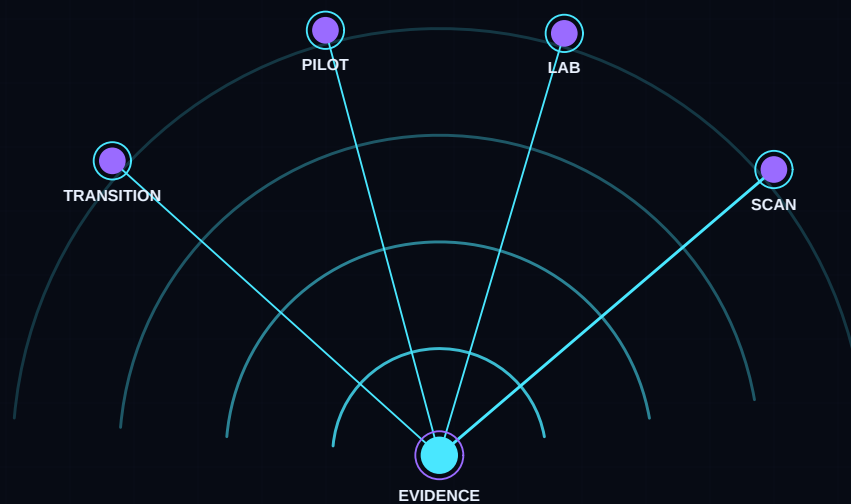


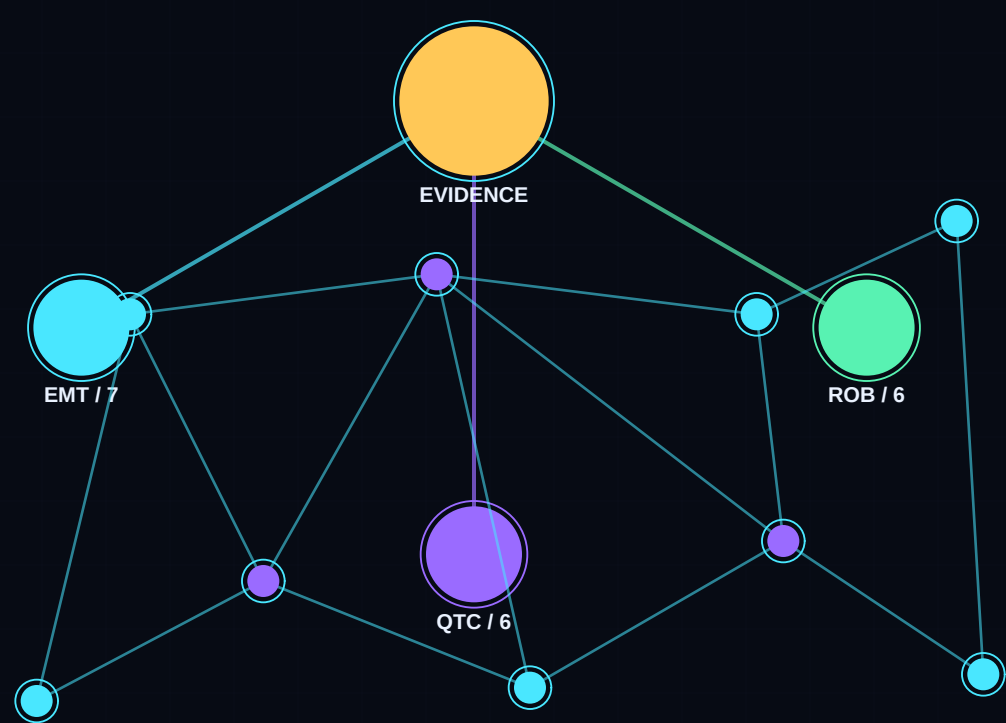
Emerging & Advanced Technology Executive Portfolio



