

Corporate Security
Cyber Risk Watch Tower

Airbus Amber

Scaling 360° Security in Aviation Through Trusted Digital Intelligence

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THE NEW SECURITY REALITY

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DISTRIBUTED & HYBRID

Security ecosystems are no longer self-contained. They are becoming fluid, distributed, and increasingly AI-driven in a hyperconnected industrial ecosystem.

- Cyber-physical orchestration at scale
- Intellectual property protection
- Global supply chain integrity

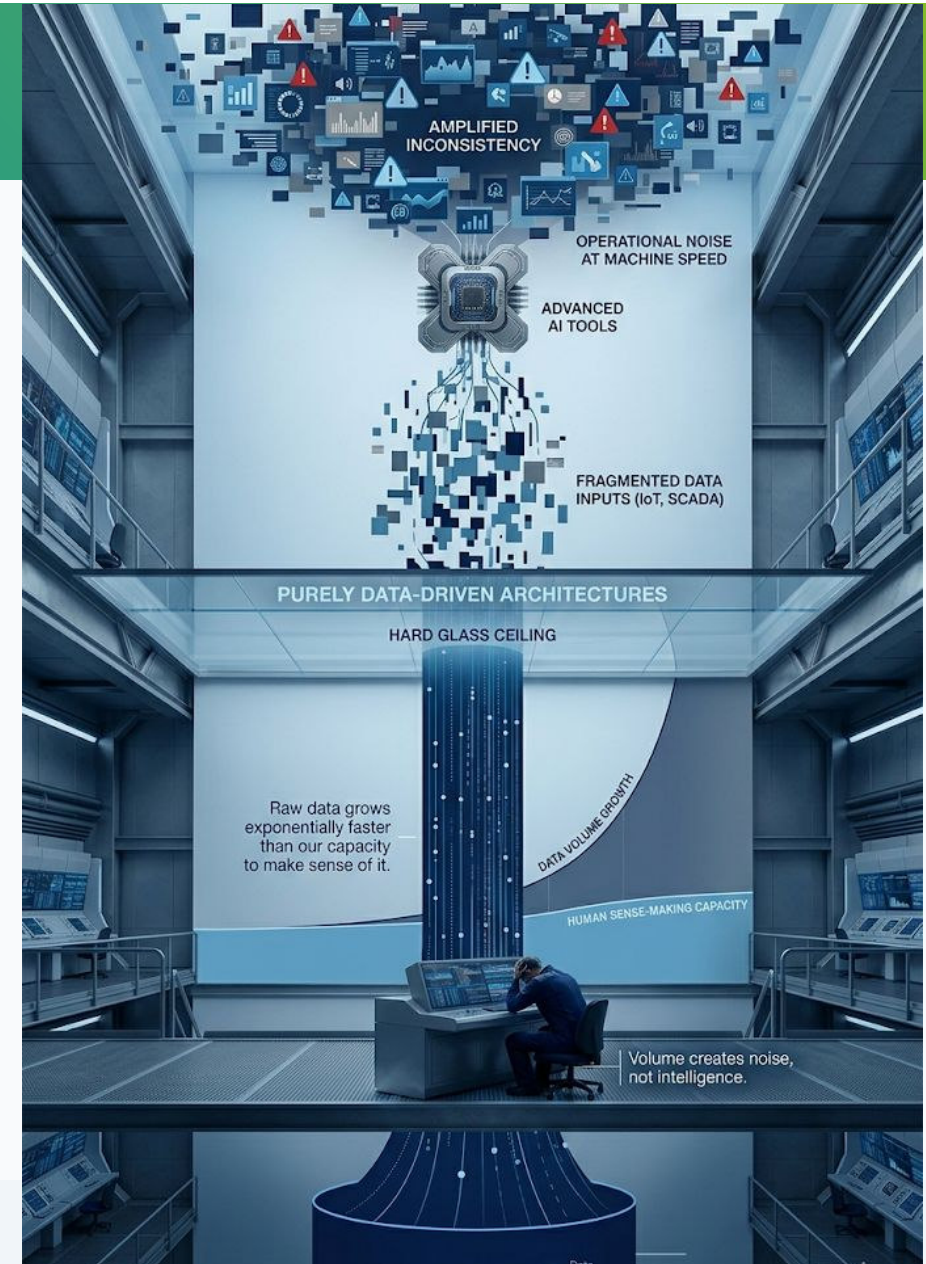
"Data is no longer the scarce resource. Shared understanding is."



THE GLASS CEILING

At scale, raw data grows exponentially faster than our ability to maintain coherent understanding. We are hitting a wall where more data produces more noise, not more security.

