



Major AI Performance areas:

1. Visualization
2. Simulation / "What If"
3. Information Aggregation

## Business Information

Company Name: The Reddix Group, LLC

Address: P.O. Box 106  
Hanover, MD 21076

Years in IT: 55 Plus

Primary NAICS: 541519

CAGE: 3DJ4

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## NAICS Codes

Our team has past performance in the following NAICS:

- 518210 Data Processing, Hosting, & Related
- 541330 Engineering Services
- 541511 Custom Computer Programming Services
- 541512 Computer Systems Design Services
- 541513 Computer Facilities Management Services
- 541519 Other Computer Related Services
- 541611 Administrative Management
- 541612 Human Resources Consulting Services
- 541613 Marketing Consulting Services
- 541618 Other Management Consulting Services
- 541690 Other Scientific & Technical Consulting
- 541990 All Other Professional, Scientific & Technical
- 561110 Office Administrative Services



# Capabilities Statement

Our Team Focus: Master Systems Integration

## Corporate Overview

Although AI/ML has made rapid progress over the past decade, it has not yet overcome technological limitations. With the unique features of quantum computing, obstacles to achieve AGI (Artificial General Intelligence) can be eliminated. Quantum computing can be used for the rapid training of machine learning models and to create optimized algorithms. This is what we call Master Systems Integration (MSI).

An optimized and stable AI provided by quantum computing can complete years of analysis in a short time and lead to advances in technology. Neuromorphic cognitive models, adaptive machine learning, or reasoning under uncertainty are some fundamental challenges of today's AI. Quantum AI (Q-AI) is one of the most likely solutions for next-generation AI and is where our teams of SMEs excel.

Our team approach is to prep for Q-AI by using an In-Memory solutions that provides a near real-time capability for developing AI algorithms, data readiness, testing/evaluation, providing best in class performance focused infrastructure. This option allows for a stair-step approach to quantum AI computing that combines visualization, simulation, and information aggregation. Clearly, fundamental elements of Federal AI.

The Reddix Group was invited to participate in 3 workshops led by the Office of the Under Secretary of Defense (OUSD) Research & Engineering that will help shape the future of AI/ML at the Department of Defense (DoD). At the workshop, participants ideate and co-solution how to best transition the DoD to a modern, competitive AI Software Marketplace, our focus areas to make this happen are:

- Data Engineering and Infrastructure
- Advances in AI Algorithms
- Testing, Evaluation, and Development

We use a highly elastic  
Teaming approach to AI/ML!

## Data Engineering and Infrastructure

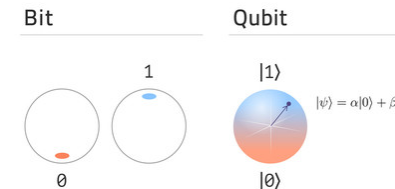
To enable AI, mission system partners need the right data to make solutions effective, and computing resources that make deployment possible. We deploy our application strategies using container and microservices In-Memory orchestration techniques.

## Advances in AI Algorithms

We include capabilities to make advances in "Auto-ML" models that interpret human language in text or audio form; advances in autonomous control; and other topics such as reinforcement learning and control for robotics and AVs.

## Testing, Evaluation, and Deployment

AI-enabled autonomous and semi-autonomous systems must be tested thoroughly and vigilantly maintained to ensure they are assured for collaboration with humans.

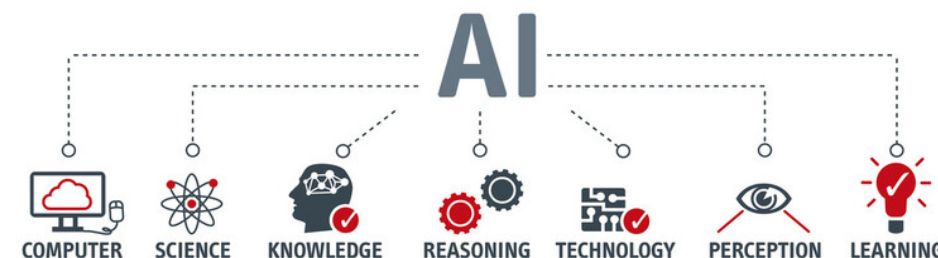


President and CEO  
Joe Reddix,

## Our Bravo Peer-to-Peer Team Specialties



Bravo Designation	Organization	Specialties'
1	The Reddix Group, LLC	Team Lead, Master Systems Integration (MSI), AI T&E
2	GigaSpaces	In-Memory Solution: Digital Integration Hub Solutions
3	Victory Systems, LLC	Cybersecurity, Autonomous Systems, Program Mgmt.
4	Airgility	Drones, UAS, AI T&E, University of Maryland
5	Jaxon.AI	Data Readiness AI Deployment (DRAID), AI T&E
6	Invictus Solutions Group	Software Factories, Micro-Services App Development
7	Trinity Global Consulting	Geospatial Analysis, IT Services, Engineering, Admin.
8	Futech Engineering	IT/Systems Engineering, Life Sciences, Program Mgmt.
9	Colvin Run	Microelectronics, Data Contextualization/Insights
10	SkYH2O	Atmospheric Water Generation (AWG)
11	Daniel Lovell	Intern, Cybersecurity Research



For more information please contact: [info@reddixgroup.com](mailto:info@reddixgroup.com) or call us at (410) 419-1467