1. Certificate of Offeror and Statement of Understanding

The initial submission pages of your proposal will consist of:
1. Addenda acknowledgement and signature of authorized representative (page 1 of this solicitation document)

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REQUEST FOR PROPOSALS
For
Artificial Intelligence (AI) Consultancy Services
RFP # 2025-023

Sealed proposals will be accepted until 2:00 PM CT, **December 18, 2024,** and then publicly opened and read aloud thereafter.

Compunnel Software Group, Inc.
Legal Name of Proposing Firm

Nitisha Kainthola	**Account Manager**
Contact Person for This Proposal	Title

609-606-9010	**govt@compunnel.com**
Contact Person Telephone Number	Contact Person E-Mail Address

103 Morgan Lane, Suite 102	**Plainsboro,New Jersey**	**08536**
Street Address of Principal Place of Business	City/State	Zip

103 Morgan Lane, Suite 102	**Plainsboro,New Jersey**	**08536**
Mailing Address of Principal Place of Business	City/State	Zip

Ashish Yadav	**Program Manager**
Point of Contact for Contract Negotiations	Title

609-606-9010	**govt@compunnel.com**
Point of Contact Telephone Number	Point of Contact Person E-Mail Address

Acknowledgment of Addenda (initial): #1_____ #2 _____ #3 _____ #4 _____ #5 _____

NOTE: Any confidential/proprietary information must be clearly labeled as "confidential/proprietary". All proposals are subject to the Texas Public Information Act.

COVER SHEET

North Central Texas Council of Governments (NCTCOG)
Artificial Intelligence (AI) Consultancy Services
Response To RFP # 2025-023

North Central Texas
Council of Governments

2. A brief statement of the respondent's understanding of the work to be done or desired deliverables requested in the solicitation.

Understanding the Scope

Compunnel Software Group Inc. DBA Compunnel, Inc. or Compunnel understands that the North Central Texas Council of Governments (NCTCOG) seeks expert consultancy to define and implement artificial intelligence (AI) strategies that align with its organizational goals and public sector regulations. The scope involves identifying and prioritizing AI use cases across various departments, such as public safety and infrastructure, and delivering a comprehensive AI strategy and a 5-year roadmap.

Compunnel will support feasibility studies, pilot implementations, and the design of ethical, secure, and compliant AI solutions. Furthermore, the project includes training internal teams to build capacity, ensuring sustainable AI adoption, and quantifying long-term value through detailed deliverables like feasibility studies, training materials, and final project reports.

We understand that NCTCOG seeks a qualified AI consultancy partner to:

- Identify and prioritize AI use cases across departments.

- Develop an AI strategy, roadmap, and implementation framework.

- Ensure ethical, secure, and compliant AI solutions.

- Foster internal capacity building and sustainable AI adoption.

Deliverables

Compunnel will deliver the following, in alignment with NCTCOG's objectives:

Initial AI Strategy Report	Summarizing key findings, opportunities and recommendations.
Feasibility Study with AI Use Case Recommendations	Including a detailed data strategy.
5-Year AI Roadmap and Implementation Plan	Encompassing governance, timelines, milestones and KPIs.
Pilot Implementation Plan	Documenting approach, expected outcomes and resource requirements.
Training and Knowledge Transfer Materials	Tailored for effective AI adoption and long-term maintenance.
Ethical AI Guidelines	Ensuring solutions adhere to public sector regulations and ethical standards.
Final Project Report	Comprehensive evaluation, outcomes and recommendations for future initiatives.

Pertinent to mention we has been recently awarded a similar contract by the **State Of Rhode Island** titled **"Artificial Intelligence Task Force'.**

2. KEY PERSONNEL

Attach statements of qualifications or resumes for all managers, supervisors, and other team members who will be involved in the management of the delivery of services under this RFP.

At Compunnel, we believe in building strong, collaborative partnerships with our clients. We achieve this through a high-touch approach prioritizing direct communication and in-house expertise. Compunnel will assemble a highly skilled project team as follows:

Role	Responsibilities
Project Manager (Business Analyst)	- Oversee the end-to-end project lifecycle, ensuring milestones are met within scope, time, and budget. - Collaborate with stakeholders to gather and refine business requirements and translate them into actionable technical tasks. - Develop and maintain detailed project plans, including timelines, resource allocation, and risk mitigation strategies. - Act as the primary communication bridge between NCTCOG stakeholders and the technical teams. - Facilitate workshops and discussions to identify high-value AI use cases. - Monitor and manage dependencies, ensuring seamless integration between various project phases. - Conduct regular status meetings and provide progress reports to stakeholders. - Coordinate with cross-functional teams to address blockers and challenges promptly. - Ensure documentation, including project charters, change logs, and training materials, is up to date. - Drive stakeholder alignment during roadmap development and implementation phases.
Chief AI Officer	- Provide strategic consulting on AI adoption, aligning AI initiatives with NCTCOG's long-term goals. - Lead the AI readiness discovery assessment, including data audits, organizational readiness, and capability evaluation. - Define and prioritize high-value AI use cases, ensuring alignment with NCTCOG's operational goals. - Develop an AI maturity framework and recommend improvement strategies to enhance NCTCOG's capabilities. - Drive the creation of a detailed AI strategic roadmap, outlining timelines, resources, and success metrics. - Advise on governance frameworks and ethical considerations for AI implementation. - Oversee pilot project planning and ensure alignment with the strategic vision. - Mentor the implementation team on advanced AI methodologies and best practices. - Serve as the primary advisor to NCTCOG leadership on AI-related decisions. - Collaborate on defining KPIs for AI solution performance and scalability.
Data Scientist	- Analyze NCTCOG's data to identify trends, patterns, and insights for AI-driven decision-making. - Develop and train machine learning models tailored to NCTCOG's prioritized use cases. - Collaborate with the Chief AI Officer to align AI models with business objectives. - Perform data preprocessing, cleaning, and transformation to ensure high-quality inputs for model training. - Validate and fine-tune AI models through iterative testing and performance evaluation. - Create pipelines for real-time data processing and integration with existing systems. - Monitor model performance post-deployment and recommend enhancements. - Document model development processes for reproducibility and knowledge sharing. - Support the QA team by providing insights into model accuracy and error rates. - Collaborate with the Cloud Architect to optimize models for scalability and deployment.

Software Developer	• Develop and integrate AI solutions into NCTCOG's existing systems, ensuring seamless functionality. • Create APIs and interfaces for real-time interaction with AI models. • Implement backend and frontend components for pilot and full-scale AI solutions. • Collaborate with the Data Scientist to ensure model outputs are accurately processed and displayed. • Ensure code quality, security, and performance optimization in AI applications. • Work with the QA team to fix bugs and implement changes based on testing outcomes. • Maintain version control and documentation for all software artifacts. • Support the deployment and integration of AI systems into NCTCOG's IT ecosystem. • Design and develop scalable solutions to accommodate evolving data volumes and use cases. • Provide post-deployment support for system updates and enhancements.
QA Specialist	• Develop and execute test plans, cases, and scripts to validate AI solutions against project requirements. • Conduct functional, integration, and performance testing on pilot and full-scale AI implementations. • Validate data pipelines and model outputs for accuracy and consistency. • Identify, document, and track bugs through resolution in collaboration with development team. • Ensure adherence to NCTCOG's quality standards and industry best practices. • Perform regression testing to ensure updates do not impact system functionality. • Create comprehensive test reports and metrics for stakeholders. • Simulate real-world scenarios to assess system robustness and scalability. • Collaborate with the Data Scientist to validate AI model performance and accuracy. • Provide feedback for continuous improvement of the AI system's reliability and usability.
L1 & L2 Support Team	• Provide first-level support to address user issues, including troubleshooting AI system errors and resolving technical glitches. • Escalate unresolved issues to the L2 team, ensuring seamless coordination between support tiers. • Monitor system health, performance metrics, and alert logs for anomalies. • Conduct routine system checks and updates to ensure optimal performance. • Provide feedback to the implementation team on recurring issues or improvement opportunities. • Assist users with queries related to AI system functionality and usability. • Perform advanced debugging and resolution for complex system issues. • Provide periodic performance and support analytics reports to stakeholders.

PROJECT MANAGER - DR RAVI CHANGLE

Overview
An innovative and results-driven technology leader with profound expertise in artificial intelligence and emerging technologies. As the **Director of AI & Emerging Technologies at Compunnel and a Council Member at Forbes Technology Council**, Ravi specializes in strategizing, designing, and implementing AI-driven transformations that enhance business processes and client value propositions. **Certified by the Ministry of Corporate Affairs' (Government of India) IICA as an Independent Director**, he has a stellar record in managing cross-functional teams and fostering innovation. His efforts are instrumental in aiding organizational boards in effective decision-making, particularly in the realms of Corporate Finance, ESG, Ethics, and maximizing shareholder wealth through state-of-the-art AI practices. He is a **Global Sustainable AI and Ethics Taskforce Member (Led by TBI, UN, ITU, IAEA) and Global AI & Cybersecurity Taskforce Member** (Led by TBI, UN, ITU) https://www.tortorabrayda.org/members. State of Rhode Island - AI Taskforce Committee Membership and IEEE SIGHT Membership for Humanitarian Technology and Sustainable Development.

North Central Texas Council of Governments (NCTCOG)
Artificial Intelligence (AI) Consultancy Services
Response To RFP # 2025-023

North Central Texas
Council of Governments

Profile Summary

- A technocrat with more than 15+ years of rich & extensive experience in Data Analytics, Data Science, Governance, Artificial Intelligence, Machine Learning and Big Data while working in both in the corporate sector and the academics domain as a professor.
- Served as a Subject Matter Expert for Imperial College London, Indian School of Business Hyderabad, National University of Singapore, and Texas University, USA.
- Worked in various industries across the career like Telecom & IoT, Energy & Utilities, Pharma & Healthcare, Aerospace, Geospatial & Remote Sensing, Banking, Finance & Retail.
- Capability in devising and implementing Statistical / Predictive Models and Machine Learning Algorithms utilizing diverse sources of data.
- Proficient in manipulating and analyzing complex, high-volume, high-dimensionality data from varying data sources.
- Excellent understanding of Machine Learning Algorithms; developed analytical methods to support novel approaches of data and information processing.
- Expertise in deep learning technologies to develop prototypes & analytic models to challenges with new & existing clients through application of new, innovative capabilities.
- Simulated, designed, developed & deployed computationally complex and practical data; built and delivered comprehensive data strategy roadmap; ensured final deliverables were of the highest quality
- Identified, developed and implemented appropriate statistical techniques, algorithms, and ML Models to create new, scalable solutions that resolved business challenges.
- Gained expertise in rendering business solutions with the help of Data Analysis, Data Visualization, Data Cleaning, Module Development & Cloud infrastructure setup Projects.
- Simulated, designed, developed & deployed computationally complex and practical data; built and delivered comprehensive data strategy roadmap; ensured final deliverables were of the highest quality.
- Appreciated as Manager of the Quarter in November 2022 at Compunnel Digital.

Core Competencies

- Data Science, Analytics & Governance
- Machine Learning
- Artificial Intelligence
- Statistical Analysis
- Predictive Modelling
- Data Extraction
- Requirement Gathering & Analysis
- Project Management
- Solutions Architecture

Prior Experience

Since Jul'21, Compunnel Digital as Practice Lead AI & Emerging Technologies

Key Result Areas:

- Working on end-to-end analytics delivery; performed scoping analysis, supported proposals, delivered analytical modules and drove line management operations for a skilled team of 22 members that includes Software Engineers, Junior and Senior Data Scientists.
- Delivering valuable insights via data analytics and advanced data-driven methods.
- Applying concepts of statistical machine learning solutions on various business problems.
- Developing machine learning applications according to requirements.
- Selecting appropriate datasets and data representation methods.
- Manipulating and analyzing complex, large scale highly dimensional data heterogeneous data sets and applying analytics including classification, clustering and anomaly detection techniques.

North Central Texas Council of Governments (NCTCOG)
Artificial Intelligence (AI) Consultancy Services
Response To RFP # 2025-023

North Central Texas
Council of Governments

- Managing technology, risk, assurance and communicating any identified project risks and issues to the stakeholders.
- Directing full development cycle of planning, analysis, design, development, testing, and implementation using data mining and data analysis tools
- Applying in-depth knowledge and experience to manage data science applications and liaised with Technology partners to develop new approaches for efficiently implementing Data solutions.
- Presented & explained architecture and technology-related subjects to other technologists, operational/functional leadership, and users.
- Analysed needs, gathered specifications & situational requirements, worked with business development personnel to create effective solutions specifically tailored to customer accounts.
- Architected, designed & developed Enterprise solutions while maintaining scalability, performance, availability and quality of all platforms.
- Participating as a technical expert in pre-sales qualification events (Solution, Estimation, Sizing) as well as various technology initiatives from CTO office.
- Analyzing & reviewing business, functional and high-level technical requirements; designing detailed technical components for complex applications utilizing high-level architecture, design patterns and reusable code.
- Working with clients on AWS SageMaker, Azure Machine Learning, Deep Learning platforms for USA, Canada, South Africa, Singapore based clients rankings amongst top 50 companies in Fortune Rankings.

Jun'21 – Jul'21, SKA Analytics (Owner)

Key Result Areas:

- Provided technical consultation to esteemed clients as follows:
  o Mentor - DSBA and PGP in AI and ML University of Texas Program (Great Learning) from Jun 2020 - Jul 2021
  o Consultant Design (Emeritus) from Jun 2020 - Jul 2021
  o SME - Artificial Intelligence and Machine Learning (Simplilearn) from Mar 2019 - Jul 2021
  o SME - Artificial Intelligence (Edureka) from Feb 2018 - Jul 2021
  o SME- AWS MLOps (Fidelity Investments) from Jun 2021 - Jun 2021
  o Consultant: Bayesian Machine Learning Project (eClerx) from Jan 2021 - Mar 2021
  o SME: Advanced Python & Machine Learning Practices (Verizon) from Nov 2020 - Dec 2020
  o SME-AI ML (Wells Fargo) Sep 2020 - Nov 2020
  o Automation with Python Programming (Invesco Asset Management (India) Private Limited) from Jul 2020 - Aug 2020
  o AI ML and Bot Frameworks Training (TCS) from Feb 2020 - Aug 2020
  o Deep Learning and AI implementation Program (Cvient) from Oct 2019 - Nov 2019
- Analyzing large amounts of information to discover trends and patterns; using the same to develop predictive models and machine-learning algorithms
- Presented information using data visualization techniques
- Undertook data collection, pre-processing and analysis

Dec'12 - Mar'21, PIMR, Indore as Asst. Professor cum In charge Operations - AI ML Projects RCT Research Consultancy and Training WING PIMR

Key Result Areas:

- Developed and delivered course material, curricula, and syllabi
- Assisted with the training and recruitment of new lecturers, teaching assistants, and Professors
- Conducted research, publishing papers, and attending conferences
- Attended academic events and networking with other researchers and field experts
- Supervised, advised, and mentored teaching assistants and graduate student.

