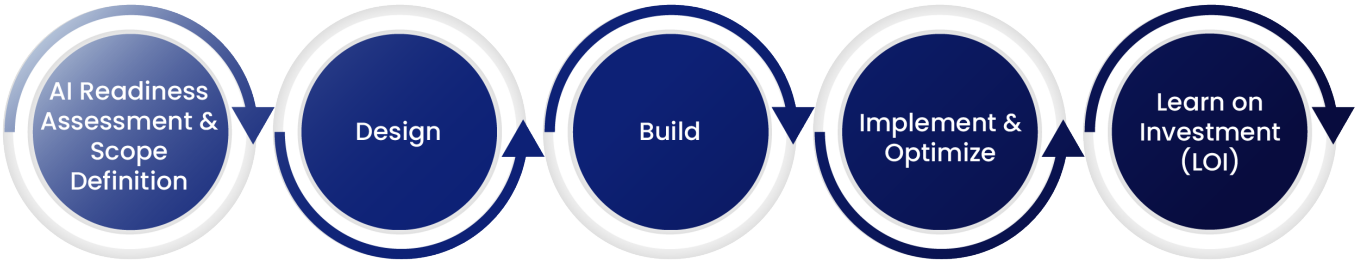
Enhanced Efficiency and Productivity
- Automation of repetitive task
- Streamlined workflows

Our Solution & Approach

SSC and LogicGenX have developed intelligent applications that analyze and optimize business operations, including acquisitions, program management, financial processes, and real-time data flows. These solutions help businesses track key metrics, streamline decision-making, and improve efficiency. By combining our expertise in processes and technology, we have created a rapid assessment and design approach based on best practices that can be applied to any business process.

Our approach follows a structured 5-step process—assess, design, build, implement, and learn—providing a strong foundation for continuous improvement while seamlessly integrating AI tools into evolving business processes.

Our AI Readiness & Optimization Model



Why Choose Us?

Seventh Sense Consulting (SSC) was established in 2012. We provide our clients with innovative solutions to enable technology, acquisition and program management organizations to fundamentally improve their organizational performance and reduce cycle time and cost by leveraging data and Artificial Intelligence (AI) along with innovative methods.

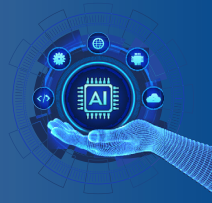
LogicGenX (previously dba as Khandokar, LLC) has partnered with SSC since 2020 to develop new software integrating AI and analytics in a secure app environment. LogicGenX is a small business that specializes in delivering innovative AI solutions which cater to the intricate needs of both federal agencies and commercial businesses alike. Our core competencies lie in harnessing the power of AI to automate business processes and provide advanced analytics for forecasting and prediction. LogicGenX leverages a suite of Microsoft certified and approved Azure AI technologies to offer a broad spectrum of solutions that drive efficiency, innovation, and significant value for our clients.

SEVENTH SENSE CONSULTING

CONTACT US

Kito Bradford
IT Director
(240) 805-7828
bradfordk@seventhsenseconsulting.com

Our Real World AI Use Cases



By implementing this technical approach for AI, federal agencies can achieve significant improvements in efficiency, decision-making, customer service, and overall operational effectiveness, while also driving innovation and maintaining compliance with regulatory requirements. Here are some of our real world use cases implementing AI.

AI-driven price forecasting model (United States Air Force)

We successfully provided AI strategy and readiness consulting, implementation planning, policy and compliance guidance, and performance monitoring through the development of an AI-driven price forecasting model for the U.S. Air Force. This initiative enabled the Air Force to assess AI readiness, identify automation opportunities, and integrate AI-driven decision support into procurement workflows, ensuring compliance with federal AI governance policies while optimizing supply chain resilience.

By leveraging Azure Machine Learning and Azure Data Factory, we developed a predictive analytics framework that analyzed historical pricing trends, economic indicators, and supply chain disruptions to generate real-time price forecasts for aircraft parts. Our structured AI readiness assessment addressed critical factors such as data quality, process integration feasibility, and risk evaluation before deployment. Additionally, through business process analysis, we identified inefficiencies in the Air Force's traditional price estimation methods, leading to the automation of forecasting models that reduced manual analysis time from 120 hours to just 4 hours.

A custom Power BI dashboard was developed to provide procurement officers with actionable insights, visualized pricing trends, and predictive cost fluctuations for improved decision-making.

Business Impact

Increased supply chain resiliency required to fund sufficient stock to support the initial days of a conflict and manage manufacturers' costs during surges to meet newly emerging requirements. AI-based forecasting reduced manual estimation time from 120 hours to 4 hours.

Average forecasting for 50 aircraft parts is completed in 4% of the original time

- **Cost savings of $7,367 in forecasting 50 aircraft parts**

Tech Stack

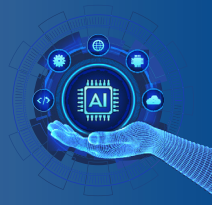
- Azure Machine Learning
- Azure Data Factory
- Power BI

- **96% Reduction in Forecasting Time** – AI-based forecasting reduced manual estimation time from 120 hours to 4 hours.
- **Increased Supply Chain Resilience** – Enhanced procurement decision-making and crisis response capabilities.
- **Data-Driven Budgeting & Cost Management** – Provided real-time, AI-enhanced cost insights for Air Force stakeholders.
- **Alignment with Federal AI Compliance & Ethical Standards** – Ensured bias mitigation, transparency, and explainability in AI decision-making.