- Fragmented Intelligence
- Loss of Operational Context
- AI-Amplified Inconsistency



WHY LEGACY ARCHITECTURES FAIL

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SILOED SUPERVISION

Designed for stable, isolated environments that no longer exist in modern aviation.



RIGID INTEGRATIONS

Point-to-point logic that breaks under the pressure of dynamic, distributed digital flows.

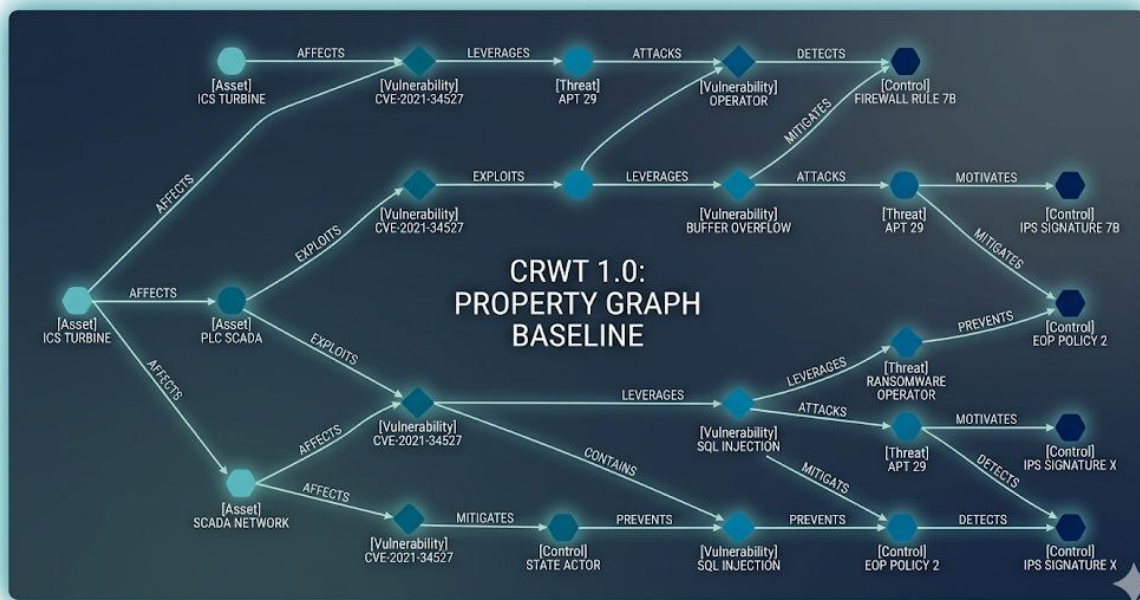


OPERATIONAL NOISE

Static architectures struggle to separate critical signals from background complexity.

CRWT 1.0: OPERATIONAL CORRELATION

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THE STRENGTH OF GRAPH

CyberRisk Watch Tower (CRWT) began by mastering operational visibility through property graph correlation.

- Unified Cyber Risk Intelligence
- High-Speed Link Investigation
- Deep Operational Visibility
- Asset-Risk Correlation

WHY CRWT 2.0?

Transitioning from a single graph-centric view to a multi-ecosystem orchestration layer.

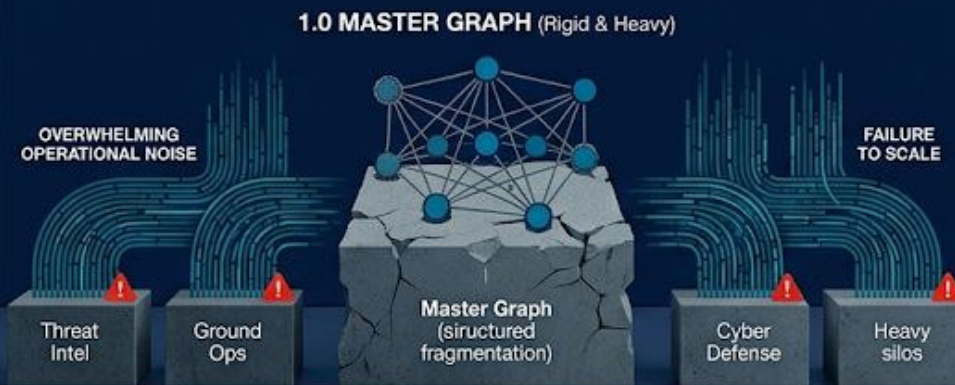
THE SHIFT TO RATIONAL

From CRWT 1.0 to a Governing Intelligence

THE STRATEGIC SHIFT: DISTRIBUTED ECOSYSTEM ORCHESTRATION (2.0)



