



AERLIX CONSULTING LLC / CAPABILITY STATEMENT

Company overview

Aerlix focuses on advanced software across mission systems, artificial intelligence, cybersecurity, edge intelligence and resilient distributed networks. Its engineering thesis is to preserve useful, bounded operation when connectivity, infrastructure and information cannot be assumed.

Core engineering scopes

- Mission software, operator interfaces and event-driven integration.
- AI applications, bounded agent architectures and evaluation systems.
- Cybersecurity engineering and explicitly authorized security testing.
- Local-first applications, edge compute and distributed state.
- Modeling, simulation, digital engineering and verification.

Advanced programs & research

Proposed program scopes include autonomous mission software, C2 / ISR integration and tactical edge systems. Frontier research interests include collaborative intelligence, advanced sensing, spectrum, assured PNT and resilient space networks. These are not claims of fielded products or hardware.

Engineering differentiators

Explicit failure modes. Human authority. Modular interfaces. Secure-by-design architecture. Instrumented behavior. Reproducible evaluation. Clear separation of engineering scope, proposed programs and research maturity.

Government identifiers & NAICS

LEGAL ENTITY	Aerlix Consulting LLC
PUBLIC BRAND	Aerlix
ENTITY TYPE	Not published — verification required
UEI	Not published — verification required
CAGE CODE	Not published — verification required
SAM.GOV STATUS	Not published — verification required
NAICS	Not published — verification required
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