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ATTENTION

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Small Business Innovation Research(SBIR) Program - Proposal Cover Sheet

Disclaimer

Knowingly and willfully making any false, fictitious, or fraudulent statements or representations may be a felony under the Federal Criminal False Statement Act (18 USC Sec 1001), punishable by a fine of up to $10,000, up to five years in prison, or both.

SBIR Phase I Proposal

Proposal Number:	**F244-0004-0308**
Proposal Title:	**Equitus KGNN Knowledge System Architecture**

Agency Information

Agency Name:	**USAF**
Command:	**AFDW**
Topic Number:	**AF244-0004**

Firm Information

Firm Name:	**Equitus Corporation**
Address:	**2170 Rainbow Dr., Clearwater, FL 33765-3935**
Website:	**www.equitus.us**
UEI:	**RV37VJ99WRM5**
DUNS:	**825352490**
CAGE:	**52F69**
SBA SBC Identification Number:	**001662721**

Firm Certificate

OFFEROR CERTIFIES THAT:

1. It has no more than 500 employees, including the employees of its affiliates.	**YES**
2. Number of employees including all affiliates (average for preceding 12 months)	**35**
3. The business concern meets the ownership and control requirements set forth in 13 C.F.R. Section 121.702.	**YES**
4. Verify that your firm has registered in the SBAS Company Registry at www.sbir.gov by providing the SBC Control ID# and uploading the registration confirmation PDF:	**SBC_001662721**

Supporting Documentation:

- SBC_001662721.pdf

5. It has more than 50% owned by a <u>single</u> Venture Capital Owned Company (VCOC), hedge fund, or private equity firm	**NO**
6. It has more than 50% owned by <u>multiple</u> business concerns that are VOCs, hedge funds, or private equity firms?	**NO**
7. The birth certificates, naturalization papers, or passports show that any individuals it relies upon to meet the eligibility requirements are U.S. citizens or permanent resident aliens in the United States.	**YES**
8. Is 50% or more of your firm owned or managed by a corporate entity?	**NO**
9. Is your firm affiliated as set forth in 13 CFR Section 121.103?	**NO**
10. It has met the performance benchmarks as listed by the SBA on their website as eligible to participate	**YES**
11. Firms PI, CO, or owner, a faculty member or student of an institution of higher education	**NO**

12. The offeror qualifies as a:

    [ ] Socially and economically disadvantaged SBC

    [ ] Women-owned SBC

    [ ] HUBZone-owned SBC

    [**X**] Veteran-owned SBC

    [ ] Service Disabled Veteran-owned SBC

    [ ] None Listed

13. Race of the offeror:

    [ ] American Indian or Alaska Native

    [ ] Native Hawaiian or Other Pacific Islander

    [ ] Asian

    [**X**] White

    [ ] Black or African American

    [ ] Do not wish to Provide

14. Ethnicity of the offeror:	**NON-HISPANIC**
15. It is a corporation that has some unpaid Federal tax liability that has been assessed, for which all judicial and administrative remedies have not been exhausted or have not lapsed, and that is not being paid in a timely manner pursuant to an agreement with the authority responsible for collecting the tax liability:	**FALSE**
16. Firm been convicted of a fraud-related crime involving SBIR and/or STTR funds or found civilly liable for a fraud-related violation involving federal funds:	**NO**
17. Firms Principal Investigator (PI) or Corporate Official (CO), or owner been convicted of a fraud-related crime involving SBIR and/or STTR funds or found civilly liable for a fraud-related violation involving federal funds:	**NO**

Signature:

Printed Name	Signature	Title	Business Name	Date
Joseph Daum	Joseph R Daum	Director/Government Acquisitio	Equitus Corporation	08/17/2020

Audit Information

Summary:

Has your Firm ever had a DCAA review?**NO**

VOL I - Proposal Summary

Summary:

Proposed Base Duration (in months): **6**

Technical Abstract:

The proliferation of diverse data sources across disparate systems hinders real-time information access, impeding critical decision-making capabilities within the U.S. Air Force. Achieving real-time data integration and analysis across all platforms offers a decisive information advantage in the modern operational environment. To address this challenge, Equitus proposes the augmentation and implementation of KGNN, a Knowledge Graph Neural Network, which fuses the power of knowledge graphs with machine learning. This AI-driven data fabric intelligently interconnects and contextualizes data from all sources, both structured and unstructured, into a centralized knowledge graph, enabling real-time insights and achieving data dominance. KGNN automates Extract, Transform, Load (ETL) processes, ensuring efficient knowledge extraction and significantly improving data management workflows. By preserving data ownership and ensuring compatibility with legacy systems, KGNN facilitates seamless integration within existing Air Force infrastructure. Furthermore, KGNN enhances cross-domain coordination by interlinking relevant information across various operational domains, including combat and support spheres. The platform prioritizes data security and integrity, guaranteeing the proper handling of sensitive data through robust access controls and enabling both integration and segregation as required. Designed for users ranging from entry-level analysts to experienced data scientists, KGNN provides an accessible and powerful solution for achieving real-time situational awareness and informed decision-making within the U.S. Air Force.