North Central Texas Council of Governments (NCTCOG)
Artificial Intelligence (AI) Consultancy Services
Response To RFP # 2025-023

North Central Texas Council of Governments

Education:
- MBA Investment Banking, Finance from IBS Mumbai – 2008
- Doctor of Philosophy - PhD, Econometrics and Quantitative Economics from Banasthali Vidyapith – 2013

Certifications:
- Microsoft Certified Azure Data Scientist Associate - DP -100
- Microsoft AI Cloud Solution Partner
- Master's in project management & Program Management* - PMI Member
- Artificial Intelligence: Generative AI, AI for Good, Conscious AIOps, MLOps, LLMOps, FMOps
- Generative AI, LLMs, Azure, AWS, Deep Relevance Matching Modelling
- Machine Learning, Deep Learning, ReIL, Microsoft Fabric, Synapse ML, Databricks
- Natural Language Processing (NLP)
- Econometrics, Data Science and Computer Vision Solutions
- Industrial Internet of Things (IIoT) Analytics
- Big Data Analytics & Visualization
- Strategic Planning & Execution
- Project Management, Program Management, Agile Practitioner, Risk Management
- Team Leadership & Collaboration

CHIEF AI OFFICER   - DR. BHUPENDRA KUMAR VERMA

Overview
A Professional with varied and niche experience in common space among data science, data engineering and data strategy. A strong background of industry domain related to manufacturing, fast moving consumer goods, automobile, textile, consumer durables, steel, industrial equipment, carbon markets, academia and other technology industries. Offer a very good understanding of data management, data governance and data strategy implementation. A significant contributor in use cases development related to Extract, Transform & Load (ETL), Master Data Management (MDM), Meta data management activities, Data quality metrics & business rules standardization, Business Glossary design & setup, advanced AI & ML usages, Business Model transformation & Data Monetization Strategy.

Academic Credentials & Certifications
- Project Management, Lean Management
- Digital Marketing Certified Associates
- Lean Six Sigma Green/Black Belt
- Robotic Process Automation (Ui Path)
- NITIE-MUMBAI, PHD (Climate Change, Sustainability Strategies) 2009-2015
- NITIE-MUMBAI, PGDIM (Industrial Management) 2006-2008
- IIT-CHENNAI, M.TECH. (Thermal Engineering) 2001-2002
- BITS-PILANI, B.E. (HONS.)-Mechanical Engineering) 1996-2000

Achievements:
- First in Class in M.Tech.
- Member of ROTARACT-CLUB at NITIE
- Member of SAC (Students Activities Center) at IIT Madras

Career Snapshot
- Total professional experience of about 18 years covering Management consultancy, Research & Development, teaching/training.

North Central Texas Council of Governments (NCTCOG)
Artificial Intelligence (AI) Consultancy Services
Response To RFP # 2025-023

North Central Texas Council of Governments

- Industrial exposure of about 12 years in various industry sectors in well-known companies
- A good combination of educational qualifications in India: B.E. Mechanical (BITS-Pilani),
- M.Tech. Thermal (IIT, Chennai), PGDIM (Industrial Management, NITIE-Mumbai), PhD (NITIE-Mumbai)
- Presents a unique combination of technology as well as management education in India

Key Skills

- Machine Learning
- Deep Learning
- R/Python/SQL
- AWS – SageMaker, API Gateway, S3, Lambda, Kinesis, MLOPS
- Data Governance Expert
- Digital Transformation
- Operations Management
- Bayesian Statistics/ML
- Artificial Intelligence
- Big Data-PySpark, MLLIB
- Data Visualization-Tableau, Power BI
- SPSS, AMOS
- Technical Project Manager
- Supply Chain Management and Quality Control

Work Experience

COMPUNNEL SOFTWARE GROUP, INC.   **(JUL 2022 – TILL DATE)**
Designation: Director (Data Strategy & Architecture)
Responsibilities:

- Data maturity assessment at World Bank (Apr'22 to Aug'22)
- Data Management/Governance/Strategy Services
- Data architecture assessment
- ETL, MDM, BI Data science services use case development

COMPUNNEL SOFTWARE GROUP, INC.   **(MAY 2018 – JUN 2018)**
Designation: Freelance Consultant
Responsibilities:

- Use cases development and sales pitch to follow clients like Toyota Forklift, Gerdau Steel, US cellular, Bridge Investments (Solar Analytics).
- Contributing to Demo product development by explaining user cases to technical team members, identifying the suitable variables, explaining the interaction of variables, contributing to demo development.
- Course design on 'AI for Leaders' for ISB Hyderabad/ Emeritus (Conceptualization and development of activities, Playbook activities, assignments etc.).
- Market Mix Modeling for eClerx using Bayesian & Python (Bayesian Statistics, Prior & Posterior, Model development, market budget modeling for an online food delivery company).
- Data analytics using Python: Training for TCS employees.
- Simplilearn, Deviare, Cyient Technologies: Training on ML/Deep Learning.
- Market Research for e-learning (Target market, segmentation, entry strategy) of Prestige Education Foundation.
- Business Process Engineering for Jain Batteries, Indore (Product quality improvement, Scrap reduction, Process efficiency improvements, new layout design).
- Market Research for Amber Organic Milk.

- Consultancy on Business Processes, Research & Training to Prestige Education Foundation, Research Policy Formulation, Workshops on Preparing for Quality Research.
- Launch & execution of certification program on 'Data Science' for Prestige Education Foundation, Indore.
- Curriculum design based on Outcome-Based Education (OBE).

CDGI, INDIA (SEP 2014 - MAY 2018)

Designation: Associate Professor

SUBJECTS: **Operations Management, Entrepreneurship, Industrial engineering, Systems Engineering.**

Responsibilities:

- Managed Commercialization of IEDC (Innovation & Entrepreneurship Development Centre) Projects
- Research & Entrepreneurship Orientation among faculty & students
- Interdisciplinary Projects and Internship of Students.

VAAYU INDIA POWER CORPORATION PVT LTD, INDIA (JAN 2014 – SEP 2014)

Designation: Deputy Manager

Responsibilities:

- Handled complete Clean Development Mechanism (CDM) project cycle of Wind Energy projects: Project feasibility, financial analysis, Validation, Verification, Issuance.

ENERCON INDIA LTD, INDIA (SEP 2010 – DEC 2013)

Designation: Deputy Manager

Responsibilities:

- Handled complete CDM project cycle of Wind Energy projects: Project feasibility, financial analysis, Validation, Verification, Issuance.

MYO GREEN PVT LTD, INDIA (JAN 2010 – SEP 2010)

Designation: Senior Consultant

Responsibilities:

- Green Campuses: Identifying opportunities to reduce the carbon footprint of institutes by eco-friendly products purchase, Recycling waste, suitable waste disposal, rainwater harvesting and solar power implementation.
- Sustainable Villages: Deploy model to generate electricity by biomass plus solar technologies. Agriculture of Jatropha and biofuel. Feasibility of doing these projects as CDM projects.
- Power generation through Algae.
- Green Retail: Understanding consumer behavior for Green products. Designing Green-retail (Online and retail chains).
- Carbon Markets: Understanding the Micro and Macro economic factors influencing the prices of Certified Emission Reduction Units (CER) globally.
- Managed team of 25 management graduates.

ERNST & YOUNG PVT LTD, INDIA (JUN 2008 – NOV 2009)

Designation: Consultant

Responsibilities:

- Handled projects in CDM/VCS in following areas: Steel (Waste heat recovery projects), Biomass based co-generation, Wind Energy, Energy efficiency.
- Carbon foot-printing of Thermax Ltd.: Work involved discussion with authority at various sites, identifying parameters for data collection under various scopes, Analysis of data and preparation of final report.
- Some of the Clients were: Hindustan Unilever Ltd., Thermax Ltd., Suzlon Tower & Structure Ltd., Gwalior Chemical Ind. Ltd., Mukand Ltd., Top Worth group.

North Central Texas Council of Governments (NCTCOG)
Artificial Intelligence (AI) Consultancy Services
Response To RFP # 2025-023

North Central Texas Council of Governments

MIRC ELECTRONICS LTD, INDIA	**(FEB 2003 – JUN 2006)**

Designation: Senior Executive R & D

Responsibilities:

- Key person of team, Design & Development of Air-Conditioners, CTV.
- Team leader of New Product Development-Home Theatres and Microwave Ovens.
- Life cycle management & Quality Function Deployment of TV models
- Process Reengineering at Manufacturing Plant & Team leader of Export Related Activities from R&D.
- Team leader of Robust Design Team

3. REFERENCES

Include at least four (4) recent references for customers (preferably public agencies) for whom you have provided AI Consultancy services similar to those requested in this solicitation within the last five (5) years. Please include the organization's name (if applicable), contact person, phone number, and email address for each reference. NCTCOG reserves the right to contact or visit any of the respondents' current and/or past customers to evaluate the level of performance and customer satisfaction.

Reference#1	
Client Name	**Texas State Technical College**
Project Contact	Name: Dr. George Makiya Title: SVP- Data & Analytics Contact Number: 832-562-1782 E-Mail Id: gmakiya@tstc.edu
Project Name	TSTC Azure Data Ops and MLOps enabled Advanced Analytics
Start Date	July 2023
End Date	Ongoing
Key Personnel Involved	Dr. George Makiya, Nandita Singh, Tina Skidmore from TSTC & Compunnel Consultants
Description of Assignment – Roles and Responsibility	Data Migration from OnPrem to Azure, MS Fabric Implementation, AIOPs and MLOPs, Responsible AI

Reference#2	
Client Name	**Opticloud**
Project Contact	Name: Vijay Karia Title: Chief Executive Officer Contact Number: (401) 871-0734 E-Mail Id: vijay.karia@opticloud.com
Project Name	AI based Anomaly Detection & Notification System for GreenOps and FinOps with Agentic AI Framework
Start Date	July 2024
End Date	Ongoing
Key Personnel Involved	Alton Allen, Vijay Karia from Opticloud & Compunnel AI Consultants

North Central Texas Council of Governments (NCTCOG)
Artificial Intelligence (AI) Consultancy Services
Response To RFP # 2025-023

North Central Texas
Council of Governments

Description of Assignment – Roles and Responsibility	Delivered advanced Data Science Operations and MLOps solutions leveraging Agentic AI across AWS, GCP, and Azure platforms. Provided sustainability reporting, monitoring, and observability while optimizing financial performance through actionable recommendations for cost savings and right-sizing. Implemented Infrastructure as Code (IaC), DevOps, AI agents, and strategies for digital waste reduction, enhancing operational efficiency.

Reference#3	
Client Name	**United Nations' Alliance**
Project Contact	Name: Carlo Tortora Brayda Title: Chief Executive Officer Contact Number: +33610796584 E-Mail Id: carlo@tortorabrayda.org
Project Name	US Cyber Eagle Project
Start Date	December 2023
End Date	Ongoing
Key Personnel Involved	Carlo Tortora Brayda and Michael Thiessmeir from United Nations' Alliance (TBI, NAIC, NIST, NATO) & Compunnel AI Consultant
Description of Assignment – Roles and Responsibility	Responsibilities included strategic oversight and decision-making for GenAI DevSecOps implementation, securing VC funding, contributing to AI & Cybersecurity Global Task Force initiatives, and driving the Green AI Initiative. Played a pivotal role in shaping policies, fostering innovation, and ensuring alignment with sustainable and secure AI practices..

Reference#4	
Client Name	**World Bank**
Project Contact	Name: Ruby Ray Current Address: 1818 H Street, N.W. Washington, DC 20433 E-mail Address: rray@worldbank.org Telephone Number: +1 202-458-5858
Project Name	Data Strategy & Roadmap for their BUs to help in gauging and auditing the existing data processes
Start Date	April 2022
End Date	September 2022
Key Personnel Involved	Project Manager, Business Analyst, SMEs, Data Strategist, Data Strategy Manager
Description of Assignment – Roles and Responsibility	Compunnel successfully conducted a comprehensive discovery and assessment exercise for the World Bank, evaluating the current state of data governance and master data management. A detailed gap analysis identified critical areas for improvement and projects with maximum business benefits. Key achievements included assessing data maturity as nascent, identifying top priorities like modernizing the data platform, implementing data governance, and leveraging AI/ML, RPA, and a data catalog. Adoption of a data lake was highlighted to enhance data monetization. A milestone-driven roadmap was delivered, and a stewardship committee with designated Data Stewards was established to oversee governance and drive sustainable implementation. A milestone-based project execution roadmap was provided for data governance and management implementation.

North Central Texas Council of Governments (NCTCOG)
Artificial Intelligence (AI) Consultancy Services
Response To RFP # 2025-023

North Central Texas
Council of Governments

4. PROJECT-RELATED EXPERIENCE AND QUALIFICATIONS

Proposals will be evaluated based on the respondents' demonstrated expertise and experience in providing AI consultancy services, particularly in the context of local government or similar public sector entities. Provide a comprehensive overview of your organization's capabilities in AI technologies (e.g., machine learning, natural language processing), including your industry experience and any past AI implementations within the public sector.

Compunnel is a seasoned player in the technology and consulting landscape with a robust history of delivering innovative solutions to government and commercial sectors. Compunnel has established itself as a trusted partner for organizations looking to harness cutting-edge technologies, including Artificial Intelligence (AI), to enhance operational efficiency and public service delivery. Having successfully delivered AI-enabled solutions for multiple projects, Compunnel has earned the trust of our customers, including prominent public sector agencies.

