



Decision-Grade Intelligence at the Edge

Mission: Protocol-aware AI reasoning and mission-specific knowledge retrieval that runs entirely on-device. No cloud, no connectivity, and hardware agnostic, so operators keep decision superiority in DDIL and sensitive environments.



<3s

TTFT

0

Cloud dependencies

1GB

RAM + CPU

8

Packs Deployed

100%

Air Gapped

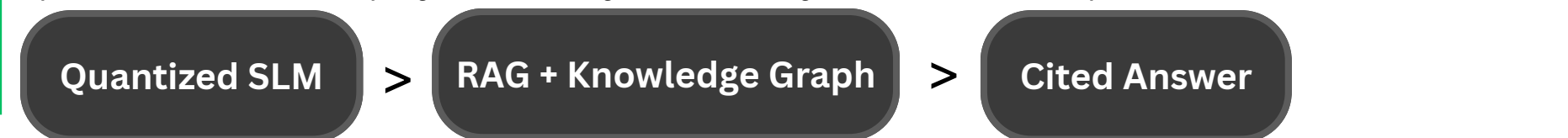
PROBLEM / OPERATIONAL GAP

- **Connectivity dependency:** when a network is jammed or denied, cloud AI goes dark at the moment of greatest need.
- **Data exfiltration risk:** every cloud query routes operational data through third-party infrastructure adversaries already target.
- **Latency as a liability:** cloud AI averages 12+ seconds to first token under degraded networks.
- **Cognitive burden:** operators lack a doctrine-grounded reasoning aid at the point of decision.

In DDIL, connectivity is the first thing the adversary attacks. Cloud-dependent AI leaves your data exposed, and fails to be impactful when it counts most .

SOLUTION/ TECH OVERVIEW

A complete offline **reasoning layer** (model, retrieval pipeline, knowledge base, and operator interface) deployable on any device, fully within the unit's perimeter.



- **Small language model:** quantized, mission-specific reasoning on constrained edge hardware.
- **Offline RAG + knowledge graph:** hybrid retrieval, every answer source-linked
- **Sovereign by design:** zero signature, zero cloud calls; model and data never leave the device.

Architecture Principle: Models must work when everything else fails.

UAI DIFFERENTIATOR

- **Fully offline / air-gapped:** zero connectivity is the design baseline, not a degraded mode.
- **Hardware-agnostic edge deployment:** any CPU, 1GB+ RAM. No GPUs, no proprietary appliance
- **Faster fielding than cloud systems:** no infrastructure to stand up, no ATO-bound cloud enclave
- **Grounded decision support:** source-linked citations and protocol adherence system with auditable reasoning, not a black box.
- **Data sovereignty & resilience:** the unit owns the intelligence; nothing transits an interceptable link.

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ARMY VALUE | PILOTS | NEXT STEPS

- **Decision superiority at the edge:** doctrine and SOP-grounded answers in <3s in comms-denied environments demonstrated as a protocol-aware execution aid for field operations (CQB, Contested Logistics, etc.).
- **Acquisition pathway ready:** TradeWinds Awardable (CDAO) enables expedited award without a cold- start procurement.
- **Low burden to field:** runs on existing edge devices: no new infrastructure, bandwidth, or cloud ATO.

PILOT

~90 day pilot on a defined mission set

VALIDATE SUCCESS METRIC

Measure SOP adherence, time-to-proficiency, etc.

SCALE

Controlled expansion of packs across operation tasks

Request a pilot: info@unpluggedai.io

Capability Statement Available