Anticipated Benefits/Potential Commercial Applications of the Research or Development:

This Phase I SBIR effort will demonstrate the feasibility of KGNN, a Knowledge Graph Neural Network technology, to address the U.S. Air Force's need for real-time data integration and analysis. The research will culminate in a comprehensive feasibility study showcasing KGNN's ability to ingest, correlate, and unify disparate datasets in real time, providing high-performance data movement and transformation across enterprise platforms. Successful completion of this Phase I project will deliver: (1) a validated quantitative model demonstrating KGNN's capability to generate real-time insights from large datasets while preserving data ownership and security, and (2) a clear transition path towards a Phase II prototype development effort. The

anticipated benefits for the Air Force include enhanced situational awareness, improved decision-making through real-time insights, and streamlined data management processes. Beyond military applications, KGNN offers significant commercial potential for various sectors facing data integration challenges, including financial services, healthcare, supply chain management, and cybersecurity. This dual-use potential ensures a broader impact and return on investment for this research.

Attention:

Disclaimer: For any purpose other than to evaluate the proposal, this data except proposal cover sheets shall not be disclosed outside the Government and shall not be duplicated, used or disclosed in whole or in part, provided that if a contract is awarded to this proposer as a result of or in connection with the submission of this data, the Government shall have the right to duplicate, use or disclose the data to the extent provided in the funding agreement. This restriction does not limit the Government's right to use information contained in the data if it is obtained from another source without restriction. This restriction does not apply to routine handling of proposals for administrative purposes by Government support contractors. The data subject to this restriction is contained on the pages of the proposal listed on the line below.

Addition:

Enter the page numbers separated by a space of the pages in the proposal that are considered proprietary:

1 2 3 4 5

List a maximum of 8 Key Words or phrases, separated by commas, that describe the Project:

Artificial Intelligence, Machine Learning, Data Fusion, Big Data Analysis, Data Visualization, Data Graph Fabric, Real-Time Data Aggregation, Data Unification

VOL I - Proposal Certification

Summary:

1. At a minimum, two thirds of the work in Phase I will be carried out by your small business as defined by 13 C.F.R Section 701-705. The numbers for this certification are derived from the budget template. To update these numbers, review and revise your budget data. If the minimum percentage of work numbers are not met, then a letter of explanation or written approval from the funding officer is required. Please note that some components will not accept any deviation from the Percentage of Work (POW) minimum requirements. Please check your component instructions regarding the POW requirements.	**YES**
Firm POW	**100%**
Subcontractor POW	**0%**
2. Is primary employment of the principal investigator with your firm as defined by 13 C.F.R Section 701-705?	**YES**
3. During the performance of the contract, the research/research and development will be performed in the United States.	**YES**
4. During the performance of the contract, the research/research and development will be performed at the	**YES**

offerors facilities by the offerors employees except as otherwise indicated in the technical proposal.

5. Do you plan to use Federal facilities, laboratories, or equipment?	**NO**
6. The offeror understands and shall comply with [export control regulations]().	**YES**
7. There will be ITAR/EAR data in this work and/or deliverables.	**NO**
8. Has a proposal for essentially equivalent work been submitted to other US government agencies or DoD components?	**NO**
9. Has a contract been awarded for any of the proposals listed above?	**NO**
10. Firm will notify the Federal agency immediately if all or a portion of the work authorized and funded under this proposal is subsequently funded by another Federal agency.	**YES**
11. Are you submitting assertions in accordance with [DFARS 252.227-7017]() Identification and assertions use, release, or disclosure restriction?	**YES**
12. Are you proposing research that utilizes human/animal subjects or a recombinant DNA as described in [DoDI 3216.01](), [32 C.F.R. Section 219](), and [National Institutes of Health Guidelines for Research Involving Recombinant DNA]() of the solicitation:	**NO**
13. In accordance with [Federal Acquisition Regulation 4.2105](), at the time of proposal submission, the required certification template, "Contractor Certification Regarding Provision of Prohibited Video Surveillance and Telecommunications Services and Equipment" will be completed, signed by an authorized company official, and included in Volume V: Supporting Documents of this proposal. NOTE: Failure to complete and submit the required certifications as a part of the proposal submission process may be cause for rejection of the proposal submission without evaluation.	**YES**
14. Are teaming partners or subcontractors proposed?	**NO**
15. Are you proposing to use foreign nationals as defined in [22 CFR 120.16]() for work under the proposed effort?	**NO**
16. What percentage of the principal investigators total time will be on the project?	**29%**
17. Is the principal investigator socially/economically disadvantaged?	**NO**
18. Does your firm allow for the release of its contact information to Economic Development Organizations?	**YES**