AWARDED CONTRACTS 2022-23

AGENCY		
Florida Department of Transportation	State of Massachusetts	City College of Chicago
The City of Palm Bay	The Minnesota Department of Information Technologies Services	City of Baltimore - Department of Finance Bureau of Procurement
The Colorado Department of Personnel and Administration	Florida Department of Environmental Protection	Fort Bend Independent School District (FBISD)
County of San Mateo	Hennepin County	Kern Health Systems
State of Delaware	State of Florida - Department of Management Services	County of Santa Clara
El Paso County	Richardson Independent School District	Palm Beach County Board of County Commissioners
The School Board of Miami-Dade County	University of Central Florida	City of Avondale - Neighborhood and Family Services Department
Manatee County	Maricopa County	Maryland Health Benefit Exchange
The School Board of Broward County	Jefferson County School District	Port of Long Beach Financeand Administration Bureau
Good Buy Purchasing Department	Broward County School District	East Texas Council of Governments

Compunnel

Public Sector Expertise

Delivering Quality Service Since 1994

Industry Expertise

- Awarded 30+ Government Contracts in 2022-23
- Active Contracts with 30 Out of 50 State Agencies Across USA
- Currently Supporting Over 150 County, City, and Local Public Departments

North Central Texas Council of Governments (NCTCOG)
Artificial Intelligence (AI) Consultancy Services
Response To RFP # 2025-023

North Central Texas
Council of Governments

Compunnel's Major Government Sector Clients Across USA		
✓ State of New Jersey - Division of Mental Health ✓ Florida - Department of Transportation ✓ State of Florida - Department of Management Services ✓ Missouri Department of Transportation ✓ Miami-Dade County ✓ SC Department of Administration ✓ Retirement State of Montana	✓ Pennsylvania Department of Transportation (PennDOT) ✓ California Department of Motor Vehicles (DMV) ✓ Texas Department of Public Safety (DPS) ✓ NC Department of Agriculture and Consumer Services ✓ TX Department of Education ✓ Michigan Department of Natural Resources (DNR) ✓ North Carolina State Treasurer	✓ Manatee County ✓ State Compensation Insurance Fund ✓ Maryland – Department of Transportation ✓ MDOS - Michigan Department of State ✓ Illinois Department of Human Services (IDHS) ✓ MARTA (Metropolitan Atlanta Rapid Transit Authority) of Georgia

Highlight your understanding of public sector compliance, ethical standards, and regulations related to AI. Include a portfolio of successful AI strategies or implementations, especially those that align with the unique needs of local government.

Compunnel recognizes the critical role compliance, ethics, and regulations play in the successful implementation of AI solutions within public sector organizations. With extensive experience in delivering technology solutions for government entities, we are well-versed in navigating the unique challenges of the public sector, including adherence to legal standards, ensuring ethical AI practices, and aligning with organizational governance requirements.

1. **Public Sector Compliance:**
   - **Regulatory Adherence:** Compunnel ensures that all AI solutions comply with applicable regulations such as the Freedom of Information Act (FOIA), grant compliance requirements, local/state/federal statutes, and data privacy laws such as GDPR (where applicable).
   - **Data Privacy and Security:** We emphasize robust data governance practices to safeguard sensitive citizen and organizational data. This includes compliance with internal policies, implementing strong encryption protocols, and aligning with NIST standards.
   - **Transparency and Accountability:** Our AI solutions are designed with auditability in mind, ensuring that decision-making processes can be traced, verified, and justified, meeting public sector transparency requirements.

2. **Ethical Standards in AI Implementation:**
   - **Fairness and Bias Mitigation:** Compunnel employs rigorous methods to identify and eliminate biases in AI models, ensuring equitable outcomes for all citizens.
   - **Ethical Use Policies:** We incorporate ethical guidelines into our AI strategies, emphasizing the responsible use of AI to avoid misuse and unintended consequences.
   - **Stakeholder Inclusion:** Our approach involves diverse stakeholder engagement to ensure AI solutions reflect the values and priorities of the communities served.

3. **AI-Specific Governance:**
   - **Technical and Administrative Controls:** We design comprehensive governance frameworks that address technical, administrative, and policy-level controls to enable safe AI use.

North Central Texas Council of Governments (NCTCOG)
Artificial Intelligence (AI) Consultancy Services
Response To RFP # 2025-023

North Central Texas
Council of Governments

- **Continuous Monitoring:** Our AI systems include ongoing monitoring mechanisms to identify and mitigate risks, ensuring sustained compliance and ethical operation over time.

Portfolio of Successful AI Strategies and Implementations:

Compunnel has successfully delivered AI consultancy and implementation services for various organizations, including projects tailored to the needs of public and private sector entities. Our key accomplishments include:

1. **Client: World Bank**
   o *Predictive Maintenance Models:* Designed AI-driven predictive analytics tools to optimize the maintenance of critical infrastructure in developing nations, reducing operational costs and downtime.
   o *Data-Driven Decision Support:* Implemented AI frameworks to enhance decision-making for resource allocation in large-scale humanitarian projects.

2. **Client: United Nations' Alliance**
   o *Citizen Engagement Tools:* Deployed AI-powered chatbots to streamline communications and improve service delivery to underserved communities worldwide.
   o *Ethical AI Guidelines:* Collaborated on developing and implementing frameworks ensuring AI systems used in UN initiatives adhered to ethical and equitable standards.

3. **Client: Opticloud**
   o *Smart Data Strategies:* Provided cloud-based AI solutions for data integration, quality assurance, and compliance management.
   o *AI-Powered Risk Mitigation:* Developed systems to proactively identify and mitigate security vulnerabilities, ensuring seamless operations in highly regulated environments.

4. **Client: Texas State Technical College (TSTC)**
   o *AI-Enhanced Learning:* Implemented AI-driven platforms for personalized student learning, improving engagement and academic outcomes.
   o *Administrative Efficiency:* Developed AI tools to optimize resource allocation, enrollment processes, and campus operations.

Include a brief statement of the respondent's background, including years in business. Clearly state any significant requirements from the Scope of Work that you are unable to meet.

Established in 1994, Compunnel has been a trusted partner in delivering advanced IT solutions and services across the U.S for over **30 years.** Our core focus has evolved to support cutting-edge initiatives in Artificial Intelligence (AI). Headquartered in New Jersey, Compunnel has been helping businesses achieve real results by providing the right AI talent, training, and technologies. We enable organizations to harness the power of AI to optimize operations, accelerate innovation, and enhance growth.

Compunnel has been ranked in *Inc. 5000* as one of the *fastest-growing companies*. We are a global organization with a presence in the US, Canada, Europe, and the Asia Pacific. We are ranked among the '*10 Best Technology Solution Providers'* by **The Industry Era.**

Compunnel employs experienced *technology professionals* worldwide, with extensive expertise in AI technologies, including natural language processing, computer vision, and predictive analytics. Our onshore team includes over 1,700 specialists working on client engagements from *31 delivery centres* across the USA including **Texas**, complemented by four (4) offshore development centres in India.

North Central Texas Council of Governments (NCTCOG)
Artificial Intelligence (AI) Consultancy Services
Response To RFP # 2025-023

North Central Texas Council of Governments

TX Engineering Total Experience

Compunnel's Corporate Overview

End-to-end solutions to accelerate enterprise digital transformation for enabling better business outcomes

30+ Years of Expertise
Digital transformation excellence

10,000+ Digital Workforce
Dedicated team of specialists deployed on client projects

200+ Modernizations
Enterprise apps re-engineered across domains

100+ Customers
In-depth experience in major industries

1700+ Transformations
Implemented across diverse IT practice areas

9,000+ Managed Support Hours
Ensured continuity with dedicated client support

Our Partnerships

Microsoft Solutions Partner — Digital & App Innovation Azure
Microsoft Cloud Solution Provider
Microsoft Solutions Partner — Data & AI Azure
aws partner network | solution provider
Google Cloud Partner

UiPath · AUTOMATION ANYWHERE · Alation · snowflake · dori AI · TestGrid

Certified AI/ML professionals

Hire certified AI/ML developers with an average of 5+ years of experience. Our developers come equipped with deep technical knowledge, providing the expertise and insights needed to successfully execute your AI and machine learning projects with precision and efficiency.

Expertise in Major AI/ML Practice Areas

Leverage the power of intelligent technologies with professionals specializing across all key AI/ML practice areas. Whether it's natural language processing, computer vision, predictive analytics, or deep learning, we provide access to talent with cutting-edge expertise in every major domain.

Flexible & Cost-effective Options

Meet your short-term, full-time, or project-based needs with our flexible, cost-effective service models. Whether you need talent for a specific project or long-term initiatives, we offer competitively priced solutions tailored to your business requirements, ensuring you optimize both performance and budget.

Compunnel's Digital Services Portfolio

TX Engineering Total Experience

APP DEVELOPMENT & MODERNIZATION SERVICES

CLOUD SERVICES

ENTERPRISE DATA & ADVANCED ANALYTICS

ARTIFICIAL INTELLIGENCE & MACHINE LEARNING

QUALITY ENGINEERING

AI/ML domains we serve

Deep Learning

Achieve automation at scale with Deep Learning solutions that streamline complex workflows. For a leading financial enterprise, we automated 98% of manual processes, driving efficiency and reducing operational overhead.

Tech stack – NLTK, CNN/ RNN, TensorFlow & more

Generative AI & NLP

Transform customer service with Generative AI and Natural Language Processing (NLP). We helped an IT firm enhance customer interactions by 37% through an AI chatbot solution, significantly improving response times and user satisfaction.

Tech stack – Bot Framework SDK, Azure Bot Service, & more

Advanced Analytics

Boost decision-making with Advanced Analytics solutions that deliver actionable insights. For a financial services company, we drove a 40% increase in customer satisfaction using predictive analytics and data visualization.

Tech stack – Azure MLOps, Streamlit, Power BI

IoT

Improve operational efficiency with IoT-driven predictive maintenance (PdM) solutions. For a top manufacturer, we achieved a 33% increase in efficiency using IoT-based monitoring systems.

Tech stack – Azure IoT Hub & IoT Central, Raspberry PI/ STM32 Sensor Devices

Computer Vision

Enhance security and optimize costs with Computer Vision applications. For a logistics firm, we developed an IntelliVision-powered solution that improved surveillance and operational efficiency.

Tech stack – YOLOv8, CNN, Streamlit, OCR Libraries & more

Services we provide

Maximize AI Potential with CAIOaaS

Leverage our Chief AI Officer as a Service (CAIOaaS) for expert AI leadership, strategic insights, and seamless AI integration tailored to your business needs.

Advanced Analytics

Unlock the power of your data and make informed decisions with valuable insights delivered by our experts

NLP & Text Analytics

Maximize the potential of your text-based data with deep insights and actionable information

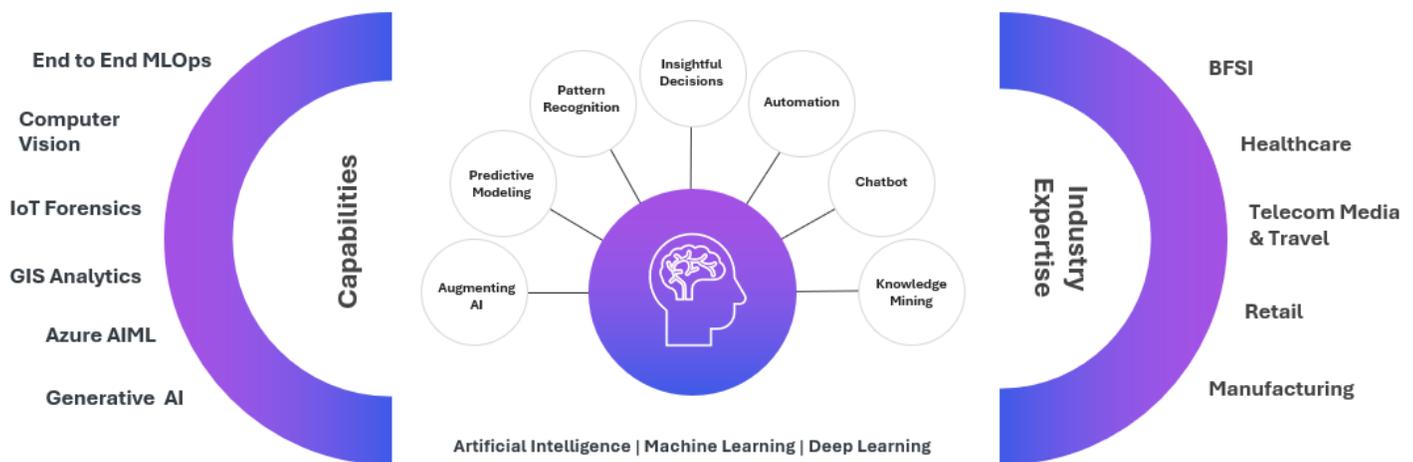**Due Date: Jan 13, 2025**

Compunnel

Intelligent Automation
Streamline your business processes and boost productivity with innovative technology to Automate tasks and workflows

Conversational AI
Drive loyalty and growth with unparalleled customer experience using natural language processing and sentiment analysis

AI/ML Technology Powered Digital Services

Research | Experiment | Innovate | Co-Create

Capabilities:
- End to End MLOps
- Computer Vision
- IoT Forensics
- GIS Analytics
- Azure AIML
- Generative AI

Pattern Recognition, Insightful Decisions, Automation, Predictive Modeling, Chatbot, Augmenting AI, Knowledge Mining

Industry Expertise:
- BFSI
- Healthcare
- Telecom Media & Travel
- Retail
- Manufacturing

Artificial Intelligence | Machine Learning | Deep Learning

Compunnel, Inc. is able to meet all the requirements from the scope of work.

If applicable, identify any subcontractors or third-party services that are utilized in the performance of fulfilling this RFP. Provide a general explanation and chart which specifies project leadership and reporting responsibilities, and how the team will interface with NCTCOG and Participating Entities' project management and team personnel.
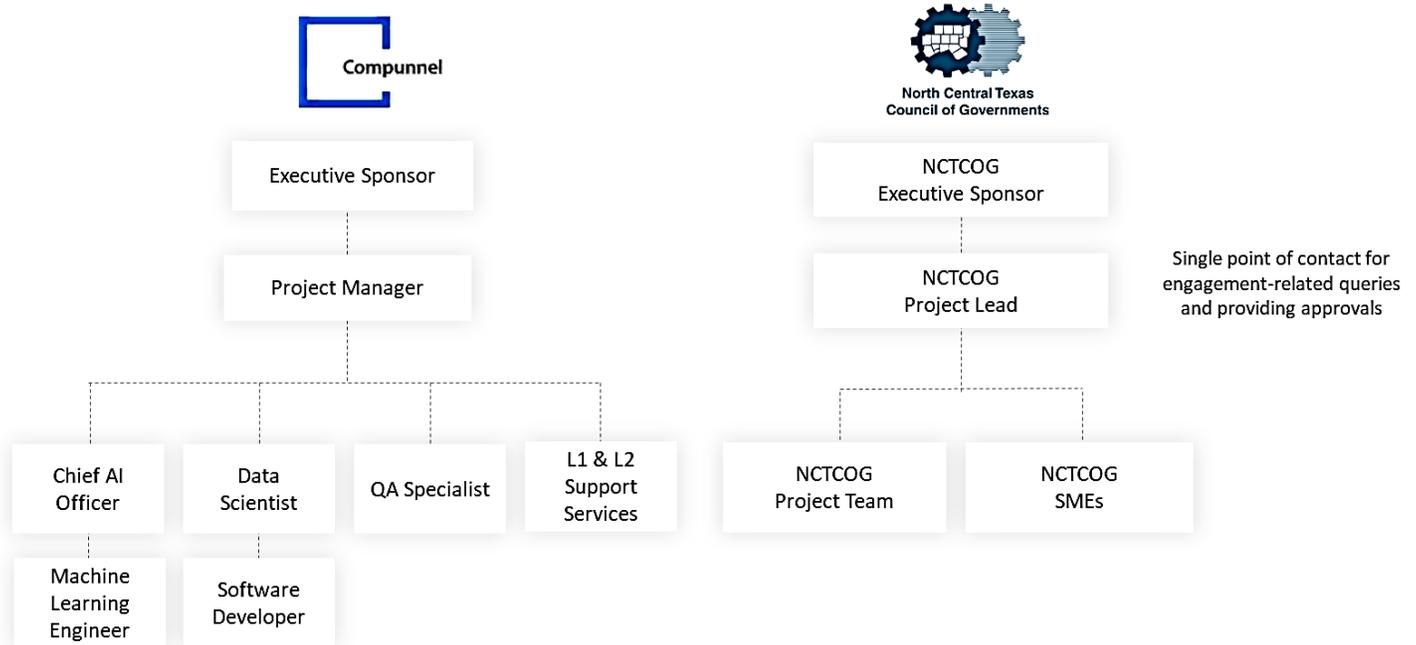
No Subcontractor or third-party services will be utilized in the performance of fulfilling this RFP.