THE STRATEGIC SHIFT: CENTRAL CORRELATION (1.0)



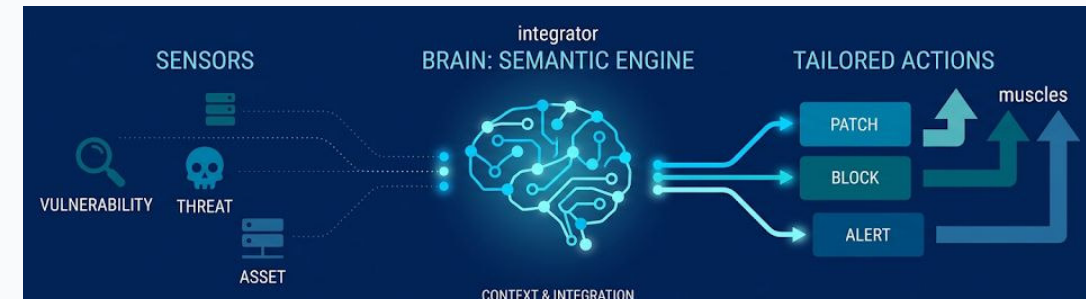
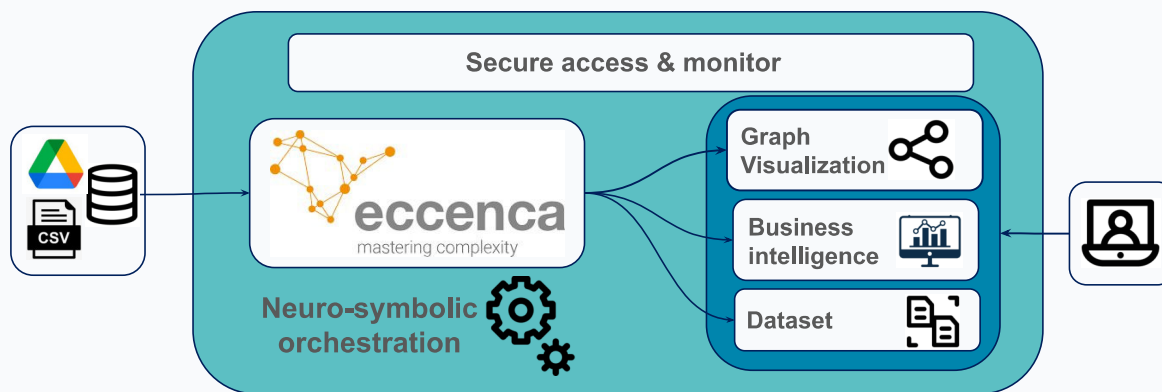
GRAPH OF GRAPHS

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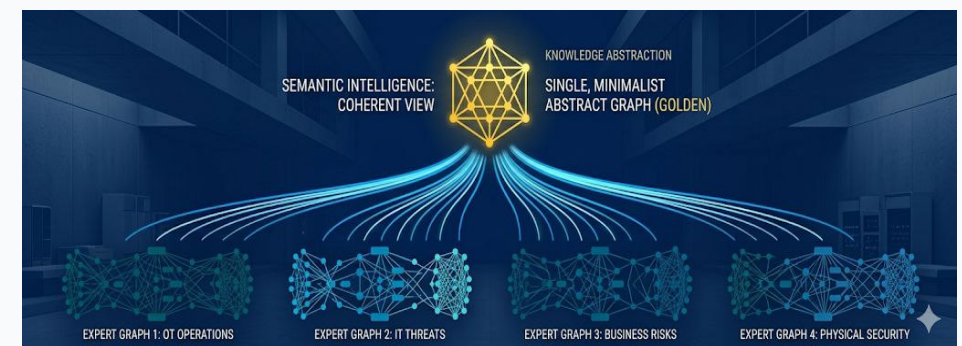
GOVERNING BRAIN

With ECCENCA, CRWT 2.0 introduces the "Graph of Graphs" concept. We no longer centralize all data. Instead, we **orchestrate specialized knowledge**.

Cyber Risk Watch Tower 2.0 Architecture



An abstraction layer that governs independent expert graphs to provide a unified compass for the entire industrial ecosystem.



ORCHESTRATION FOR TRUSTED INTELLIGENCE AT SCALE

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Knowledge does not replace data; it governs it into actionable intelligence. Thus, explainability and governance become the central pillars of AI-augmented aviation security.