VOL I - Contact Information

Principal Investigator

Name:	**DANIEL HILDRETH**
Phone:	**(941) 302-4726**
Email:	**hildrethd@equitus.us**
Address:	**2170 Rainbow Dr., Clearwater, FL 33765 - 3935**

Corporate Official

Name:	**Chasiti Avina**

Phone:	**(949) 326-4778**
Email:	**avinac@equitus.us**
Address:	**2170 Rainbow Dr., Clearwater, FL 33765 - 3935**

Authorized Contract Negotiator

Name:	**Chasiti Avina**
Phone:	**(949) 326-4778**
Email:	**avinac@equitus.us**
Address:	**2170 Rainbow Dr., Clearwater, FL 33765 - 3935**

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Real-Time Insights Through Equitus.ai

Volume 2: Technical Volume

1. **<u>Identification and Significance of the Problem or Opportunity</u>**

The modern operational environment presents a significant challenge: the ever-increasing volume, velocity, and variety of data generated across disparate systems, applications, and repositories. This data deluge hinders real-time information accessibility, impeding timely and informed decision-making. Current approaches often involve complex, time-consuming data integration processes, resulting in information silos and a fragmented understanding of the operational landscape. Without a unified, real-time view of this data, critical insights remain hidden, and the potential for data-driven advantages is unrealized.

Equitus addresses this challenge with KGNN, our Knowledge Graph Neural Network, a single, AI-driven platform designed to achieve data dominance. KGNN interconnects data with next-generation AI, transforming disparate datasets into a centralized knowledge graph. This approach increases information versatility while maintaining compatibility with legacy systems and preserving data ownership. By eliminating data silos and fusing structured and unstructured data, KGNN provides a comprehensive operational outlook, enabling the U.S. Air Force to continuously build its intelligence knowledge base and gain real-time insights.

Operational Impact and Potential Scale of Impact:

KGNN empowers the U.S. Air Force to transform and normalize disparate data into a single, highly efficient, and easily scalable knowledge graph. Upon ingestion, Machine Learning models and Natural Language Processing seamlessly interconnect data points, providing users with real-time insights across all datasets. This ready-to-run analytics and data abstraction layer enables rapid deployment of even the most complex intelligence systems, accelerating fielding timelines from years to weeks or even days.

KGNN's open standards and architecture facilitate leveraging legacy applications and connecting them to the Equitus ecosystem. This creates a real-time common intelligence picture, enhancing situational awareness and enabling faster responses to emerging threats. The open architecture also ensures scalability, allowing the Air Force to rapidly integrate new technologies as they become available. Data privacy and security are paramount. KGNN operates on Public Key Infrastructure and employs internal encryption of all user traffic, utilizing cell-level security measures to ensure strict access control and data privacy upon ingestion and extraction.

Scientific Feasibility:

KGNN leverages an Open Data Fabric (ODF) to enhance information versatility by automatically generating correlations between datasets and presenting explicit relationships upon data ingestion. This contrasts sharply with traditional methods, where mapping intelligence data between systems often leads to reduced accuracy due to inflexible schema mapping and format constraints.

Designed to improve the discovery and utilization of intelligence information, KGNN fosters interoperability between intelligence systems. Its intuitive, modern user interface minimizes training time, maximizing productivity gains. The flexible data model and visualization environment, coupled with a comprehensive suite of visual analysis tools, accelerates the discovery of critical individuals, connections, relationships, events, patterns, and trends that might otherwise be overlooked.

Enabling Technologies:

Built on open-standard graph database technology, KGNN seamlessly integrates with legacy systems and readily adapts to future tools. The platform processes vast amounts of raw text, transforming it into actionable knowledge within a centralized knowledge graph. Real-time insights, delivered through connections and entity correlations, provide operators with relevant knowledge, interlinking data from various operational spheres and fostering enhanced coordination. Multiple data processing pipelines within KGNN enable seamless data

ingestion, transformation, querying, storing, and analysis, regardless of source or format.

