



RE-IMAGINING C2 FOR MULTI DOMAIN CONVERGENCE

Conceptual “WHY” to Architectural “HOW”

CONVERGENCE

LEGACY



Stage 1 : De - Confliction

*I fly here so you
don't shell there*

TOO SLOW

CURRENT

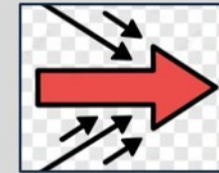


Stage 2 : Integration

*Two or more users
navigating a medium
with strict procedural
controls*

TOO RIGID

FUTURE



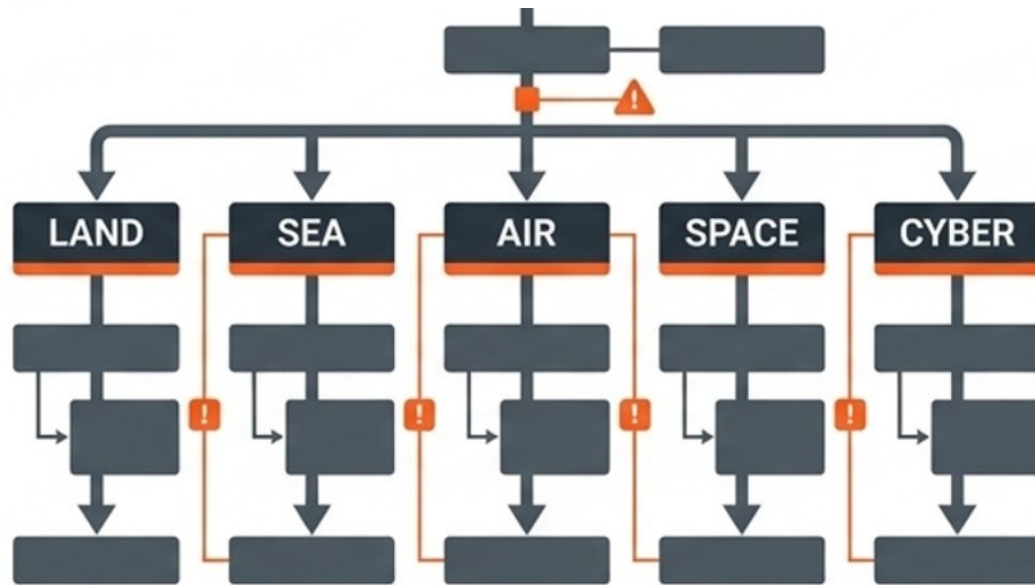
Stage 3 : Convergence

*Applying capabilities
across land, sea, air,
space and cyber
simultaneously to create
unsolvable dilemmas for
the adversary*

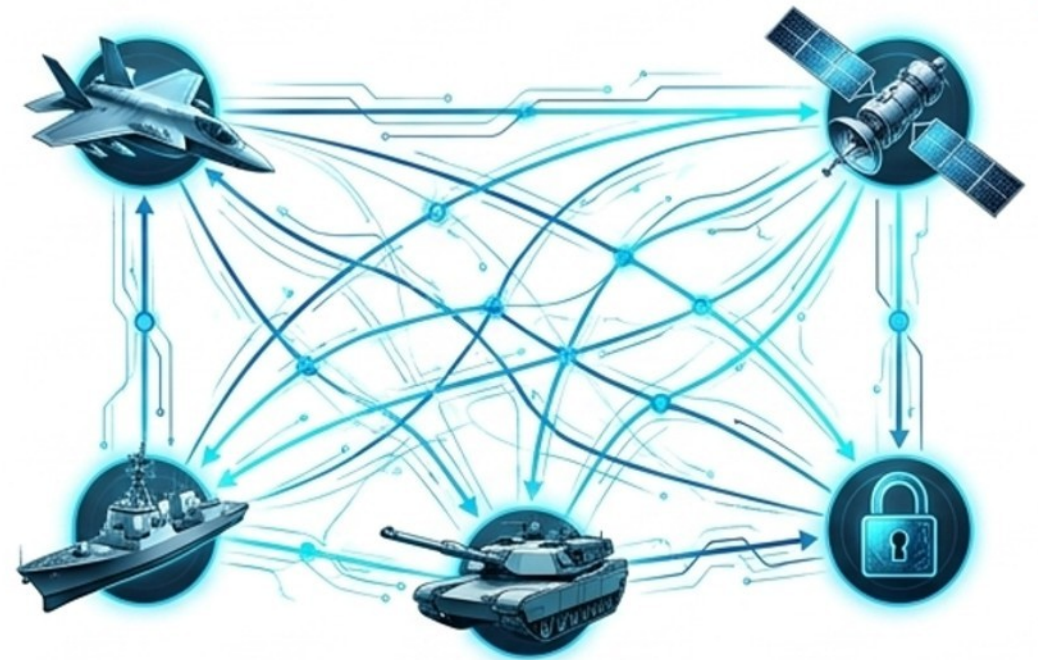
THE GOAL

COMMAND & CONTROL DICHOTOMY

Cannot have multi-domain effects with single domain C2 systems



SILOS



NEURAL NETWORKS



THE VELOCITY OF ENTROPY

Missiles, Swarms and Cyber Attacks compress action-reaction cycles, creating disorder faster than solutions