19 permanent standards / research-bounded adoption / transition through evidence

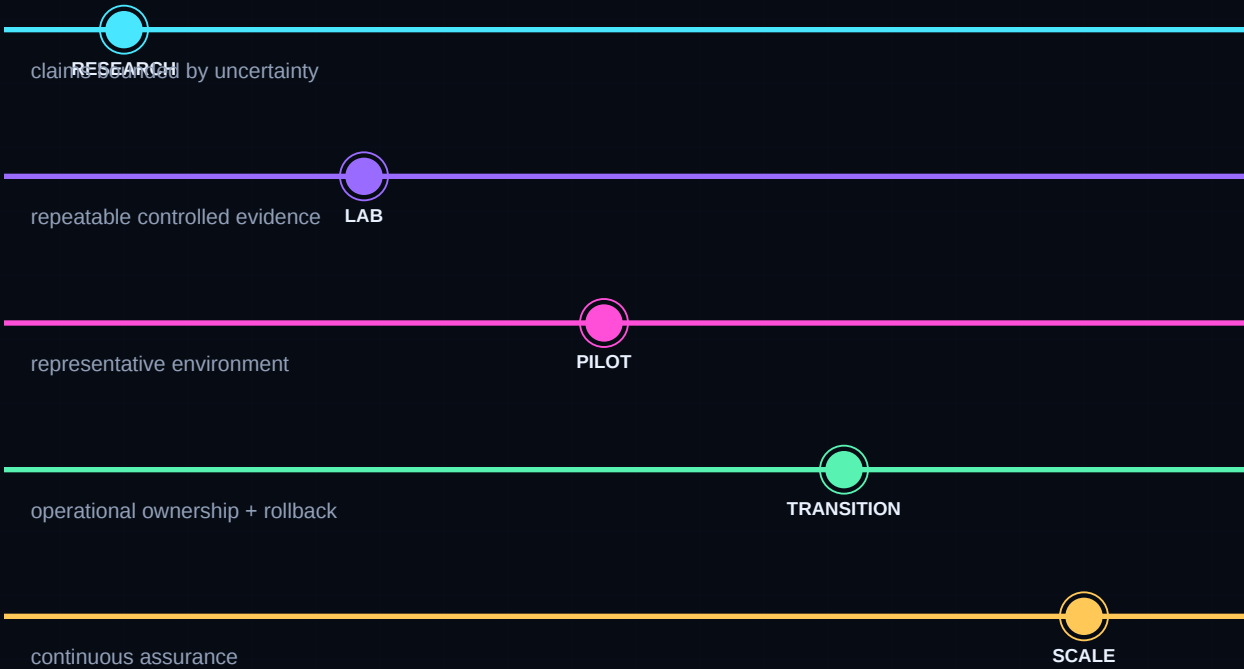
MYTHOS-EMERGING-EXEC-0001

Technology Constellation



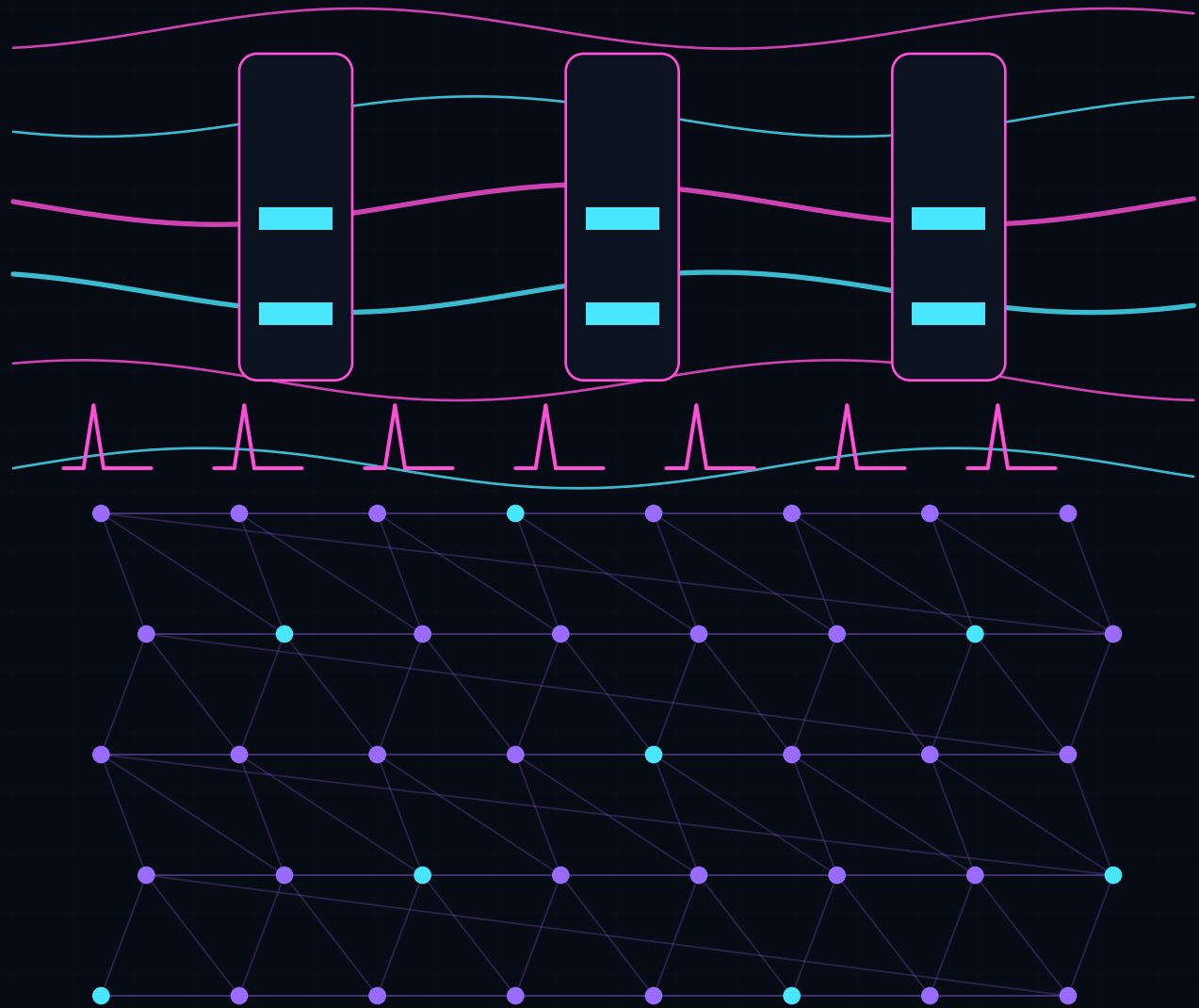