Alternative Technical Approaches:

Traditional relational databases rely on indexes for data storage and retrieval. These legacy systems often perform slow, linear searches, which become increasingly inefficient as databases scale. KGNN utilizes Triple Store technology, offering superior scalability, query performance, and flexibility. By grouping related data, Triple Stores enable near real-time responses to complex queries, dramatically outperforming traditional methods.

Technical Risk Mitigation:

Potential delays arising from migrating legacy data are mitigated by KGNN's open architecture. Inoperability risks associated with legacy system integration are minimized, except in rare cases involving proprietary closed architecture systems.

Air Force Transition Pathway:

The Phase I SBIR will demonstrate KGNN's feasibility for enhancing real-time situational awareness through information operations and a common intelligence picture. Upon Phase I completion, a configured open-standard, open-architecture analytical environment incorporating Equitus COTS software will be deployed for initial evaluation and user training. Feedback collected will inform enhancements for Phase II, where a modified, scalable version of KGNN will be developed to meet Air Force enterprise requirements.

2. **Phase I Technical Objectives.**

The primary objective of this Phase 1 Small Business Innovation Research program is to conduct applied research using Equitus' Commercial Off-the-Shelf (COTS) software, specifically leveraging the KGNN platform. This research will focus on demonstrating KGNN's ability to ingest, correlate, and unify disparate datasets, enabling high-performance data movement and transformation across enterprise platforms in real time. A key component of this Phase 1 effort is a feasibility study, utilizing data processed by the KGNN COTS solution, to construct a quantitative model for generating real-time insights. This model will demonstrate the platform's capacity to ingest large volumes of data, transform that information into actionable insights, and maintain data ownership and security throughout the process. The feasibility study will provide quantifiable metrics to validate KGNN's performance and potential for real-world deployment.

3. **Phase I Statement of Work (include Subcontractors and/or Research Institutions).**

3.1 SCOPE

This Phase I SBIR effort will demonstrate the feasibility of Equitus' KGNN (Knowledge Graph Neural Network) platform to enhance real-time situational awareness and create a common intelligence picture for the U.S. Air Force, specifically addressing the needs outlined in DoD SBIR 2024.4, topic AF244-0001. Equitus will conduct a comprehensive assessment of the current Air Force analytical environment, identifying key integration points and potential areas for improvement. Leveraging the KGNN platform's capabilities, Equitus will develop and demonstrate use cases relevant to Air Force information operations, showcasing the platform's ability to ingest, correlate, and analyze disparate datasets in real-time. This feasibility study will culminate in a final report detailing the technical viability, potential commercial applications, and recommendations for a Phase II prototype development effort.

3.2 Specific Tasks – The contractor shall perform the following tasks to achieve the statement of work objectives.

3.2.1 Kickoff Meeting – Equitus will conduct a kickoff meeting with the Government technical point of contact (TPOC) to review the project scope, deliverables, and timelines.

3.2.2 Analytical Environment Assessment – The Contractor shall conduct an assessment of the analytic environment to determine the software integration requirements and identify alternative use cases and sample data sources.

- Analyze the current Air Force analytical environment and identify specific requirements for real-time situational awareness and common intelligence picture development.

- Collaborate with the Government TPOC to define and prioritize two (2) relevant use cases that demonstrate KGNN's capabilities in information operations.

- Document the selected use cases, including data requirements, expected outcomes, and success metrics.

3.2.3 Use Case Selection & Demonstration Data Identification - The Contractor will present alternative use cases and acquire representative datasets for the selected use cases that will demonstrate the feasibility of the Equitus Graph Data Fabric to increase real-time situational awareness through information operations and create a common intelligence picture to the Government. The Contractor shall coordinate with the Government to select one or more use cases for demonstration. The Contractor and Government shall collaborate to identify internal, external, and open data sources available for use case development and demonstration.

3.2.4 Use Case Demonstration Development

- Configure the KGNN COTS system to address the specific requirements of the selected use cases.

- Develop any necessary data connectors or adapters to ensure seamless integration with existing Army systems (if applicable and with government-furnished specifications).

- Conduct rigorous testing to validate data ingestion, processing, and analysis capabilities.

3.2.5 Data Set Integration – The Contractor shall confirm interoperability testing with customer identified data sources and ingest sample data sources as proof of technical feasibility.

3.2.6 Use Case Demonstration -The Contractor shall conduct a live demo of the capabilities using the selected use case(s) and data set(s). The Demo will be conducted at a CONUS location designated by the Government or virtually.

3.2.7 Government Feedback – The Contractor shall document feedback received from the Government evaluators attending the demonstration. The feedback should focus on potential dashboard improvement, suggested configuration modifications, and recommendations on software modifications to be proposed in Phase II.