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Traditional Data Security

45% Efficacy

Knowledge-Driven Security

"Data tells you what happened. Knowledge tells you why it matters."

90% Efficacy



FEDERATED TRUTHS

Orchestration, not replacement. Specialized systems trust each other through a common semantic language.



TRUSTED FEDERATION

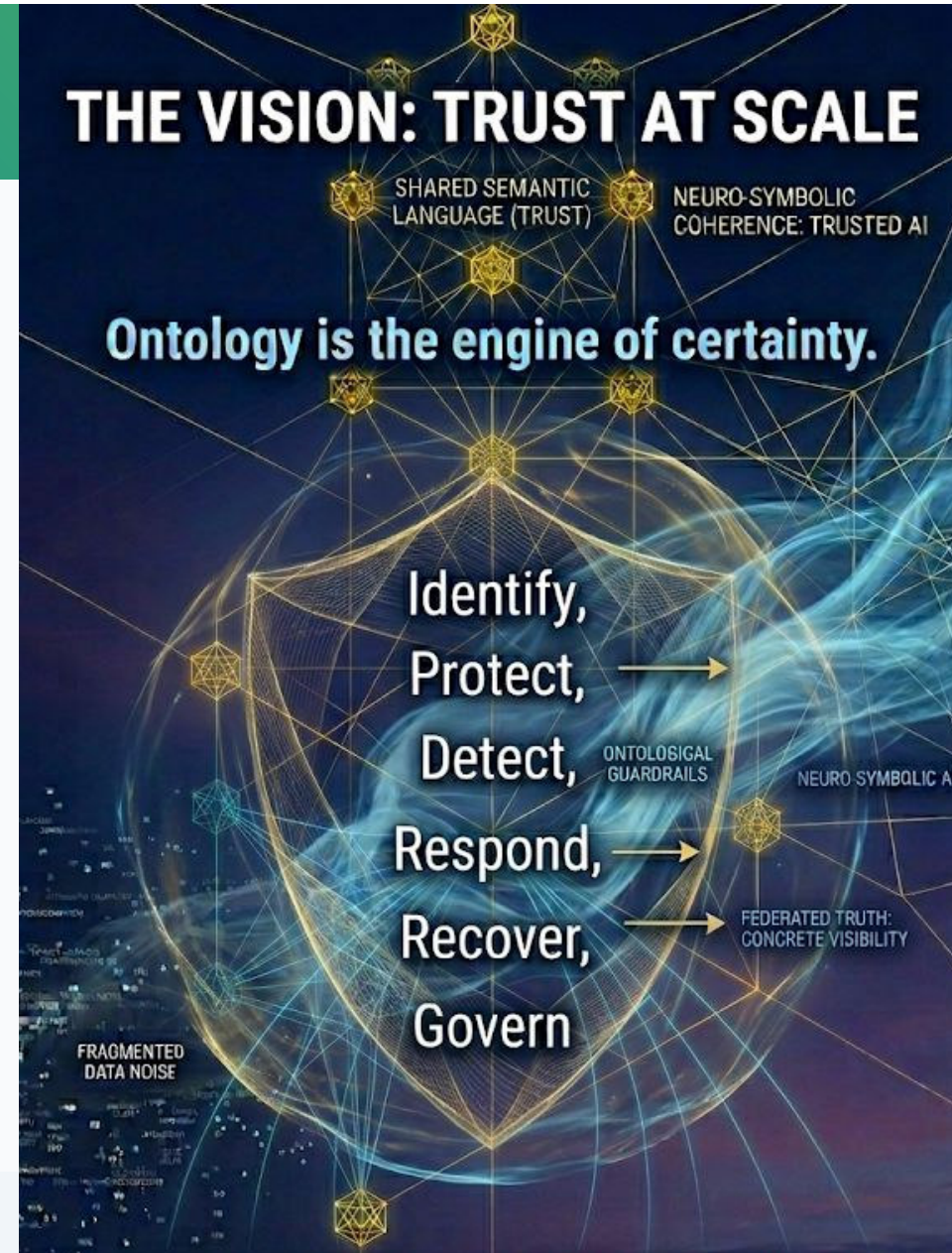
Scaling 360° security requires a unified understanding across autonomous digital clusters.

THE COHERENCE SHIFT

- This collective intelligence must be capitalized as an Ontology to federate and govern Knowledge-Graphs.
- This is the foundation of Neuro-symbolic AI: bridging generative power with unshakeable industrial logic.

Scaling security is no longer only a technology challenge.

It is a **coherence and trust** challenge.



Thank you

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