We have provided roles and responsibilities of our proposed team above in the Section; 'Key personnel''*.*

The collaboration with NCTCOG and Participating Entities will commence with a comprehensive kickoff meeting led by our Project Manager/ Account Manager to align project goals, expectations, and timelines. This meeting will establish a clear communication plan, ensuring seamless coordination throughout the project.

Weekly progress meetings will be conducted to review milestones, address challenges, and update project stakeholders.

Monthly strategic reviews involving the Executive Sponsor will provide high-level oversight and ensure alignment with NCTCOG's objectives. A dedicated project management tool (MS Teams) will be implemented for real-time task tracking, status updates, and efficient issue resolution. To foster collaboration, our team will conduct interactive workshops led by the Chief AI Officer to refine AI use cases and strategy.

Compunnel

- Executive Sponsor
  - Project Manager
    - Chief AI Officer
      - Machine Learning Engineer
    - Data Scientist
      - Software Developer
    - QA Specialist
    - L1 & L2 Support Services

North Central Texas Council of Governments

- NCTCOG Executive Sponsor
  - NCTCOG Project Lead — *Single point of contact for engagement-related queries and providing approvals*
    - NCTCOG Project Team
    - NCTCOG SMEs

Training sessions will be organized to enhance the internal team's capacity for adopting AI solutions effectively. A structured knowledge transfer process will ensure NCTCOG's self-sufficiency in managing AI systems post-implementation. Clear and transparent reporting will include detailed weekly and monthly updates on project status, key achievements, and risk mitigation plans.

This integrated communication plan is designed to ensure active participation, address concerns promptly, and deliver measurable outcomes aligned with NCTCOG's vision.

5. TECHNICAL PROPOSAL

This section should constitute the major portion of the submittal. The Technical Proposal should include a proposed methodology for meeting the Objectives, Scope of Work, Requirements, and Deliverables outlined in Section 5.

Compunnel offers a comprehensive AI solution tailored to meet NCTCOG's strategic vision, beginning with a detailed AI assessment. The various tenets of our solution for NCTCOG are as follows:

1. AI Assessment and Innovation Roadmap
Compunnel will commence the engagement with a comprehensive AI assessment over a 3 months' timeline. This phase involves evaluating NCTCOG's current technological landscape, data infrastructure, and identifying potential AI opportunities. The outcome will be an AI Innovation Roadmap that outlines actionable insights and a strategic pathway for AI adoption.

2. AI Center of Excellence (COE) Establishment
Leveraging the findings from the assessment, Compunnel will establish an AI Center of Excellence (COE). The COE will serve as the centralized hub for AI governance, coordination, and knowledge sharing, ensuring collaboration across departments and alignment with ethical standards and industry best practices.

3. Pilot Project Implementation
After the COE is operational, Compunnel will execute pilot projects to validate the feasibility and scalability of AI solutions within NCTCOG's operational environment. These pilots will demonstrate measurable outcomes and provide insights critical for scaling AI initiatives.

4. Full-Scale Implementation and Change Management
Following the success of the pilot phase, Compunnel will guide NCTCOG through the full-scale implementation of AI initiatives. This will include capacity-building initiatives through tailored training programs and a structured change management strategy to ensure seamless adoption. Transparent communication and active stakeholder engagement will be integral throughout this phase to promote sustained innovation and operational excellence.

5. Support and Maintenance
Compunnel offers comprehensive Level 1 (L1) and Level 2 (L2) support services for a period of 3 years post-implementation. These services, available as an optional add-on, will be proposed as a separate cost component within the commercial structure.

AI SOLUTIONS PLANNING

Compunnel provides AI solutions built on a portable, cloud-agnostic architecture that ensures scalability and flexibility. Our architecture supports multi-site and multi-device deployments across various use cases, making it ideal for the diverse needs of the NCTCOG.

Based on our expertise in delivering AI solutions, Compunnel has designed the following AI Plan for NCTCOG:

North Central Texas Council of Governments (NCTCOG)
Artificial Intelligence (AI) Consultancy Services
Response To RFP # 2025-023

North Central Texas
Council of Governments

Service Area	Tasks	Deliverables
AI Innovation Kick-Off and Governance Setup	• Initial setup of AI governance framework and collaboration tools.	• Governance Framework Document • Collaboration Platform Setup and User Training
	• Conducting the first strategic planning workshop to align the NCTCOG AI team's objectives.	• Strategic Planning Workshop Report
Strategic Planning and AI Roadmap Development	• Facilitating workshops to define AI strategy, including vision, mission, and objectives.	• AI Strategic Plan Document
	• Development of the 5 year AI Roadmap with phased goals, milestones, and timelines.	• 5 year AI Roadmap with Milestones and Timelines
Industry-Specific Use Case Analysis	• Identifying and assessing potential AI use cases in key industries such as healthcare and finance.	• Industry Use Case Reports
	• Delivering feasibility studies and recommendations for pilot projects.	• Feasibility Analysis Reports Pilot Project • Implementation Plans
Data Governance and Ethical AI Implementation	• Developing a data governance framework including privacy, security, and compliance protocols.	• Data Governance Framework Document
	• Establishing ethical AI guidelines and conducting regular compliance audits.	• Ethical AI Guidelines Document • Compliance Audit Reports
Training and Capacity Building Workshops	• Designing and delivering customized training programs for NCTCOG employees and NCTCOG AI team members.	• Training Program Curriculum and Materials
	• Hosting ongoing workshops to keep stakeholders updated on AI trends and best practices.	• Workshop Reports and Continuous Learning Plan
Change Management and Public Communication	• Implementing a change management strategy to ensure smooth adoption of AI initiatives.	• Change Management Strategy Document
	• Executing a public communication plan to keep citizens informed and engaged.	• Communication Plan • Stakeholder Feedback Reports

Compunnel has designed the proposal covering 6 key areas of focus for meeting NCTCOG's vision for AI:

GOVERNANCE AND COORDINATION

Compunnel's AI COE will take a proactive role in facilitating the NCTCOG AI team agenda, ensuring that all workstreams are aligned with the strategic objectives set forth by NCTCOG stakeholders. Our approach involves:

- **Structured Meeting Schedules:** We will establish a clear and consistent meeting cadence, including regular full Team meetings, sub-committee sessions, and ad-hoc working group discussions. This structured schedule will ensure timely progress across all initiatives.
- **Agenda Management:** We will develop and manage detailed agendas for each meeting, ensuring that all relevant topics are covered, and that discussions remain focused on actionable outcomes. This includes setting priorities, assigning responsibilities, and tracking follow-up actions.
- **Cross-Workstream Coordination:** Compunnel's AICOE will act as the central coordinator across all industry-specific workstreams, ensuring that insights, challenges, and decisions are communicated effectively between groups. We will

facilitate cross-collaboration to share best practices and ensure that each workstream is informed by the collective knowledge of the NCTCOG AI team.

- **Stakeholder Engagement:** We will ensure that all key stakeholders, including NCTCOG officials, industry experts, and community representatives, are actively engaged in the NCTCOG AI team's activities. This includes preparing briefing materials, coordinating stakeholder presentations, and managing feedback loops to incorporate diverse perspectives into the decision-making process.

AI STRATEGY AND ROADMAP DEVELOPMENT

Compunnel AI COE will work closely with the NCTCOG's AI Team to develop a comprehensive AI adoption strategy that aligns with the NCTCOG's overarching goals and priorities. This strategy will be designed to ensure that AI technologies are leveraged effectively across NCTCOG while adhering to ethical standards and maximizing public benefit. The key components of the strategy will include:

- **Vision -** We will collaborate with the NCTCOG AI team to define a clear vision for AI adoption in NCTCOG, encapsulating the NCTCOG's aspirations for how AI can enhance public services, drive economic growth, and improve the quality of life for residents. This vision will serve as a guiding principle for all AI-related initiatives.

- **Mission -** The mission statement will articulate the NCTCOG's commitment to responsible AI adoption, emphasizing the importance of ethical considerations, transparency, and inclusivity in deploying AI technologies. It will also highlight the NCTCOG's dedication to fostering innovation and maintaining public trust.

- **Strategic Objectives -** We will identify and outline specific strategic objectives that align with the NCTCOG's goals. These objectives will focus on areas such as improving operational efficiency, enhancing service delivery, promoting innovation, and ensuring data privacy and security. Each objective will be measurable and time-bound, providing a clear framework for evaluating progress.

- **Key Performance Indicators (KPIs) -** To track the success of the AI adoption strategy, we will define a set of KPIs that align with the strategic objectives. These KPIs will be tailored to the unique needs of each industry sector involved in the NCTCOG AI team, ensuring that progress can be monitored and adjusted as necessary. Examples of KPIs might include the number of AI-driven initiatives implemented, improvements in service efficiency, reduction in operational costs, and levels of public trust in AI systems.

INDUSTRY USE CASES

Compunnel AI will leverage its deep expertise in AI and industry-specific knowledge to conduct comprehensive feasibility assessments for AI use cases identified by the NCTCOG's AI Team. These assessments will be critical in identifying the most promising AI applications, ensuring that they deliver tangible value, are scalable, and align with the strategic objectives of the NCTCOG.

Approach to Feasibility Assessments:

- **Identification of Potential Use Cases:**

  o **Collaborative Workshops:** We will begin by conducting workshops with key stakeholders from each business units from NCTCOG to identify potential AI use cases. These workshops will focus on understanding the unique challenges and opportunities within each sector, as well as gathering insights from domain experts.

- o **Industry Research:** Compunnel AI will perform in-depth research into existing AI implementations within each industry, both within the U.S. and globally, to identify successful use cases that could be adapted for NCTCOG. This research will include case studies, best practices, and lessons learned from similar initiatives.

- **Criteria for Feasibility Assessment:**

  - o **Strategic Alignment:** We will evaluate each potential AI use case to ensure it aligns with the NCTCOG's strategic goals and the vision established by the NCTCOG AI team. This includes assessing how well the use case supports the objectives of improving efficiency, enhancing service delivery, and fostering innovation.

  - o **Value Demonstration:** Each use case will be assessed for its potential to deliver measurable value. This includes quantifying expected benefits such as cost savings, productivity improvements, service quality enhancements, and increased citizen satisfaction. We will also evaluate the use case's impact on specific industry KPIs.

  - o **Technical Feasibility:** Compunnel AI will conduct a technical feasibility analysis to determine whether the required AI technologies and data infrastructure are available or can be developed. This includes evaluating data availability and quality, the complexity of AI model development, and the integration of AI systems with existing IT infrastructure.

  - o **Scalability:** We will assess whether the AI use case can be scaled effectively within the NCTCOG. Scalability will be evaluated based on the ease of replicating the solution, the adaptability of the AI models to different contexts, and the potential for broader adoption within the NCTCOG or even beyond.

  - o **Regulatory and Ethical Considerations:** Each use case will be examined for compliance with federal and NCTCOG regulations, including data privacy and security laws (e.g., GDPR, CCPA). We will also assess the ethical implications of the AI solution, including issues related to fairness, bias, and transparency.

  - o **Risk Assessment:** Compunnel AI will perform a risk assessment for each use case, identifying potential risks associated with the deployment of AI, including technological risks, data security concerns, and the possibility of unintended consequences. Mitigation strategies will be proposed for identified risks.

- **Developing Use Case Prototypes:**

  - o **Proof of Concept (PoC):** For use cases that show strong feasibility, Compunnel AI will develop PoCs to validate the AI solution in a controlled environment. This will involve building and testing AI models using real or synthetic data to demonstrate the solution's effectiveness and gather feedback from stakeholders.

  - o **Pilot Projects:** Based on the success of the PoC, we will propose pilot projects to implement the AI solution in a limited scope within the target industry. The pilot will be designed to gather data on performance, refine the AI models, and identify any challenges that need to be addressed before full-scale deployment.

- **Stakeholder Engagement and Feedback:**

  - o **Continuous Collaboration:** Throughout the feasibility assessment process, Compunnel AI will maintain close collaboration with stakeholders in each industry sector. This includes regular updates, collaborative decision-making, and the incorporation of feedback into the assessment process.

  - o **Workshops and Presentations:** We will conduct workshops and presentations to share the findings of the feasibility assessments with the NCTCOG AI team and other relevant stakeholders. This will include detailed reports on the potential value, scalability, and risks associated with each use case, along with recommendations for moving forward.

- **Final Recommendations:**

  - **Prioritization of Use Cases:** Based on the feasibility assessments, Compunnel AI will provide a prioritized list of AI use cases for each industry sector. This prioritization will consider factors such as strategic impact, value potential, scalability, and readiness for implementation.

  - **Implementation Strategy:** For each recommended use case, we will outline an implementation strategy that includes a phased approach, resource requirements, timeline, and potential challenges. This strategy will provide a clear roadmap for moving from feasibility assessment to full-scale deployment.

DATA GOVERNANCE AND MANAGEMENT

Compunnel AI recognizes that data governance is the foundation for successful AI adoption. To ensure that NCTCOG's AI initiatives are built on a solid and secure data infrastructure, we will provide comprehensive guidance on establishing a robust data governance framework. Our approach includes:

- **Policy Development:**

  - **Data Privacy:** We will advise on the creation of data privacy policies that comply with federal and NCTCOG regulations, such as GDPR, CCPA, and other applicable laws. These policies will outline how personal data is collected, processed, stored, and shared, ensuring that the rights of individuals are protected at all times.

  - **Data Security:** Compunnel AI will help define security policies that protect sensitive data from unauthorized access, breaches, and cyber threats. This includes recommending encryption standards, access controls, and incident response protocols. We will also ensure that these policies align with industry best practices and regulatory requirements.