3.2.8 Final Report Proposal - The Contractor shall provide a final report documenting the feasibility. The report shall provide documentation to substantiate that the scientific and technical merit and feasibility described in the Phase I section of the topic component-specific instructions has been met and describes the potential commercial applications. The final report will also document government feedback and Phase II proposal recommendations obtained under Task 3.2.6. The Final Report will also contain details of planned enhancements based on feedback received from commercial customers.

3.2.9 Period of Performance/SBIR Milestone Schedule

Equitus proposes a 6-month effort to accomplish the effort detailed in the preceding Statement of Work. The schedule below depicts the proposed schedule based on the anticipated award date.

4. Related Work.

Comprehensive Analytics for Operators with Limited or No Coding Experience

a. Short description: Direct to Phase II Small Business Innovation Research program is to modify the Equitus Commercial Off the Shelf (COTS) software to enable end users with limited or no coding experience with the ability to take one or more datasets, transform, combine, plot, and generally manipulate them to answer a question or achieve inference of said data. The Phase II effort will demonstrate the ability of Equitus software to be easily deployable against multiple disparate data sets. The contractor shall provide current "do it yourself" training materials and develop additional training material that

mirror YouTube like instructional videos as necessary. The training shall not limit utilization of the system in its entirety.

b. Client for which work was performed: U.S. Special Operations Command- Chad Raaymakers – (813)826-6095.

c. Date of completion: October 31st, 2023

Marine Corps Forces Cyber Command:

a. Short description: Equitus was deployed at Marine Corps Forces Cyber Command to provide a real time, open-source-derived data analytic capability with integrated artificial intelligence (AI), machine learning (M/L), and auto-scraping functionalities. Equitus provides access to diverse, expansive, and data-rich repositories (structured/unstructured) within a single intelligent, cost-effective architecture. The tools are being used to implement an Informational Environment (IE) Common Operating Picture (COP) with a social listening tool for in-depth social media analysis. This includes global data fetching capabilities from across the social media spectrum, multilanguage support, sentiment analysis in native language, geospatial data rendering, and more through easy-to-use, intuitive, and customizable user interfaces.

b. Client for which work was performed: U.S. Marine Corps Forces Cyberspace Command Jaeron Jenkins MARCYBER – (667)812-6364.

c. Date of completion: September 28th, 2022

Veterans Administration:

a. Short description: Equitus Commercial Off-the-Shelf (COTS) tools are currently in use providing Measures of Effectiveness (MOE) and Measures of Performance (MOP) for the Veterans Administration (VA). Analysis is focused on marketing campaigns designed by the Veterans Administration to increase awareness of VA programs. The custom-configured solution collects data from public sources to meet VA MOE/MOP assessment needs. The VA solution includes Equitus Visual Ops (EVO), a suite of advanced visualization tools, configured to enhance identification of regional sentiment toward VA outreach programs.

b. Client for which work was performed: Veterans Administration Lyndon Johnson VA - (202) 461-6448

c. Date of completion: June 18th, 2024

5. **Relationship with Future Research or Research and Development.**

(a) Anticipated Results- Equitus Independent Research and Development (IR&D) efforts have resulted in a thoroughly calculated feasibility study to deliver a product with the capability to ingest vast amounts of data, deliver real time insights, and demonstrate the interconnected components of relevant data.

(b) The feasibility study documents Equitus' effort to demonstrate the scientific and technical merit of the technology. The foundation created by the study would enable the development, installation, and demonstration of a prototype system that would deliver real time insights upon ingestion, giving the operator an absolute advantage when handling immense amounts of data sets.

(c) Applicable clearances, certifications, and approvals – Equitus holds a Top-Secret Facility Clearance. Additionally, Equitus is in the process of obtaining certifications required to operate on multiple Defense (SIE) Networks.

6. **Key Personnel**

Principal Investigator: Daniel Hildreth – Lead Data Scientist

Mr. Hildreth is an experienced engineer with specific physics, mathematics, programming, manufacturing, and fabrication expertise. Hildreth is a skilled data analyst, excels in process design, and a specialist in semiconductor physics. He is the Lead Data Scientist and Head of Research & Development at Equitus and will serve as the project's algorithm development lead and systems integrator.

EDUCATION

- Bachelor of Science, Physics Mathematics Minor (Aug 2014 - May 2019) Burnett Honors College, University of Central Florida

EMPLOYMENT

Equitus Corporation – Lead Data Scientist / Head of Research and Development (Dec 2021 – Present)
- Architected a scalable analytics platform for operation on arbitrary data.
- Designed and implemented specific analytics for deployment within aforementioned platform.
- Supported a team of developers in implementing R&D projects.