The Data Deluge



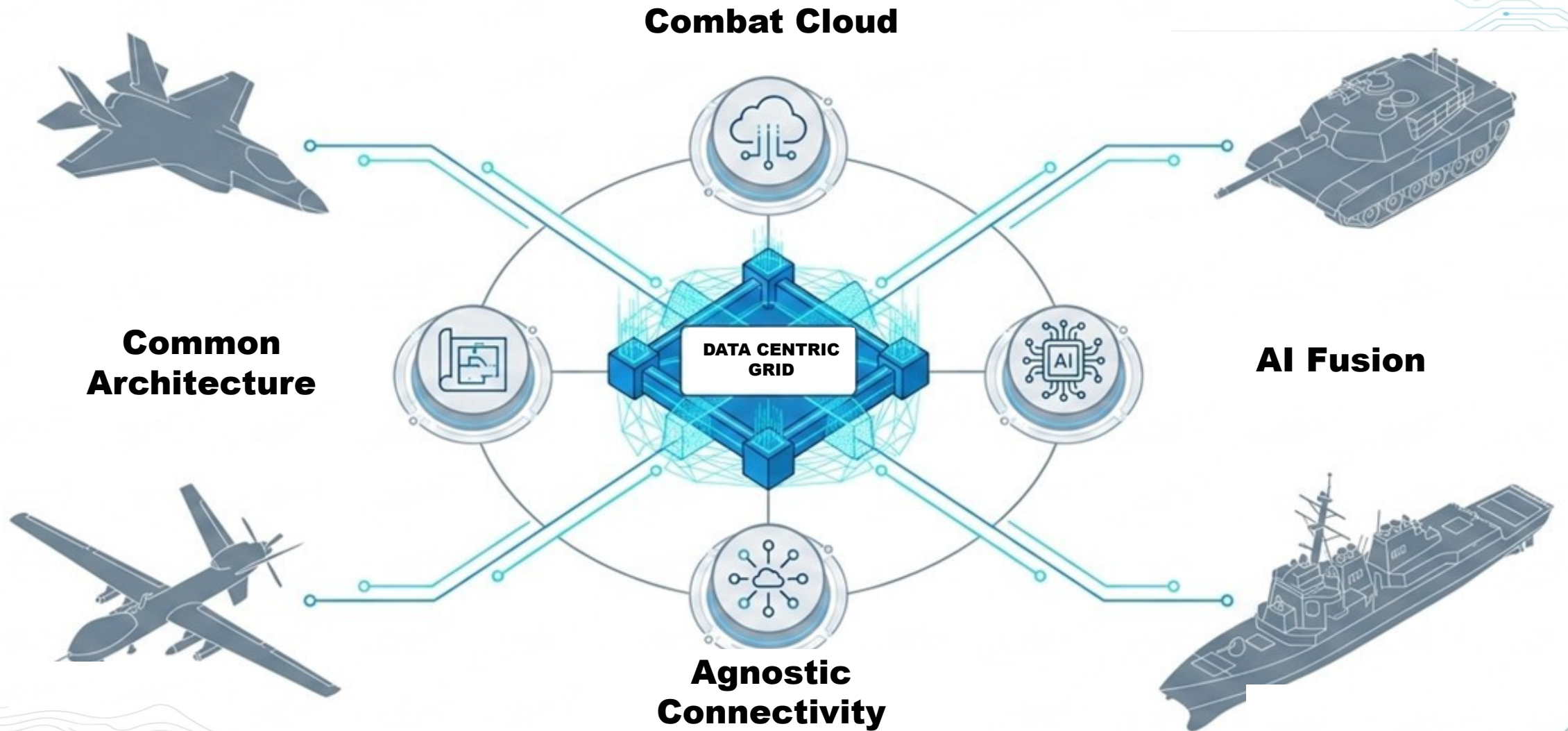
The Fragility of Centralisation



The Cognitive Load

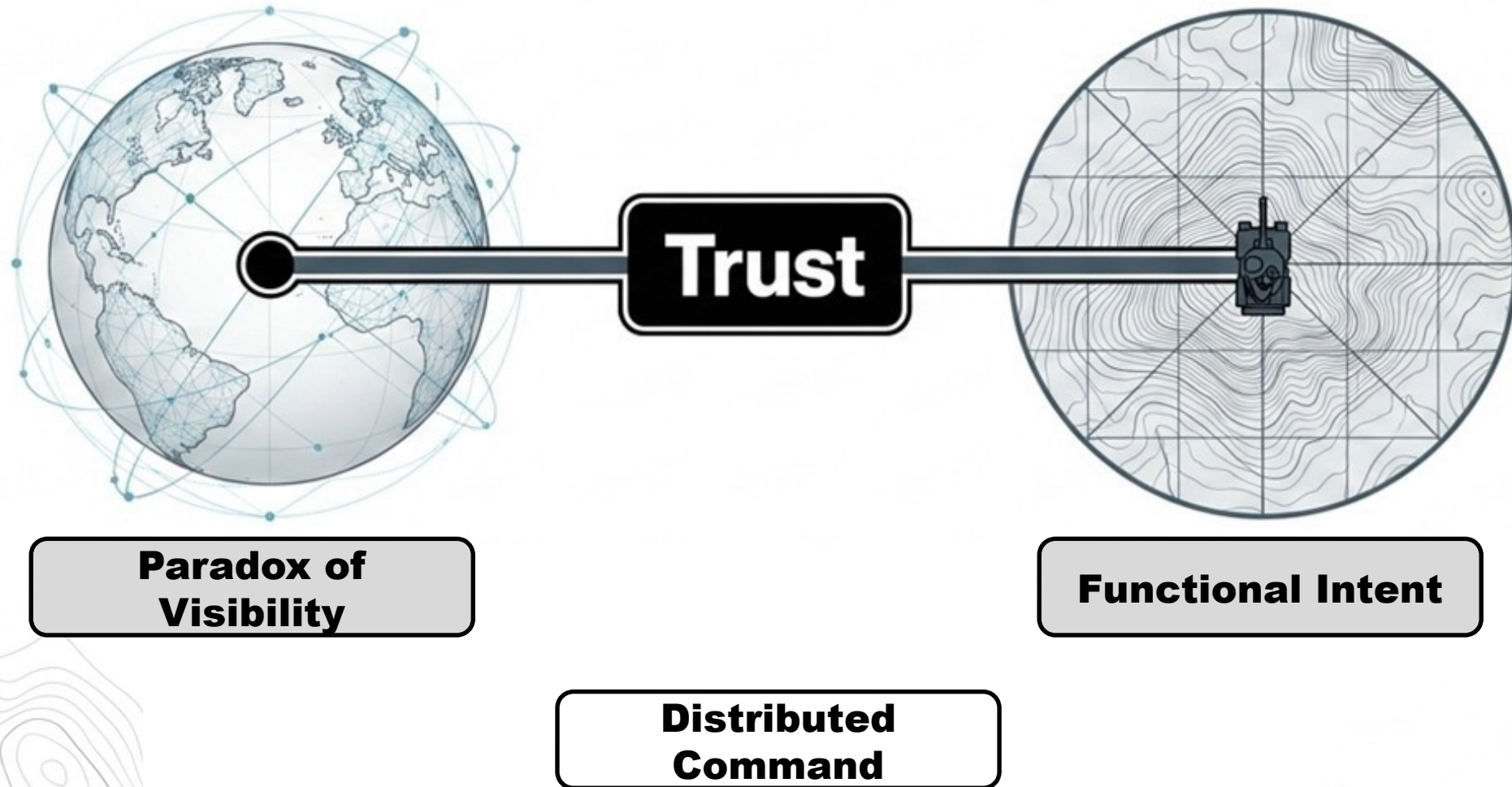


THE SOLUTION : A UNIFIED DATA ENVIRONMENT



PILLARS OF MDO C2 NETWORK

PHILOSOPHY : MISSION COMMAND IN DIGITAL AGE



THE PATH FORWARD : RESILIENT COMPLEXITY

Goal : We cannot build a “perfect” network; We must build a resilient, accessible one, that fights through chaos



1. Open Architectures

No proprietary black boxes. Plug-and-play integration in hours, not years. “Security” cannot be an excuse to deny synergy.



2. Cyber as a Shield

The network is the weapon system. Protecting the data stream is as vital as protecting a carrier flight deck.



3. Train for Chaos

Build mental resilience to survive through system complexity.



COMMANDER'S MANDATE

Trinity of C2
Acceptance : Trust : Fusion

The Mandate
Step out of Service Silos & into the
discomfort of MDO Web



C2 System - nervous system of the force. If it fails, the muscle is useless.