

Core4ce's **Autonomy, Artificial Intelligence, Machine Learning (AAIM) Lab** is a technology and innovation hub that supplies state-of-the-art AI/ML-enabled services in an accelerated timeline.

OUR IMPACT: The AAIM Lab has developed an AI-enabled deep learning software package for the design and fabrication of next generation meta-lenses; designed a custom LLM platform to help DAF's acquisition specialists streamline AI acquisition; used deep neural nets and reinforcement learning to enable autonomous decision making of swarming ISR assets; and modernized the USSF Basic Military training with the incorporation of AI and statistical modeling.

OUR EXPERTS: We are a cross-functional research and development team consisting of engineers and scientists who share a common vision of advancing the art of the possible through high-technology research and development projects.

ACCOLADES: In recognition of the creation of innovative solutions, our scientists and engineers are recipients of the Air Force Research Laboratory (AFRL) Materials and Manufacturing Directorate (RX) Director's Award and the Charles J. Cleary Scientific Achievement Award.

CAPABILITIES

ESTABLISHED

- Artificial Intelligence and Machine Learning
- Autonomy
- Software Tool Development (Open Source and Proprietary)
- Advanced Material Design
- Data Analytics
- Modeling and Simulation

GROWING

- Hypersonics
- Process Automation (SharePoint, RPA, Power Automate)
- LLMs and NLP
- Cybersecurity
- Knowledge Capture
- Open Architecture Design

FUTURE

- Satellite Automation
- Advanced Modeling and Simulation Architectures
- Enterprise Software
- Adoption of Technology

PROVIDING EXPERT SUPPORT TO





ABOUT CORE4CE

Core4ce is a trusted national security partner that operates with a **data mindset**.

We harness the power of data to advance research and development initiatives, develop technology solutions, and protect national interests.

Through collaboration across four disciplines – **cyber, analytics, engineering, and mission solutions** – we work to ensure that the warfighters and intelligence officers protecting our nation have the best possible tools, data, and operational support.

We build long-term relationships with our customers and pair them with top-tier experts who know what's at stake and how to deliver results with precision and purpose.

CUSTOMIZED SERVICE

When you work with us, the quality of our service matches the quality of the results. Our team is responsive and present from start to finish.

AGILE EXECUTION

We drive our customer's goals to completion with speed and accuracy. We give you and your project above and beyond the attention it needs to ensure a successful implementation.

PROFESSIONAL EXPERTISE

Our team has the brightest and most innovative minds in their respective fields. Core4ce has a knack for finding the right people to fit your project perfectly.

NATIONAL SECURITY MISSION

Since the company's founding, we have been dedicated to supporting our national security community, including hiring former military and IC personnel. Over 30% of Core4ce's team members are military veterans.

CERTIFICATIONS

SAM UEID:
FQKKJ9E68ED4
Primary NAICS Code:
541512
CAGE Code:
8AWU5