Equitus Corporation – Senior Software Engineer (Aug 2021 – Dec 2021)

- Designed, implemented, and supported web applications, with focus on front-end development.

- Worked with CTO, other developers, and members of other teams to determine customer needs.
- Attended external meetings as a technical advisor.
- Taught junior developers about company systems and helped them get up to speed.

Equitus Corporation – Software Engineer (Aug 2020 – Aug 2021)

- Served as the principal front-end developer on an enterprise intelligence web application.
- Carefully implemented software to management specifications.
- Collaborated with developers to divide labor efficiently and deliver results ahead of schedule.

Deep Space Industries – Simulants Technician (Aug 2016 – Jul 2018)

n/k/a Bradford Industries; acquired January 2019

- Devised the principal technique by which powdered asteroid simulant mixes were "cured" into
- their final regolith state, including design, development, and implementation of manufacturing.processes. Produced some ~5 metric tons of asteroid simulant that is now in NASA's possession.
- Operated high-pressure, high temperature, and heavy industrial equipment. Worked with hazardous materials, metal inert gas welders, and fabrication equipment.

7. **Foreign Citizens.**

Equitus National Security Group does not have any foreign citizens working on this SBIR effort.

8. **Facilities/Equipment.**

Equitus does not require instrumentation or additional physical facilities for this project. Work for the contract will be performed at Equitus Headquarters in Clearwater, Florida, and government-approved facilities. All contractor facilities operate and meet Federal, State, and local environmental laws and regulations.

9. **Subcontractors/Consultants.**

Equitus is not proposing any Subcontractors or Consultants.

10. **Prior, Current or Pending Support of Similar Proposals or Awards.**

No prior, current, or pending support for proposed work

11. **Identification and Assertion of Restrictions on the Government's Use, Release, or Disclosure of Technical Data or Computer Software**

The Offeror asserts for itself, or the persons identified below, that the Government's rights to use, release, or disclose the following technical data or computer software should be restricted:

Technical Data or Computer Software to be Furnished with Restrictions	Basis for Assertion	Asserted Rights Category	Name of Person or Organization Asserting Restrictions
Equitus Platform	Developed exclusively at private expense.	Restricted Rights (Software)	Equitus.ai

SBIR Phase I Proposal

Proposal Number	F244-0004-0308
Topic Number	AF244-0004
Proposal Title	Equitus KGNN Knowledge System Architecture
Date Submitted	11/05/2024 04:56:00 PM

Firm Information

Firm Name	Equitus Corporation
Mail Address	2170 Rainbow Dr., Clearwater, Florida, 33765
Website Address	www.equitus.us
UEI	RV37VJ99WRM5
Duns	825352490
Cage	52F69

Total Dollar Amount for this Proposal	$140,000.00

Base Year	$81,600.00
Year 2	$58,400.00
Technical and Business Assistance(TABA)- Base	$0.00
TABA- Year 2	$0.00

Base Year Summary

Total Direct Labor (TDL)	$64,200.00
Total Direct Material Costs (TDM)	$17,400.00
Total Direct Supplies Costs (TDS)	$0.00
Total Direct Equipment Costs (TDE)	$0.00
Total Direct Travel Costs (TDT)	$0.00
Total Other Direct Costs (TODC)	$0.00
G&A (rate 0%) x Base ()	$0.00
Total Firm Costs	$81,600.00
Subcontractor Costs	
Total Subcontractor Costs (TSC)	$0.00
Cost Sharing	-$0.00
Profit Rate (0%)	$0.00
Total Estimated Cost	$81,600.00
TABA	$0.00

Year 2 Summary

Total Direct Labor (TDL)	$41,000.00
Total Direct Material Costs (TDM)	$17,400.00

Total Direct Supplies Costs (TDS)	$0.00
Total Direct Equipment Costs (TDE)	$0.00
Total Direct Travel Costs (TDT)	$0.00
Total Other Direct Costs (TODC)	$0.00
G&A (rate 0%) x Base ()	$0.00
Total Firm Costs	$58,400.00
Subcontractor Costs	
Total Subcontractor Costs (TSC)	$0.00
Cost Sharing	-$0.00
Profit Rate (0%)	$0.00
Total Estimated Cost	$58,400.00
TABA	$0.00

Base Year

Direct Labor Costs

Category / Individual-TR	Rate/Hour	Estimated Hours	Fringe Rate (%)	Fringe Cost	Cost
Software Developer/ Principal Investigator (DANIEL HILDRETH)	$120.00	300			$36,000.00
Software Developer/ Intermediate Level Developer (Michael Davidson)	$120.00	235			$28,200.00
Subtotal Direct Labor (DL)					$64,200.00
Labor Overhead (rate 0%) x (DL)					$0.00
Total Direct Labor (TDL)					$64,200.00