  - **Data Quality Management:** To ensure that AI models are built on accurate and reliable data, we will advise on data quality management policies. These policies will address data accuracy, completeness, consistency, and timeliness, and will include processes for data validation, cleansing, and monitoring. By implementing these policies, NCTCOG can ensure that its AI systems produce trustworthy and actionable insights.

  - **NIST AI RMF Integration:** We will incorporate the NIST AI Risk Management Framework into the data governance strategy to ensure that risks associated with data handling and AI model development are systematically identified, assessed, and mitigated. This will enhance the robustness of the NCTCOG's AI initiatives by aligning them with federal standards for AI risk management.

- **Governance Structure:**

  - **Roles and Responsibilities:** We will work with the NCTCOG AI team to define clear roles and responsibilities within the data governance framework. This includes identifying data stewards, data owners, and other key stakeholders who will be responsible for overseeing data governance activities and ensuring compliance with policies.

  - **Data Governance Committee:** We will recommend the formation of a Data Governance Committee composed of representatives from each industry sector involved in the NCTCOG AI team. This committee will oversee the implementation of data governance policies, resolve data-related issues, and ensure that data governance practices are consistent across all organizations.

- **Data Lifecycle Management:**

  o **Data Classification:** Compunnel AI will advise on the development of a data classification scheme that categorizes data based on its sensitivity, criticality, and regulatory requirements. This will help in determining the appropriate level of protection and management for different types of data.
  o **Data Retention and Disposal:** We will help establish policies for data retention and disposal, ensuring that data is retained only as long as necessary for its intended purpose and securely disposed of when no longer needed. These policies will also consider legal and regulatory requirements for data retention.

- **Data Governance Tools:**

  o **Technology Recommendations:** We will recommend data governance tools and technologies that can automate and streamline data governance processes. These tools may include data cataloguing systems, metadata management solutions, and data lineage tracking systems that provide visibility into how data is used and managed across the organization.

ETHICS AND COMPLIANCE

Ethical AI adoption is critical to building public trust and ensuring that AI technologies are used responsibly. Compunnel AI's approach to the NCTCOG's AI Innovations Strategy project is built on a foundation of industry-leading practices, comprehensive risk management, and a deep commitment to ethical AI deployment. We incorporate frameworks such as the NIST AI Risk Management Framework (NIST AI RMF) to ensure that our strategies are not only aligned with federal standards but also optimized for the specific needs and objectives of the NCTCOG. Our methodology ensures that the benefits of AI are maximized while minimizing risks across governance, strategy, data, ethics, and risk management. For applying a tailored **AI Risk Management Framework**:

- **Ethical AI Framework:** We will help the NCTCOG AI team define the core principles of ethical AI that will guide all AI initiatives in the NCTCOG. These principles may include fairness, transparency, accountability, privacy, and inclusivity. By embedding these principles into the AI strategy, NCTCOG can ensure that AI systems are designed and deployed in a manner that respects human rights and societal values.
- **NIST AI RMF-Based Approach:** Compunnel AI will apply the NIST AI RMF to guide the NCTCOG in identifying, assessing, and mitigating AI-related risks. This framework provides a structured approach to managing risks across various dimensions, including data privacy, algorithmic bias, and system security.
- **Risk Identification and Assessment:** We will work with the NCTCOG AI team to identify potential risks associated with AI adoption, including those related to data handling, model performance, and system integration. Each risk will be assessed based on its likelihood and potential impact and prioritized accordingly.
- **Mitigation Strategies:** For each identified risk, Compunnel AI will develop tailored mitigation strategies that address the root causes and reduce the potential impact. These strategies will include technical measures, such as robust data anonymization techniques, as well as organizational measures, such as clear accountability frameworks.
- **Continuous Monitoring and Improvement:** Our risk management approach will include continuous monitoring of AI systems to detect and respond to emerging risks. We will establish feedback loops and regular review cycles to ensure that the risk management strategies remain effective and are updated in response to new challenges or changes in the AI landscape.
- **System Security:** We will ensure that all AI systems are designed with security in mind, incorporating best practices such as secure coding, regular security testing, and real-time threat monitoring. This will protect the NCTCOG's AI systems from cyber threats and ensure the integrity of AI-driven decisions.

- **Algorithmic Bias Management:** Compunnel AI will implement specific measures to detect, assess, and mitigate algorithmic bias in AI systems. This will involve regular audits, the use of fairness-enhancing technologies, and continuous evaluation of AI models to ensure they produce equitable outcomes.
- **Compliance with Regulations:**
  o Federal and NCTCOG Regulations: Compunnel AI will ensure that the ethical AI guidelines align with federal and NCTCOG regulations, including data protection laws, anti-discrimination laws, and AI-specific regulations. This includes compliance with laws such as the GDPR, CCPA, and any relevant NCTCOG-specific AI legislation.
  o Global Best Practices: We will also incorporate global best practices and standards for ethical AI use, such as those outlined by the OECD AI Principles, the European Commission's Ethics Guidelines for Trustworthy AI, and the IEEE Global Initiative on Ethics of Autonomous and Intelligent Systems.
- **Ethics Review Process:**
  o Ethics Review Board: We will recommend the establishment of an Ethics Review Board within the NCTCOG AI team. This board will be responsible for reviewing AI projects to ensure they adhere to the ethical AI guidelines. The board will provide oversight, conduct ethical impact assessments, and offer recommendations for mitigating ethical risks.
  o Ethical AI Audits: Compunnel AI will advise on the implementation of regular ethical AI audits to evaluate the ethical performance of AI systems. These audits will assess compliance with ethical guidelines, identify potential ethical issues, and recommend corrective actions.
- **Transparency and Public Engagement:**
  o Transparency Reporting: We will help develop transparency reporting mechanisms that provide stakeholders and the public with clear information about how AI systems are being used, the data they rely on, and the measures in place to protect against bias and unethical use.
  o Public Consultation: To ensure that the ethical AI guidelines reflect the values and concerns of NCTCOG's citizens, we will recommend conducting public consultations and workshops. These engagements will gather input from diverse communities and stakeholders, ensuring that the ethical framework is inclusive and representative.

TRAINING AND CAPACITY BUILDING

To successfully implement and sustain AI initiatives, it is essential to build AI literacy and capability among NCTCOG employees, stakeholders, and members of the NCTCOG AI team. Compunnel AI will design and deliver tailored training programs and workshops that address the unique needs of NCTCOG's workforce. Our approach includes:

- **AI Literacy Programs:**
  o **Foundational AI Training:** We will develop foundational AI training programs that introduce participants to the basic concepts, tools, and technologies of AI. These programs will cover topics such as machine learning, natural language processing, computer vision, and AI ethics, providing a solid understanding of AI's capabilities and limitations.
  o **Advanced AI Training:** For technical staff and key stakeholders, we will offer advanced AI training that delves deeper into specific AI technologies and methodologies. This training will include hands-on workshops on AI model development, data analysis, and AI system integration, equipping participants with the skills needed to develop and manage AI solutions.

- **Industry-Specific Workshops:**
  o **Sector-Focused Training:** We will design industry-specific workshops that address the unique challenges and opportunities of AI adoption within each sector (e.g., healthcare, finance, education). These workshops will provide practical insights and examples of how AI can be applied to improve sector-specific processes and outcomes.

North Central Texas Council of Governments (NCTCOG)
Artificial Intelligence (AI) Consultancy Services
Response To RFP # 2025-023

North Central Texas
Council of Governments

- o **Case Study Analysis:** Participants will engage in case study analysis sessions where they will explore real-world AI implementations, learn from successes and failures, and discuss how similar strategies can be applied within other organizations.

- **Capacity Building for AI Governance:**
  - o **Data Governance Training:** We will provide training on data governance best practices, ensuring that participants understand the importance of data quality, privacy, and security in AI initiatives. This training will cover topics such as data management, data lifecycle, and compliance with data protection regulations.
  - o **Ethics and Compliance Workshops:** To reinforce the importance of ethical AI use, we will conduct workshops on AI ethics and compliance. These sessions will explore ethical dilemmas, discuss the implementation of ethical AI guidelines, and provide participants with tools to ensure that AI systems are developed and used responsibly.

- **Ongoing Support and Resources:**
  - o **Training Materials and Resources:** Compunnel AI will provide comprehensive training materials, including manuals, guides, and e-learning modules, to support ongoing learning and capacity building. These resources will be made available through the collaboration platform, allowing participants to access them at any time.
  - o **Mentorship and Coaching:** To further support the development of AI capabilities, we will offer mentorship and coaching services. Experienced AI professionals from Compunnel AI will be available to guide participants through complex AI projects, provide advice on best practices, and help troubleshoot challenges.

- **Evaluation and Feedback:**
  - o **Training Effectiveness Assessment:** We will implement a training effectiveness assessment process to evaluate the impact of the training programs and workshops. This will include pre- and post-training assessments, participant feedback surveys, and performance evaluations. Based on the results, we will make adjustments to the training programs to ensure continuous improvement.

CHANGE MANAGEMENT AND COMMUNICATION

Effective change management and communication are essential to the successful adoption of AI technologies. Compunnel AI will develop a strategic communication plan that articulates the AI vision, progress, and successes to all stakeholders, ensuring transparency and fostering public trust. Our approach includes:

- **AI Vision Communication:**
  - o **Clear Messaging:** We will work with the NCTCOG AI team to develop clear and consistent messaging that communicates the NCTCOG's AI vision to all stakeholders. This messaging will highlight the benefits of AI adoption, the NCTCOG's commitment to ethical AI, and the positive impact AI will have on public services and the economy.
  - o **Stakeholder Alignment:** Our communication plan will ensure that all stakeholders, including government officials, industry partners, and the public, are aligned with the AI vision. We will facilitate stakeholder meetings and workshops to discuss the AI vision, gather feedback, and address any concerns or questions.

- **Progress Reporting:**
  - o **Regular Updates:** Compunnel AI will establish a regular schedule for progress reporting, ensuring that stakeholders are kept informed about the status of AI initiatives. These updates will include detailed reports on project milestones, key achievements, and any challenges encountered.
  - o **Public Progress Reports:** To maintain transparency, we will recommend the publication of regular progress reports for the public. These reports will be made available through the NCTCOG's website and other

communication channels, providing citizens with insights into the NCTCOG's AI initiatives and their impact on public services.

- **Success Storytelling:**
    - **Case Studies and Success Stories:** We will develop case studies and success stories that showcase the positive outcomes of AI adoption in NCTCOG. These stories will be shared with stakeholders and the public to demonstrate the value of AI and build support for future initiatives.
    - **Visual and Interactive Content:** To engage a broader audience, we will create visual and interactive content, such as infographics, videos, and webinars, that highlight key AI successes. This content will be distributed through various media channels, including social media, to reach a wide audience.

- **Stakeholder Engagement:**
    - **Town Halls and Public Forums:** Compunnel AI will organize town halls and public forums where stakeholders can learn about AI initiatives, ask questions, and provide feedback. These events will foster open dialogue between the NCTCOG and its citizens, ensuring that public concerns are heard and addressed.
    - **Feedback Mechanisms:** We will implement feedback mechanisms, such as surveys and suggestion boxes, to gather input from stakeholders and the public. This feedback will be used to refine AI initiatives and ensure that they align with the needs and expectations of the community.

- **Crisis Communication:**
    - **Preparedness Planning:** In the event of challenges or setbacks, Compunnel AI will develop a crisis communication plan that outlines how to communicate effectively with stakeholders during difficult situations. This plan will include clear protocols for addressing concerns, managing public perception, and ensuring that the NCTCOG's reputation remains intact.
    - **Responsive Communication:** Our crisis communication plan will emphasize the importance of timely and transparent communication. We will prepare communication templates and key messages that can be quickly adapted and deployed in response to any issues that arise.

- **Ongoing Communication and Engagement:**
    - **Continuous Improvement:** Compunnel AI will regularly review and update the communication plan to reflect the evolving needs of the AI initiatives. We will conduct periodic assessments to evaluate the effectiveness of communication strategies and make adjustments as needed.
    - **Long-Term Engagement:** Our communication plan will include strategies for maintaining long-term engagement with stakeholders, ensuring that the AI vision continues to resonate with the community and that AI initiatives remain a priority for the NCTCOG.

ENGAGEMENT ROADMAP WITH NCTCOG

Our approach to NCTCOG's AI transformation will employ a Core-Flex engagement methodology, with services divided into two primary workstreams running in parallel: **Advisory & Strategy** (led by the Chief AI Officer) and **AI Solutions Implementation** (led by a cross-functional project team in the Flexible model). The advisory workstream focuses on AI readiness assessment and roadmap development, while the implementation workstream drives pilot projects, deployment, and ongoing support.

The phased approach is outlined below, detailing each phase, its activities, milestones, and timeline.

North Central Texas Council of Governments (NCTCOG)
Artificial Intelligence (AI) Consultancy Services
Response To RFP # 2025-023

North Central Texas
Council of Governments

PHASE 1: AI READINESS DISCOVERY ASSESSMENT & STRATEGIC PLANNING (MONTHS 1-3)

- ✓ **Data and Infrastructure Audit** (Month 1)
  - o Conduct an in-depth review of current data systems, storage, and architecture.
  - o Document data quality, accessibility, and existing infrastructure gaps.
  - o **Milestone 1:** Completion of Data and Infrastructure Audit Report.

- ✓ **Capability & Organizational Readiness Assessment** (Month 1)
  - o Evaluate NCTCOG's organizational readiness, identifying skills gaps, governance capabilities, and potential process changes.
  - o Define NCTCOG's AI maturity level and determine key improvement areas.
  - o **Milestone 2:** Delivery of Readiness Assessment Report.

- ✓ **As-Is Analysis & Opportunity Identification** (Months 2-3)
  - o Map NCTCOG's current processes to identify AI opportunities and align with NCTCOG's priorities.
  - o Pinpoint potential high-value use cases for AI applications.
  - o **Milestone 3:** As-Is Analysis and AI Opportunity Report.

- ✓ **Strategic Roadmap Development** (Months 2-3)
  - o Develop a detailed AI roadmap with prioritized use cases, high-level timelines, and recommended resources.
  - o Define measurable objectives, potential challenges, and key success factors for AI adoption.
  - o **Milestone 4:** AI Strategic Roadmap Document.

- ✓ **Parallel Pilot Project Planning (Months 2-3)**
  - o As the readiness assessment progresses, the **AI Solutions Implementation Team** will start planning high-priority pilot projects based on identified use cases.
  - o Key roles: Project Manager (BA), Data Scientist, Machine Learning Engineer, and Cloud Architect (Flex team, as needed).
  - o **Milestone 5:** Pilot Project Plan, outlining timelines, resources, and success metrics.

PHASE 2: PILOT PROJECTS FOR AI IMPLEMENTATION (MONTHS 4-14)

With the foundational strategy in place, the implementation team will begin working on the pilot projects. This workstream will use a hybrid model, with offshore work.