SEVENTH SENSE CONSULTING

LogicGenX
WHERE LOGIC MEETS INNOVATION

Our Real World AI Use Cases



AI for Procurement Requirements Development (PM Design)

We provided AI strategy and readiness consulting, policy and compliance guidance, implementation planning, and performance monitoring through the development of an AI-powered chatbot for procurement requirements development. This project helped procurement teams streamline requirements package creation, enhance document quality, and accelerate acquisition lead times, ensuring alignment with federal procurement integrity and compliance standards.

To effectively implement this solution, we conducted AI strategy and readiness assessments, evaluating existing procurement processes, data integrity, and system compatibility to ensure seamless AI integration. We provided policy and compliance consulting, aligning the AI-driven solution with federal acquisition regulations, transparency mandates, and procurement integrity standards. During implementation planning, we designed structured workflows for AI-assisted requirements generation, ensuring the chatbot enhanced procurement efficiency without disrupting existing processes. Additionally, we supported performance monitoring, developing AI-driven dashboards to track chatbot usage, measure document quality improvements, and refine procurement workflows over time.

Business Impact

Requirements owners produce and refine requirements documents so that higher quality procurement packages results in faster acquisition lead time, better solicitations so less industry questions, better proposals, and better contract performance.

- **Reduce average time to complete Requirements Package from 30 days to 3 days**
- **Improved quality and completeness of Requirements Packages so 20% less rework**

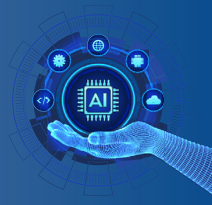
Tech Stack

- Azure CoPilot
- Azure Machine Learning
- Azure Search

- **90% Reduction in Procurement Package Lead Time** – Accelerated package completion from 30 days to 3 days.
- **Improved Quality & Compliance** – Enhanced accuracy and completeness of procurement documents, reducing rework by 20%.
- **Enhanced Search & Knowledge Management** – AI-powered search eliminates manual document retrieval, improving productivity.
- **Scalable & Future-Ready Solution** – Designed to handle diverse document collections and scale across multiple agencies.

SEVENTH SENSE CONSULTING | LogicGenX WHERE LOGIC MEETS INNOVATION

Our Real World AI Use Cases



AI-Powered Data Analytics for Deposition Analysis in Commercial Law (Top Global Law Firm)

Commercial law firms must stay informed about case law and legislation that could impact their caseloads. In this project, we developed an AI solution to analyze and summarize depositions, enabling efficient data gathering on case law, industry trends, and relevant precedents. Our approach encompassed scope definition, analysis, design, development, implementation, and optimization. We handled data collection, performed analytics, and trained AI models with targeted questions. As a result, the law firm significantly reduced the time required to process depositions from multiple witnesses and defendants. Our AI-powered solution streamlined the search and analysis of deposition transcripts and videos, allowing thousands of documents to be summarized in minutes.

Business Impact

On average, 'How Long Does It Take to Create a Deposition Summary' article by LLD-Law states that the experienced paralegal summarizes 20-25 pages of transcripts in an hour so a 10,000 page transcription takes 400+ hours or 24,000 minutes.

Our solution can process 10,000 page transcripts within 10 minutes. With our solution, the law firm chose to use legal interns rather than senior paralegal to summarize depositions.

- **Increase efficiency by 2000%**
- **95% workforce cost saving**
- **Increase accuracy**

Tech Stack

- Azure Machine Learning
- Azure Open AI Service

Leveraging AI and Data Analytics for Fraud Detection and Prevention (Top U.S. Car Manufacturer)

This AI project centered on collecting and analyzing data from Ford's systems, dealership records, and related entities to identify patterns of recall and service request fraud. Through root cause analysis and the development of fraud detection algorithms, the project quantified existing fraudulent practices and their impact. Additionally, it established a strategic foundation for enhancing business processes to prevent and detect future fraud.

Beyond Ford, federal agencies such as the Centers for Medicare and Medicaid Services, the Federal Trade Commission, the Securities and Exchange Commission, the Internal Revenue Service, the Federal Bureau of Investigation, and the Social Security Administration could leverage similar AI-driven approaches for fraud detection. By incorporating AI strategy and readiness consulting, implementation planning, policy and compliance guidance, and performance monitoring, organizations can optimize their fraud prevention efforts and strengthen regulatory compliance.

Business Impact

Prior to using AI, analysis of 500 dealership records took 150 hours. Using AI, the analysis was significantly reduced to 7 hours to analyze 500 dealership records to identify potential fraud.

- **95% cost savings ($9,160 savings) for review of 500 dealership records**
- **21X faster fraud analysis**
- **Less time detecting fraud, more time investigating fraud**

Tech Stack

- Azure Machine Learning
- Azure Fraud Detection
- Azure Synapse Analytics