Direct Material Costs

Equitus 6.0 KGNN (2 users for 6 months)	$17,400.00
Total Direct Material Costs (TDM)	$17,400.00

G&A (rate 0%) x Base ()	$0.00
Cost Sharing	-$0.00
Profit Rate (0%)	$0.00
Total Estimated Cost	$81,600.00
TABA	$0.00

Year 2

Direct Labor Costs

Category / Individual-TR	Rate/Hour	Estimated Hours	Fringe Rate (%)	Fringe Cost	Cost
Software Developer/	$120.00	300			$36,000.00

Principal Investigator (DANIEL HILDRETH)					
Software Developer/ Software Developer (Ross Guju)	$100.00	50			$5,000.00
Subtotal Direct Labor (DL)					$41,000.00
Labor Overhead (rate 0%) x (DL)					$0.00
Total Direct Labor (TDL)					**$41,000.00**

Direct Material Costs

Equitus 6.0 KGNN (2 users for 6 months)	$17,400.00
Total Direct Material Costs (TDM)	**$17,400.00**

G&A (rate 0%) x Base ()	$0.00
Cost Sharing	-$0.00
Profit Rate (0%)	$0.00
Total Estimated Cost	$58,400.00
TABA	$0.00

Explanatory Material Relating to the Cost Volume
The Official From the Firm that is responsible for the cost breakdown
Name: Katie Ressa
Phone: (727) 644-6839
Phone: ressak@equitus.us
Title: Proposal Owner

If the Defence Contracting Audit Agency has performed a review of your projects within the past 12 months, please provide: No
Select the Type of Payment Desired: Partial payments

Cost Volume Details

Direct Labor
Base

Category	Description	Education	Yrs Experience	Hours	Rate	Fringe Rate	Total
Software Developer	Principal Investigator	Bachelor's Degree	5	300	$120.00		$36,000.00
Software Developer	Intermediate Level Developer	Bachelor's Degree	5	235	$120.00		$28,200.00

Are the labor rates detailed below fully loaded? **NO**

Provide any additional information and cost support data related to the nature of the direct labor detailed above.
The proposed rates are based on Equitus commercial list prices for labor. Equitus has discounted our standard commercial labor rates by 20%.(See Supplemental Cost Information for more Info).

Labor rate Documentation:

- Daniel-Hildreth.pdf

Direct Labor Cost ($): $64,200.00

Year2

Category	Description	Education	Yrs Experience	Hours	Rate	Fringe Rate	Total
Software Developer	Principal Investigator	Bachelor's Degree	5	300	$120.00		$36,000.00
Software Developer	Software Developer	Bachelor's Degree	5	50	$100.00		$5,000.00

Are the labor rates detailed below fully loaded? **NO**

Provide any additional information and cost support data related to the nature of the direct labor detailed above.
The proposed rates are based on Equitus commercial list prices for labor. Equitus has discounted our standard commercial labor rates by 20%.(See Supplemental Cost Information for more Info).

Direct Labor Cost ($):	$41,000.00
Sum of all Direct Labor Costs is($):	$105,200.00

Overhead
Base

Labor Cost Overhead Rate (%)	0
Apply Overhead to Direct Materials Cost?	NO
Overhead Comments:	
Overhead Cost ($):	$0.00

Year2

Labor Cost Overhead Rate (%)	0
Apply Overhead to Direct Materials Cost?	NO
Overhead Comments:	
Overhead Cost ($):	$0.00
Sum of all Overhead Costs is ($):	$0.00

General and Administration Cost
Base

G&A Rate (%):	0
Apply G&A Rate to Overhead Costs?	NO
Apply G&A Rate to Direct Labor Costs?	NO
Apply G&A Rate to Direct Material Costs?	NO

Please specify the different cost sources below from which your company's General and Administrative costs are calculated.

G&A Cost ($):	$0.00

Year2

G&A Rate (%): **0**

Apply G&A Rate to Overhead Costs? **NO**

Apply G&A Rate to Direct Labor Costs? **NO**

Apply G&A Rate to Direct Material Costs? **NO**

Please specify the different cost sources below from which your company's General and Administrative costs are calculated.