- ✓ **Pilot Development & Iterative Testing (Months 4-10)**
  - o Development and testing of pilot AI applications aligned with prioritized use cases from the roadmap.
  - o Data Scientist and Machine Learning Engineer to work on model development and iterative tuning.
  - o Cloud Architect to set up a scalable infrastructure in alignment with data governance policies.
  - o **Milestone 6:** Initial Pilot Model Deployment (Month 6).

- ✓ **Performance Measurement & Validation (Months 6-10)**
  - o Measure and monitor pilot performance, focusing on key metrics such as accuracy, processing time, and user feedback.
  - o Conduct iterative improvement cycles for model enhancement based on NCTCOG's feedback.
  - o **Milestone 7:** Performance and Validation Report for each pilot (Month 10).

- ✓ **Pilot Refinement and Finalization (Months 10-14)**
  - o Finalize pilot solutions based on validation outcomes, optimizing for full-scale deployment.
  - o Generate a comprehensive pilot success report for NCTCOG stakeholders.

o **Milestone 8:** Pilot Finalization Report (Month 14).

PHASE 3: DEPLOYMENT AND INTEGRATION (MONTHS 12-24)

After successful completion of the pilot projects, the solutions will be transitioned to full-scale deployment and integrated into NCTCOG's systems.

✓ **Full-Scale AI Solution Deployment (Months 12-18)**
  o Deployment of refined pilot solutions at scale, with integration support for seamless interaction with NCTCOG's existing systems.
  o The Cloud Architect will lead the deployment efforts, with support from the Data Scientist and Machine Learning Engineer as needed.
  o **Milestone 9:** Full-Scale Deployment Completion (Month 18).

✓ **System Integration and Validation (Months 18-24)**
  o Validate end-to-end system performance, ensuring AI solutions operate effectively within NCTCOG's ecosystem.
  o Document integration workflows and update NCTCOG's IT playbook.
  o **Milestone 10:** Integration and Validation Report (Month 24).

PHASE 4: AI MANAGED SUPPORT AND CONTINUOUS IMPROVEMENT (MONTHS 25-60)

The AI Solutions Implementation Team will transition to a managed support role, providing NCTCOG with ongoing assistance, maintenance, and enhancements.

✓ **Monitoring, Tuning, and Maintenance (Months 25-60)**
  o Continuous monitoring of deployed AI systems for performance, accuracy, and reliability.
  o Model tuning and retraining based on evolving data patterns and new requirements.

✓ **Knowledge Transfer and Training (Months 25-60)**
  o Provide structured training sessions and knowledge transfer workshops for NCTCOG's staff, covering AI model management, data handling, and troubleshooting.

✓ **L1 Support: Day-to-Day Issue Resolution (Months 25-60)**
  o Manage user-reported issues, ensuring prompt identification, resolution, and user satisfaction.
  o Address operational bottlenecks in real-time and ensure adherence to SLAs for issue resolution.

✓ **L2 Support: Advanced Issue Escalation and Fixes (Months 25-60)**
  o Handle escalated issues requiring advanced technical expertise or system modifications.
  o Conduct root cause analysis for recurring issues and implement long-term fixes.

✓ **SLA Monitoring and Reporting (Months 25-60)**
  o Regularly monitor SLA compliance for L1 and L2 support tickets.
  o Generate detailed performance and resolution reports for ongoing service improvement.

✓ **Continuous Improvement and Optimization (Months 25-60)**
  o Analyze support data and feedback to identify opportunities for process and system enhancements.
  o Recommend and implement optimizations for improved reliability, efficiency, and user experience.
  o **Milestone 11:** Monthly Issue Resolution Reports, Quarterly SLA and Performance Review Reports, Annual Continuous Improvement Plan.

North Central Texas Council of Governments (NCTCOG)
Artificial Intelligence (AI) Consultancy Services
Response To RFP # 2025-023

North Central Texas
Council of Governments

6. PRICING

Proposed Pricing

Pricing

Respondent Name	Compunnel Software Group, Inc.

Artificial Intelligence (AI) Consultancy Services

Item	Description	Price	Conditions
1	PM + BA	$38	Offshore Delivery. 6720 hours effort estimated across 5 years deal term. Travel costs charged at actuals. Onsite charges = US $95/hour (billed on actuals, as required by NCTCOG)
2	Chief AI Officer	$55	Offshore Delivery. 6720 hours effort estimated across 5 years deal term. Travel costs charged at actuals. Onsite charges = US $125/hour (billed on actuals, as required by NCTCOG)
3	Data Scientist	$40	Offshore Delivery. 6720 hours effort estimated across 5 years deal term. Travel costs charged at actuals. Onsite charges = US $100/hour (billed on actuals, as required by NCTCOG)
4	Machine Learning Engineer	$38	Offshore Delivery. 9840 hours effort estimated across 5 years deal term. Travel costs charged at actuals. Onsite charges = US $105/hour (billed on actuals, as required by NCTCOG)
5	QA Specialist	$30	Offshore Delivery. 2080 hours effort estimated across 5 years deal term. Travel costs charged at actuals. Onsite charges = US $80/hour (billed on actuals, as required by NCTCOG)
6	Software Developer	$30	Offshore Delivery. 2080 hours effort estimated across 5 years deal term. Travel costs charged at actuals. Onsite charges = US $85/hour (billed on actuals, as required by NCTCOG)
7	L1 Support Executive	$22	Offshore Delivery. 5760 hours effort estimated across 5 years deal term. Travel costs charged at actuals. Onsite charges = US $65/hour (billed on actuals, as required by NCTCOG)
8	L2 Support Lead	$26	Offshore Delivery. 5760 hours effort estimated across 5 years deal term. Travel costs charged at actuals. Onsite charges = US $75/hour (billed on actuals, as required by NCTCOG)
Contractors shall provide additional related servcies at catalog price less:		%	Not applicable

Payment Milestones

Phase	Milestone	Costs (USD)
Phase 1: AI Readiness Discovery Assessment & Strategic Planning	Completion of Data and Infrastructure Audit Report	$82,323
	Delivery of Readiness Assessment Report	
	As-Is Analysis and AI Opportunity Report	
	AI Strategic Roadmap Document	
	Pilot Project Plan, outlining timelines, resources, and success metrics	
Phase 2: Pilot Projects for AI Implementation	Initial Pilot Model Deployment	$3,30,510
	Performance and Validation Report for each pilot	
	Pilot Finalization Report	
Phase 3: Deployment and	Full-Scale Deployment Completion	$3,69,939
	Integration and Validation Report	
Phase 4: AI Managed Support & and Continuous Improvement	Monthly Issue Resolution Reports, Quarterly SLA and Performance Review Reports, Annual Continuous Improvement Plan	$8,79,859
Total		$16,62,631

Yearly Cost Schedule

Phase Completion	Year	Costs (USD)
Phase 1 and 2	Year 1	$3,38,846
Phase 3	Year 2	$4,43,927
Phase 4	Year 3	$2,93,286
	Year 4	$2,93,286
	Year 5	$2,93,286
Total		$16,62,631

Compunnel

North Central Texas Council of Governments (NCTCOG)
Artificial Intelligence (AI) Consultancy Services
Response To RFP # 2025-023

North Central Texas Council of Governments

Assumptions	1. NCTCOG will provide timely access for all associated relevant systems and applications to Compunnel resources before the project initiation. 2. NCTCOG will assign a dedicated project manager or primary point of contact for communication and coordination throughout the project lifecycle. 3. NCTCOG will ensure the required hardware, network resources, and security configurations are in place for the successful deployment of the AI solution. 4. Any necessary third-party software, tools, or licensing required for the AI solutions will be procured and made available by NCTCOG. 5. NCTCOG will ensure that their existing security policies and compliance standards align with the proposed AI solutions and implementation steps. 6. Compunnel will not be responsible for any activities associated with data cleanup or data transformation unless otherwise agreed upon during the requirement gathering stages. 7. NCTCOG will report issues within agreed SLAs, and timely responses to incident management will be provided by the support team. 8. NCTCOG will ensure the participation of relevant staff for the knowledge transfer and training sessions. 9. Deliverables will be considered complete once NCTCOG has reviewed and approved them during each phase and milestone as specified above. 10. Any changes to the project deliverables will require a formal change request and may impact the timeline or cost. 11. If any third-party vendors or partners are involved in the solution implementation, NCTCOG will be responsible for coordinating with them and ensuring timely delivery of their components. 12. Compunnel is not liable for any delays caused by third-party vendors. 13. Any new application development and maintenance (apart from the ones relevant to the scope of work as specified in the response document) will be out of scope of the project.
Key Dependencies on NCTCOG	1. Project timelines depend on NCTCOG's timely feedback during each phase of the project as specified in the response document. 2. Access to necessary documentation, environments, and stakeholders for approvals is crucial for the timely completion of each phase. 3. Any integrations with external systems (e.g., databases, third-party applications, etc.) need to be configured and accessible during implementation. 4. Any delays in completing internal testing, providing feedback, or validating the AI solutions will affect the overall timeline. 5. Timely availability of the required infrastructure is essential for successful support services to be provided to NCTCOG.
Terms & Conditions	1. Any additional work outside the agreed scope may incur additional costs and extend the project timeline. 2. All deliverables created during the project will remain the intellectual property of NCTCOG, unless otherwise stated. Compunnel will provide the necessary documentations as part of the final deliverables. 3. Both parties agree to maintain the confidentiality of proprietary information, trade secrets, and any confidential data shared during the project. Any sensitive information exchanged during the project will not be disclosed to third parties without prior written consent. 4. Either party can terminate the agreement with prior written notice (2 months in advance) in the event of a material breach or failure to meet obligations outlined in the contract. In case of termination, all pending payments for work completed up to the termination date will be due. 5. Neither party will be liable for delays or failures to meet obligations caused by factors outside their reasonable control (e.g., natural disasters, war, pandemics, etc.). In the event of force majeure, both parties will work together to mitigate the impact on the project.

7. HUB BONUS

5 additional points will be awarded upon submission of proof of certification as a Historically Underutilized Business (HUB), Minority, Women-Owned or Disadvantaged Business Enterprise.

THIS CERTIFIES THAT

Compunnel Software Group, Inc.
dba Compunnel Inc./ Compunnel Healthcare

NMSDC
National Minority Supplier Development Council

* Nationally certified by the: **NEW YORK & NEW JERSEY MINORITY SUPPLIER DEVELOPMENT COUNCIL**

*NAICS Code(s): 561311; 561320; 541214

* Description of their product/services as defined by the North American Industry Classification System (NAICS)

05/17/2024
Issued Date

NY04672
Certificate Number

06/17/2025
Expiration Date

Ying McGuire
NMSDC CEO and President

Terrence Clark, President & CEO

By using your password (NMSDC issued only), authorized users may log into NMSDC Central to view the entire profile: http://nmsdc.org

Certify, Develop, Connect, Advocate.
* MBEs certified by an Affiliate of the National Minority Supplier Development Council, Inc.®

North Central Texas Council of Governments (NCTCOG)
Artificial Intelligence (AI) Consultancy Services
Response To RFP # 2025-023

**North Central Texas
Council of Governments**

8. REQUIRED ATTACHMENTS

Please include signed copies of all ATTACHMENTS (beginning with ATTACHMENT I) appended to the back of this solicitation document. All attachments must be submitted with the proposal, or the proposal may be disqualified as nonresponsive. If an attachment does not apply, please mark as "Not Applicable" and submit with the proposal.

REQUIRED ATTACHMENT CHECKLIST

Please utilize this checklist to ensure that all required attachments are included with your proposal. IF AN ATTACHMENT DOES NOT APPLY, PLEASE MARK AS "**NOT APPLICABLE**" AND SUBMIT WITH THE PROPOSAL. FAILURE TO SUBMIT **ALL REQUIRED DOCUMENTS** MAY NEGATIVELY IMPACT YOUR EVALUATION SCORE.

- ☑ Page 1 - Cover Sheet
- ☑ Page 20 - Attachment I: Instructions for Proposals Compliance and Submittal
- ☑ Page 21 - Attachment II: Certification of Offeror
- ☑ Page 22 - Attachment III: Certification Regarding Debarment
- ☑ Page 23 - Attachment IV: Restrictions on Lobbying
- ☑ Page 25 - Attachment V: Drug-Free Workplace Certification
- ☑ Page 26 - Attachment VI: Certification Regarding Disclosure of Conflict of Interest
- ☑ Page 29 - Attachment VII: Certification of Fair Business Practices
- ☑ Page 30 - Attachment VIII: Certification of Good Standing Texas Corporate Franchise Tax Certification
- ☑ Page 31 - Attachment IX: Historically Underutilized Businesses
- ☑ Page 32 - Attachment X: Federal and State of Texas Required Procurement Provisions
- ☑ Page 35 - Exhibit 1: Service Designation Areas

Respondent recognizes that all proposals must be submitted electronically through Public Purchase by the RFP due date and time. All other forms of submissions will be deemed nonresponsive and will not be opened or considered.

North Central Texas Council of Governments (NCTCOG)
Artificial Intelligence (AI) Consultancy Services
Response To RFP # 2025-023

North Central Texas
Council of Governments

ATTACHMENT I: INSTRUCTIONS
FOR PROPOSALS COMPLIANCE AND SUBMITTAL

Compliance with the Solicitation

Submissions must be in strict compliance with this solicitation. Failure to comply with all provisions of the solicitation may result in disqualification.

Compliance with the NCTCOG Standard Terms and Conditions

By signing its submission, Offeror acknowledges that it has read, understands and agrees to comply with the NCTCOG standard terms and conditions.

Acknowledgment of Insurance Requirements

By signing its submission, Offeror acknowledges that it has read and understands the insurance requirements for the submission. Offeror also understands that the evidence of required insurance must be submitted within ten (10) working days following notification of its offer being accepted; otherwise, NCTCOG may rescind its acceptance of the Offeror's proposals. The insurance requirements are outlined in Section 2.2 - General Terms and Conditions.

Name of Organization/Contractor(s):

Compunnel Software Group, Inc.

Signature of Authorized Representative:

Digitally signed by Ashish Yadav
Date: 2024.12.13 15:55:00 +05'30'

Date: December 13, 2024

North Central Texas Council of Governments (NCTCOG)
Artificial Intelligence (AI) Consultancy Services
Response To RFP # 2025-023

North Central Texas
Council of Governments

ATTACHMENT II: CERTIFICATIONS OF OFFEROR

I hereby certify that the information contained in this proposal and any attachments is true and correct and may be viewed as an accurate representation of proposed services to be provided by this organization. I certify that no employee, board member, or agent of the North Central Texas Council of Governments has assisted in the preparation of this proposal. I acknowledge that I have read and understand the requirements and provisions of the solicitation and that the organization will comply with the regulations and other applicable local, state, and federal regulations and directives in the implementation of this contract.