G&A Cost ($): **$0.00**

Sum of all G&A Costs is ($): **$0.00**

ODC-Materials
Base

Description: Equitus 6.0 KGNN (2 users for 6 months)   Vendor: Equitus

Quantity: 3   Total Cost($): $17,400.00

Consumable? yes   Competitively Sourced? no

Exclusive for this Contract? no

Supporting Comments:

Supporting Documents:

- Commercial Pricing Schedule (2024).pdf

Year2

Description: Equitus 6.0 KGNN (2 users for 6 months)   Vendor: Equitus

Quantity: 3   Total Cost($): $17,400.00

Consumable? yes   Competitively Sourced? no

Exclusive for this Contract? no

Supporting Comments:

Supporting Documents:

- Commercial Pricing Schedule (2024).pdf

ODC-Summary
Base

Do you have any additional information to provide?	**NO**

Year2

Do you have any additional information to provide?	**NO**

Profit Rate/Cost Sharing
Base

Cost Sharing ($):	**-$0.00**

Cost Sharing Explanation:

Profit Rate (%):	**0**

Profit Explanation:

Total Profit Cost ($):	**$0.00**

Year2

Cost Sharing ($):	**-$0.00**

Cost Sharing Explanation:

Profit Rate (%):	**0**

Profit Explanation:

Total Profit Cost ($):	**$0.00**

Total Proposed Amount ($):	**$140,000.00**

EQUITUS CORPORATION

DISCLAIMER: Information provided herein is privileged and confidential, and not subject to disclosure, pursuant to 15 U.S.C. 638 (k)(4) and 5 U.S.C. 552. This information shall only be used or disclosed for evaluation purposes.

SBIR Company Commercialization Report

Total Investments:	Total Sales:	Total Patents:	Government Designated Phase III Funding:
$0.00	$0.00	0	$0.00

Company Information

Address:

2170 RAINBOW DR
CLEARWATER, FL 33765-3935
United States

SBC Control ID:	SBC_001662721	**Company Url:**	https://equitus.us/

Company POC

Title:	COO
Full Name:	Chasiti L Avina
Phone:	9493264778
Email:	admin@equitus.us

Commercialization POC

Title:	COO
Full Name:	Chasiti L Avina
Phone:	(888) 722-8755
Email:	admin@equitus.us

Additional Company Information

% Revenue for last fiscal year from SBIR/STTR funding:	Total revenue for last fiscal year:
6.9%	$1,000,000 - $4,999,999
Year Founded:	**# Employees Currently:**
2008	48
Year first Phase I award received:	**# SBIR/STTR Phase I Awards:**
2020	1
Year first Phase II award received:	**# SBIR/STTR Phase II Awards:**
2022	1
# Employees at first Phase II award:	**Mergers and Acquisition within past 2 years:**
70	No
Spin-offs resulting from SBIR/STTR:	**IPO resulting from SBIR/STTR	Year of IPO:**
No	No	N/A
**Patents resulting from SBIR/STTR	#Patents:**	**List of Patents:**
No	N/A	
Woman-Owned:	**Socially and Economically Disadvantaged:**
No	No
HUBZone-Certified:	**SBC majority-owned by multiple VCOC, HF, PE firms	By what percent (%):**
No	No	N/A

Additional Investment From

	Last Submitted Version (-)	Current Version
DoD contracts/DoD subcontracts	-	$0.00
Angel Investors	-	$0.00
Venture Capital	-	$0.00
Self Funded	-	$0.00
Private Sector	-	$0.00
Other Federal Contracts/Grants	-	$0.00
Other Sources	-	$0.00
Additional Investment	-	$0.00
Total Investment	-	$0.00

SBIR Company Commercialization Report

Phase III Sales To

	Last Submitted Version (-)	Current Version
DoD or DoD prime contractors	-	$0.00
Private Sector	-	$0.00
Export Markets	-	$0.00
Other Federal Agencies	-	$0.00
Additional commercialization by 3rd Party Revenue	-	$0.00
Other Customers	-	$0.00
Additional Sales	-	$0.00
Total Sales	-	$0.00

Government Phase III Contracts

	Last Submitted Version (-)	Current Version
Funding Obligated	$0.00	$0.00

Commercialization Narrative

Commercialized Awards

- Listed below are the sales revenue and investment details resulting from the technology developed under these SBIR/STTR awards.

You have not entered any Commercialized Award Data.

CERTIFICATE OF COMPLETION

THIS CERTIFICATE IS PRESENTED TO

Katie Ressa, Equitus Corporation

FOR SUCCESSFULLY COMPLETING FRAUD, WASTE AND
ABUSE TRAINING AND MEETING ALL REQUIREMENTS SET
FORTH BY THE OFFICE OF SMALL BUSINESS PROGRAMS

Nov 05, 2024

COMPLETION DATE

Nov 05, 2025

EXPIRATION DATE