I also certify that I have read and understood all sections of this solicitation and will comply with all the terms and conditions as stated; and furthermore that I, <u>Ashish Yadav</u> (typed or printed name) certify that I am the <u>Program Manager</u> (title) of the corporation, partnership, or sole proprietorship, or other eligible entity named as offeror and respondent herein and that I am legally authorized to sign this offer and to submit it to the North Central Texas Council of Governments, on behalf of said offeror by authority of its governing body.

Name of Organization/Contractor(s):

<u>Compunnel Software Group, Inc.</u>

Signature of Authorized Representative:

Digitally signed by Ashish Yadav
Date: 2024.12.13 16:00:30 +05'30'

Date: <u>December 13, 2024</u>

ATTACHMENT III: CERTIFICATION
REGARDING DEBARMENT, SUSPENSION AND OTHER RESPONSIBILITY MATTERS

This certification is required by the Federal Regulations Implementing Executive Order 12549, Debarment and Suspension, 45 CFR Part 93, Government-wide Debarment and Suspension, for the Department of Agriculture (7 CFR Part 3017), Department of Labor (29 CFR Part 98), Department of Education (34 CFR Parts 85, 668, 682), Department of Health and Human Services (45 CFR Part 76).

The undersigned certifies, to the best of his or her knowledge and belief, that both it and its principals:

1.   Are not presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from participation in this transaction by any federal department or agency;

2.   Have not within a three-year period preceding this contract been convicted of or had a civil judgment rendered against them for commission of fraud or a criminal offense in connection with obtaining, attempting to obtain, or performing a public (Federal, State, or Local) transaction or contract under a public transaction, violation of federal or State antitrust statues or commission of embezzlement, theft, forgery, bribery, falsification, or destruction of records, making false Proposals, or receiving stolen property;

3.   Are not presently indicated for or otherwise criminally or civilly charged by a government entity with commission of any of the offense enumerated in Paragraph (2) of this certification; and,

4.   Have not within a three-year period preceding this contract had one or more public transactions terminated for cause or default.

Where the prospective recipient of federal assistance funds is unable to certify to any of the qualifications in this certification, such prospective recipient shall attach an explanation to this certification form.

Name of Organization/Contractor(s):

Compunnel Software Group, Inc.

Signature of Authorized Representative:

Digitally signed by Ashish Yadav
Date: 2024.12.13 16:02:09 +05'30'

Date: December 13, 2024

ATTACHMENT IV: RESTRICTIONS ON LOBBYING

Section 319 of Public Law 101-121 prohibits recipients of federal contracts, grants, and loans exceeding $100,000 at any tier under a federal contract from using appropriated funds for lobbying the Executive or Legislative Branches of the federal government in connection with a specific contract, grant, or loan. Section 319 also requires each person who requests or receives a federal contract or grant in excess of $100,000 to disclose lobbying.

No appropriated funds may be expended by the recipient of a federal contract, loan, or cooperative agreement to pay any person for influencing or attempting to influence an officer or employee of any federal executive department or agency as well as any independent regulatory commission or government corporation, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with any of the following covered federal actions: the awarding of any federal contract, the making of any federal grant, the making of any federal loan the entering into of any cooperative agreement and the extension, continuation, renewal, amendment, or modification of any federal contract, grant, loan, or cooperative agreement.

As a recipient of a federal grant exceeding $100,000, NCTCOG requires its subcontractors of that grant to file a certification, set forth in Appendix B.1, that neither the agency nor its employees have made, or will make, any payment prohibited by the preceding paragraph.

Subcontractors are also required to file with NCTCOG a disclosure form, set forth in Appendix B.2, if the subcontractor or its employees have made or have agreed to make any payment using nonappropriated funds (to include profits from any federal action), which would be prohibited if paid for with appropriated funds.

North Central Texas Council of Governments (NCTCOG)
Artificial Intelligence (AI) Consultancy Services
Response To RFP # 2025-023

North Central Texas
Council of Governments

LOBBYING CERTIFICATION
FOR CONTRACTS, GRANTS, LOANS, AND COOPERATIVE AGREEMENTS

The undersigned certifies, to the best of his or her knowledge or belief, that:

1. No federal appropriated funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, officer or employee of Congress, or an officer or employee of a Member of Congress in connection with the awarding of any federal contract, the making of any federal loan, the entering into of any cooperative Contract, and the extension, continuation, renewal, amendment, or modification or any federal contract, grant, loan, or cooperative contract; and

2. If any funds other than federal appropriated funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with this federal contract, grant, loan, and or cooperative contract, the undersigned shall complete and submit Standard Form – LLL, "Disclosure Form to Report Lobbying", in accordance with the instructions.

3. The undersigned shall require that the language of this certification be included in the award documents for all sub-awards at all tiers and that all sub-recipients shall certify accordingly.

Name of Organization/Contractor(s):

Compunnel Software Group, Inc.

Signature of Authorized Representative:

Digitally signed by Ashish Yadav
Date: 2024.12.13 16:03:12 +05'30'

Date: December 13, 2024

ATTACHMENT V: DRUG-FREE WORKPLACE CERTIFICATION

The Compunnel Software Group, Inc. (company name) will provide a Drug Free Work Place in compliance with the Drug Free Work Place Act of 1988. The unlawful manufacture, distribution, dispensing, possession or use of a controlled substance is prohibited on the premises of the Compunnel Software Group, Inc. (company name) or any of its facilities. Any employee who violates this prohibition will be subject to disciplinary action up to and including termination. All employees, as a condition of employment, will comply with this policy.

CERTIFICATION REGARDING DRUG-FREE WORKPLACE

This certification is required by the Federal Regulations Implementing Sections 5151-5160 of the Drug-Free Workplace Act, 41 U.S.C. 701, for the Department of Agriculture (7 CFR Part 3017), Department of Labor (29 CFR Part 98), Department of Education (34 CFR Parts 85, 668 and 682), Department of Health and Human Services (45 CFR Part 76).

The undersigned subcontractor certifies it will provide a drug-free workplace by:

Publishing a policy Proposal notifying employees that the unlawful manufacture, distribution, dispensing, possession or use of a controlled substance is prohibited in the workplace and specifying the consequences of any such action by an employee;

Establishing an ongoing drug-free awareness program to inform employees of the dangers of drug abuse in the workplace, the subcontractor's policy of maintaining a drug-free workplace, the availability of counseling, rehabilitation and employee assistance programs, and the penalties that may be imposed on employees for drug violations in the workplace;

Providing each employee with a copy of the subcontractor's policy Proposal;

Notifying the employees in the subcontractor's policy Proposal that as a condition of employment under this subcontract, employees shall abide by the terms of the policy Proposal and notifying the subcontractor in writing within five days after any conviction for a violation by the employee of a criminal drug abuse statue in the workplace;

Notifying the Board within ten (10) days of the subcontractor's receipt of a notice of a conviction of any employee; and,

Taking appropriate personnel action against an employee convicted of violating a criminal drug statue or requires such employee to participate in a drug abuse assistance or rehabilitation program.

Name of Organization/Contractor(s):

Compunnel Software Group, Inc.

Signature of Authorized Representative:

_____ Digitally signed by Ashish Yadav
Date: 2024.12.13 16:04:19 +05'30'

Date: December 13, 2024

ATTACHMENT VI: DISCLOSURE OF CONFLICT OF INTEREST
CERTIFICATION REGARDING DISCLOSURE OF CONFLICT OF INTEREST

The undersigned certifies that, to the best of his or her knowledge or belief, that:

"No employee of the contractor, no member of the contractor's governing board or body, and no person who exercises any functions or responsibilities in the review or approval of the undertaking or carrying out of this contract shall participate in any decision relating to this contract which affects his/her personal pecuniary interest.

Executives and employees of contractor shall be particularly aware of the varying degrees of influence that can be exerted by personal friends and associates and, in administering the contract, shall exercise due diligence to avoid situations which give rise to an assertion that favorable treatment is being granted to friends and associates. When it is in the public interest for the contractor to conduct business with a friend or associate of an executive or employee of the contractor, an elected official in the area or a member of the North Central Texas Council of Governments, a permanent record of the transaction shall be retained.

Any executive or employee of the contractor, an elected official in the area or a member of the NCTCOG, shall not solicit or accept money or any other consideration from a third person, for the performance of an act reimbursed in whole or part by contractor or Department. Supplies, tools, materials, equipment or services purchased with contract funds shall be used solely for purposes allowed under this contract. No member of the NCTCOG shall cast a vote on the provision of services by that member (or any organization which that member represents) or vote on any matter which would provide a direct or indirect financial benefit to the member or any business or organization which the member directly represents".

No officer, employee or paid consultant of the contractor is a member of the NCTCOG.

No officer, manager or paid consultant of the contractor is married to a member of the NCTCOG.

No member of NCTCOG directly owns, controls or has interest in the contractor.

The contractor has disclosed any interest, fact, or circumstance that does or may present a potential conflict of interest.

No member of the NCTCOG receives compensation from the contractor for lobbying activities as defined in Chapter 305 of the Texas Government Code.

Should the contractor fail to abide by the foregoing covenants and affirmations regarding conflict of interest, the contractor shall not be entitled to the recovery of any costs or expenses incurred in relation to the contract and shall immediately refund to the North Central Texas Council of Governments any fees or expenses that may have been paid under this contract and shall further be liable for any other costs incurred or damages sustained by the NCTCOG as it relates to this contract.

Name of Organization/Contractor(s):

Compunnel Software Group, Inc.

Signature of Authorized Representative:

Digitally signed by Ashish Yadav
Date: 2024.12.13 16:05:23 +05'30'

Date: December 13, 2024

CONFLICT OF INTEREST QUESTIONNAIRE
For vendor doing business with local governmental entity

FORM CIQ

This questionnaire reflects changes made to the law by H.B. 23, 84th Leg., Regular Session.

This questionnaire is being filed in accordance with Chapter 176, Local Government Code, by a vendor who has a business relationship as defined by Section 176.001(1-a) with a local governmental entity and the vendor meets requirements under Section 176.006(a).

By law this questionnaire must be filed with the records administrator of the local governmental entity not later than the 7th business day after the date the vendor becomes aware of facts that require the statement to be filed. See Section 176.006(a-1), Local Government Code.

A vendor commits an offense if the vendor knowingly violates Section 176.006, Local Government Code. An offense under this section is a misdemeanor.

OFFICE USE ONLY

Date Received

1 Name of vendor who has a business relationship with local governmental entity.

Compunnel Software Group, Inc.

2 ☐ Check this box if you are filing an update to a previously filed questionnaire. (The law requires that you file an updated completed questionnaire with the appropriate filing authority not later than the 7th business day after the date on which you became aware that the originally filed questionnaire was incomplete or inaccurate.)

3 Name of local government officer about whom the information is being disclosed.

None

_____
Name of Officer

4 Describe each employment or other business relationship with the local government officer, or a family member of the officer, as described by Section 176.003(a)(2)(A). Also describe any family relationship with the local government officer. Complete subparts A and B for each employment or business relationship described. Attach additional pages to this Form CIQ as necessary.

A. Is the local government officer or a family member of the officer receiving or likely to receive taxable income, other than investment income, from the vendor?

☐ Yes   ☐ No

B. Is the vendor receiving or likely to receive taxable income, other than investment income, from or at the direction of the local government officer or a family member of the officer AND the taxable income is not received from the local governmental entity?

☐ Yes   ☐ No

5 Describe each employment or business relationship that the vendor named in Section 1 maintains with a corporation or other business entity with respect to which the local government officer serves as an officer or director, or holds an ownership interest of one percent or more.

6 ☐ Check this box if the vendor has given the local government officer or a family member of the officer one or more gifts as described in Section 176.003(a)(2)(B), excluding gifts described in Section 176.003(a-1).

7

Digitally signed by Ashish Yadav
Date: 2024.12.13 16:18:57 +05'30'

12/13/24

_____   _____
Signature of vendor doing business with the governmental entity   Date

Form provided by Texas Ethics Commission   www.ethics.state.tx.us   Revised 1/1/2021

CONFLICT OF INTEREST QUESTIONNAIRE
For vendor doing business with local governmental entity

A complete copy of Chapter 176 of the Local Government Code may be found at http://www.statutes.legis.state.tx.us/Docs/LG/htm/LG.176.htm. For easy reference, below are some of the sections cited on this form.

Local Government Code § 176.001(1-a): "Business relationship" means a connection between two or more parties based on commercial activity of one of the parties. The term does not include a connection based on:
(A) a transaction that is subject to rate or fee regulation by a federal, state, or local governmental entity or an agency of a federal, state, or local governmental entity;
(B) a transaction conducted at a price and subject to terms available to the public; or
(C) a purchase or lease of goods or services from a person that is chartered by a state or federal agency and that is subject to regular examination by, and reporting to, that agency.

Local Government Code § 176.003(a)(2)(A) and (B):
(a) A local government officer shall file a conflicts disclosure statement with respect to a vendor if:
***
(2) the vendor:
(A) has an employment or other business relationship with the local government officer or a family member of the officer that results in the officer or family member receiving taxable income, other than investment income, that exceeds $2,500 during the 12-month period preceding the date that the officer becomes aware that
(i) a contract between the local governmental entity and vendor has been executed; or
(ii) the local governmental entity is considering entering into a contract with the vendor;
(B) has given to the local government officer or a family member of the officer one or more gifts that have an aggregate value of more than $100 in the 12-month period preceding the date the officer becomes aware that:
(i) a contract between the local governmental entity and vendor has been executed; or
(ii) the local governmental entity is considering entering into a contract with the vendor.

Local Government Code § 176.006(a) and (a-1)
(a) A vendor shall file a completed conflict of interest questionnaire if the vendor has a business relationship with a local governmental entity and:
(1) has an employment or other business relationship with a local government officer of that local governmental entity, or a family member of the officer, described by Section 176.003(a)(2)(A);
(2) has given a local government officer of that local governmental entity, or a family member of the officer, one or more gifts with the aggregate value specified by Section 176.003(a)(2)(B), excluding any gift described by Section 176.003(a-1); or
(3) has a family relationship with a local government officer of that local governmental entity.
(a-1) The completed conflict of interest questionnaire must be filed with the appropriate records administrator not later than the seventh business day after the later of:
(1) the date that the vendor:
(A) begins discussions or negotiations to enter into a contract with the local governmental entity; or
(B) submits to the local governmental entity an application, response to a request for proposals or bids, correspondence, or another writing related to a potential contract with the local governmental entity; or
(2) the date the vendor becomes aware:
(A) of an employment or other business relationship with a local government officer, or a family member of the officer, described by Subsection (a);
(B) that the vendor has given one or more gifts described by Subsection (a); or
(C) of a family relationship with a local government officer.

Form provided by Texas Ethics Commission   www.ethics.state.tx.us   Revised 1/1/2021

ATTACHMENT VII: CERTIFICATION OF FAIR BUSINESS PRACTICES

That the submitter has not been found guilty of unfair business practices in a judicial or state agency administrative proceeding during the preceding year. The submitter further affirms that no officer of the submitter has served as an officer of any company found guilty of unfair business practices in a judicial or state agency administrative during the preceding year.

Name of Organization/Contractor(s):

Compunnel Software Group, Inc.

Signature of Authorized Representative:

Digitally signed by Ashish Yadav
Date: 2024.12.13 16:19:57 +05'30'

Date: December 13, 2024

**ATTACHMENT VIII: CERTIFICATION OF GOOD STANDING
TEXAS CORPORATE FRANCHISE TAX CERTIFICATION**

Pursuant to Article 2.45, Texas Business Corporation Act, state agencies may not contract with for profit corporations that are delinquent in making state franchise tax payments. The following certification that the corporation entering into this offer is current in its franchise taxes must be signed by the individual authorized on Form 2031, Corporate Board of Directors Resolution, to sign the contract for the corporation.

The undersigned authorized representative of the corporation making the offer herein certified that the following indicated Proposal is true and correct and that the undersigned understands that making a false Proposal is a material breach of contract and is grounds for contract cancellation.

Indicate the certification that applies to your corporation:

[✔] The Corporation is a for-profit corporation and certifies that it is not delinquent in its franchise tax payments to the State of Texas.

[ ] The Corporation is a non-profit corporation or is otherwise not subject to payment of franchise taxes to the State of Texas.

Type of Business (if not corporation): [ ] Sole Proprietor

[ ] Partnership

[ ] Other

Pursuant to Article 2.45, Texas Business Corporation Act, the North Central Texas Council of Governments reserves the right to request information regarding state franchise tax payments.

Ashish Yadav-Program Manager
(Printed/Typed Name and Title of Authorized Representative)

Digitally signed by Ashish Yadav
Date: 2024.12.13 16:19:57 +05'30'
Signature

Date: December 13, 2024

North Central Texas Council of Governments (NCTCOG)
Artificial Intelligence (AI) Consultancy Services
Response To RFP # 2025-023

North Central Texas
Council of Governments

**ATTACHMENT IX: HISTORICALLY UNDERUTILIZED BUSINESSES,
MINORITY OR WOMEN-OWNED OR DISADVANTAGED BUSINESS ENTERPRISES**

Historically Underutilized Businesses (HUBs), minority or women-owned or disadvantaged businesses enterprises (M/W/DBE) are encouraged to participate in the solicitation process.

NCTCOG recognizes the certifications of most agencies. HUB vendors <u>must</u> submit a copy of their certification for consideration during the evaluation of their proposal. Please attach the copy to this form. This applies only to the Offeror and not a subcontractor.

Texas vendors who are not currently certified are encouraged to contact either the Texas United Certification Program, State of Texas HUB Program, or the North Central Texas Regional Certification Agency, among others. Contact:

> State of Texas HUB Program
> Texas Comptroller of Public Accounts
> Lyndon B. Johnson State Office Building
> 111 East 17th Street
> Austin, Texas 78774
> (512) 463-6958
> http://www.window.state.tx.us/procurement/prog/hub/

> North Central Texas Regional Certification Agency
> 624 Six Flags Drive, Suite 100
> Arlington, TX 76011
> (817) 640-0606
> http://www.nctrca.org/certification.html

> Texas United Certification Program
> USDOT website at
> https://www.transportation.gov/DBE

<u>**You must include a copy of your certification document as part of this solicitation to receive points in the evaluation.**</u>

Vendor to Sign Below to Attest to Validity of Certification:

Compunnel Software Group, Inc.
_____
Vendor Name

_____ Digitally signed by Ashish Yadav
Authorized Signature   Date: 2024.12.13 16:22:39 +05'30'

Ashish Yadav   December 13, 2024
_____   _____
Typed Name   Date

☐ **Not applicable.**

North Central Texas Council of Governments (NCTCOG)
Artificial Intelligence (AI) Consultancy Services
Response To RFP # 2025-023

North Central Texas
Council of Governments

ATTACHMENT X: NCTCOG FEDERAL AND STATE OF TEXAS
REQUIRED PROCUREMENT PROVISIONS

The following provisions are mandated by Federal and/or State of Texas law. Failure to certify to the following will result in disqualification of consideration for contract. Entities or agencies that are not able to comply with the following will be ineligible for consideration of contract award.

PROHIBITED TELECOMMUNICATIONS AND VIDEO SURVEILLANCE SERVICES OR EQUIPMENT CERTIFICATION

This Contract is subject to the Public Law 115-232, Section 889, and 2 Code of Federal Regulations (CFR) Part 200, including §200.216 and §200.471, for prohibition on certain telecommunications and video surveillance or equipment.
Public Law 115-232, Section 889, identifies that restricted telecommunications and video surveillance equipment or services (e.g., phones, internet, video surveillance, cloud servers) include the following:

A) Telecommunications equipment that is produced by Huawei Technologies Company or ZTE Corporation (or any subsidiary or affiliates of such entities).
B) Video surveillance and telecommunications equipment produced by Hytera Communications Corporations, Hangzhou Hikvision Digital Technology Company, or Dahua Technology Company (or any subsidiary or affiliates of such entities).
C) Telecommunications or video surveillance services used by such entities or using such equipment.
D) Telecommunications or video surveillance equipment or services produced or provided by an entity that the Secretary of Defense, Director of the National Intelligence, or the Director of the Federal Bureau of Investigation reasonably believes to be an entity owned or controlled by the government of a covered foreign country. The entity identified below, through its authorized representative, hereby certifies that no funds under this Contract will be obligated or expended to procure or obtain telecommunication or video surveillance services or equipment or systems that use covered telecommunications equipment or services as a substantial or essential component of any system, or as a critical technology as part of any system prohibited by 2 CFR §200.216 and §200.471, or applicable provisions in Public Law 115-232 Section 889.

☑ **The Contractor or Subrecipient hereby certifies that it does comply with the requirements of 2 CFR §200.216 and §200.471, or applicable regulations in Public Law 115-232 Section 889.**

SIGNATURE OF AUTHORIZED PERSON: _____

Digitally signed by Ashish Yadav
Date: 2024.12.13 16:25:35 +05'30'

NAME OF AUTHORIZED PERSON: Ashish Yadav

NAME OF COMPANY: Compunnel Software Group, Inc.

DATE: December 13, 2024

-OR-

☐ **The Contractor or Subrecipient hereby certifies that it cannot comply with the requirements of 2 CFR §200.216 and §200.471, or applicable regulations in Public Law 115-232 Section 889.**

SIGNATURE OF AUTHORIZED PERSON: _____

NAME OF AUTHORIZED PERSON: _____

NAME OF COMPANY: _____

DATE: _____

North Central Texas Council of Governments (NCTCOG)
Artificial Intelligence (AI) Consultancy Services
Response To RFP # 2025-023

**North Central Texas
Council of Governments**

DISCRIMINATION AGAINST FIREARMS ENTITIES OR FIREARMS TRADE ASSOCIATIONS

This contract is subject to the Texas Local Government Code chapter 2274, Subtitle F, Title 10, prohibiting contracts with companies who discriminate against firearm and ammunition industries.

TLGC chapter 2274, Subtitle F, Title 10, identifies that "discrimination against a firearm entity or firearm trade association" includes the following:

A) means, with respect to the entity or association, to:
  I. refuse to engage in the trade of any goods or services with the entity or association based solely on its status as a firearm entity or firearm trade association; and
  II. refrain from continuing an existing business relationship with the entity or association based solely on its status as a firearm entity or firearm trade association; or
  III. terminate an existing business relationship with the entity or association based solely on its status as a firearm entity or firearm trade association.

B) An exception to this provision excludes the following:
  I. contracts with a sole-source provider; or
  II. the government entity does not receive bids from companies who can provide written verification.

The entity identified below, through its authorized representative, hereby certifies that they have no practice, policy, guidance, or directive that discriminates against a firearm entity or firearm trade association; and that they will not discriminate during the term of the contract against a firearm entity or firearm trade association as prohibited by Chapter 2274, Subtitle F, Title 10 of the Texas Local Government Code.

☑ **The Contractor or Subrecipient hereby certifies that it does comply with the requirements of Chapter 2274, Subtitle F, Title 10.**

SIGNATURE OF AUTHORIZED PERSON:	Digitally signed by Ashish Yadav Date: 2024.12.13 16:28:07 +05'30'
NAME OF AUTHORIZED PERSON:	Ashish Yadav
NAME OF COMPANY:	Compunnel Software Group, Inc.
DATE:	12/13/24

–OR–

☐ **The Contractor or Subrecipient hereby certifies that it cannot comply with the requirements of Chapter 2274, Subtitle F, Title 10.**

SIGNATURE OF AUTHORIZED PERSON:	
NAME OF AUTHORIZED PERSON:	
NAME OF COMPANY:	
DATE:	

BOYCOTTING OF CERTAIN ENERGY COMPANIES

This contract is subject to the Texas Local Government Code chapter 809, Subtitle A, Title 8, prohibiting contracts with companies who boycott certain energy companies.

TLGC chapter Code chapter 809, Subtitle A, Title 8, identifies that "boycott energy company" means, without an ordinary business purpose, refusing to deal with, terminating business activities with, or otherwise taking any action that is intended to penalize, inflict economic harm on, or limit commercial relations with a company because the company:

    I.   engages in the exploration, production, utilization, transportation, sale, or manufacturing of fossil fuel-based energy and does not commit or pledge to meet environmental standards beyond applicable federal and state law; and

    II.   does business with a company described by paragraph (I).

The entity identified below, through its authorized representative, hereby certifies that they do not boycott energy companies, and that they will not boycott energy companies during the term of the contract as prohibited by Chapter 809, Subtitle A, Title 8 of the Texas Local Government Code.

■ The Contractor or Subrecipient hereby certifies that it does comply with the requirements of Chapter 809, Subtitle A, Title 8.

SIGNATURE OF AUTHORIZED PERSON:

> Digitally signed by Ashish Yadav
> Date: 2024.12.13 16:30:12 +05'30'

NAME OF AUTHORIZED PERSON: Ashish Yadav

NAME OF COMPANY: Compunnel Software Group, Inc.

DATE: 12/13/24

-OR-

☐ The Contractor or Subrecipient hereby certifies that it cannot comply with the requirements of Chapter 809, Subtitle A, Title 8.

SIGNATURE OF AUTHORIZED PERSON: _____

NAME OF AUTHORIZED PERSON: _____

NAME OF COMPANY: _____

DATE: _____

EXHIBIT 1: SERVICE DESIGNATION AREAS

	Texas Service Area Designation or Identification		
Proposing Firm Name:	**Compunnel Software Group, Inc.**		
Notes:	Indicate in the appropriate box whether you are proposing to service the entire state of Texas		
	Will service the entire state of Texas	Will not service the entire state of Texas	
	✔	☐	
	If you are not proposing to service the entire state of Texas, designate on the form below the regions that you are proposing to provide goods and/or services to. By designating a region or regions, you are certifying that you are willing and able to provide the proposed goods and services.		
Item	**Region**	**Metropolitan Statistical Areas**	**Designated Service Area**
1.	North Central Texas	16 counties in the Dallas-Fort Worth Metropolitan area	
2.	High Plains	Amarillo Lubbock	
3.	Northwest	Abilene Wichita Falls	
4.	Upper East	Longview Texarkana, TX-AR Metro Area Tyler	
5.	Southeast	Beaumont-Port Arthur	
6.	Gulf Coast	Houston-The Woodlands-Sugar Land	
7.	Central Texas	College Station-Bryan Killeen-Temple Waco	
8.	Capital Texas	Austin-Round Rock	
9.	Alamo	San Antonio-New Braunfels Victoria	
10.	South Texas	Brownsville-Harlingen Corpus Christi Laredo McAllen-Edinburg-Mission	
11.	West Texas	Midland Odessa San Angelo	
12.	Upper Rio Grande	El Paso	

(Exhibit 1 continued on next page)

North Central Texas Council of Governments (NCTCOG)
Artificial Intelligence (AI) Consultancy Services
Response To RFP # 2025-023

North Central Texas
Council of Governments

(Exhibit 1 continued)

	Nationwide Service Area Designation or Identification Form		
Proposing Firm Name:	Compunnel Software Group, Inc.		
Notes:	Indicate in the appropriate box whether you are proposing to provide service to all Fifty (50) States.		
	Will service all fifty (50) states	Will not service fifty (50) states	
	✓	☐	
	If you are not proposing to service to all fifty (50) states, then designate on the form below the states that you will provide service to. By designating a state or states, you are certifying that you are willing and able to provide the proposed goods and services in those states. If you are only proposing to service a specific region, metropolitan statistical area (MSA), or City in a State, then indicate as such in the appropriate column box.		

Item	State	Region/MSA/City (write "ALL" if proposing to service entire state)	Designated as a Service Area
1.	Alabama	ALL	
2.	Alaska	ALL	
3.	Arizona	ALL	
4.	Arkansas	ALL	
5.	California	ALL	
6.	Colorado	ALL	
7.	Connecticut	ALL	
8.	Delaware	ALL	
9.	Florida	ALL	
10.	Georgia	ALL	
11.	Hawaii	ALL	
12.	Idaho	ALL	
13.	Illinois	ALL	
14.	Indiana	ALL	
15.	Iowa	ALL	
16.	Kansas	ALL	
17.	Kentucky	ALL	
18.	Louisiana	ALL	
19.	Maine	ALL	
20.	Maryland	ALL	

21.	Massachusetts	ALL	
22.	Michigan	ALL	
23.	Minnesota	ALL	
24.	Mississippi	ALL	
25.	Missouri	ALL	
26.	Montana	ALL	
27.	Nebraska	ALL	
28.	Nevada	ALL	
29.	New Hampshire	ALL	
30.	New Jersey	ALL	
31.	New Mexico	ALL	
32.	New York	ALL	
33.	North Carolina	ALL	
34.	North Dakota	ALL	
35.	Ohio	ALL	
36.	Oregon	ALL	
37.	Oklahoma	ALL	
38.	Pennsylvania	ALL	
39.	Rhode Island	ALL	
40.	South Carolina	ALL	
41.	South Dakota	ALL	
42.	Tennessee	ALL	
43.	Texas	ALL	
44.	Utah	ALL	
45.	Vermont	ALL	
46.	Virginia	ALL	
47.	Washington	ALL	
48.	West Virginia	ALL	
49.	Wisconsin	ALL	
50.	Wyoming	ALL	

End of Exhibit 1