proof -> capacity -> locality -> settlement -> audit

Readiness Horizons



Rule: readiness is evidence-state, not calendar age or vendor announcement.

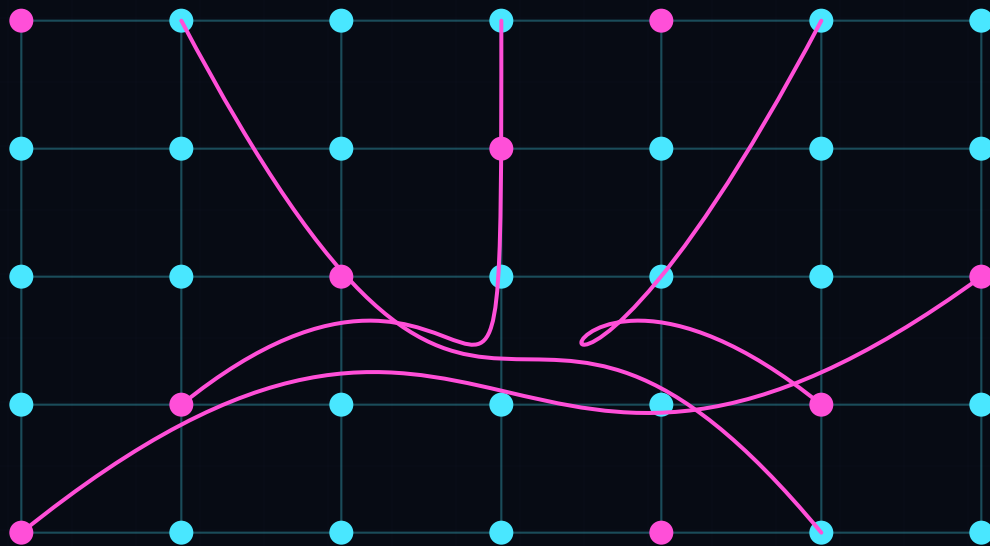
Research Map



PHOTONICS / CHIPLET / QUANTUM x NEUROMORPHIC / ROBOTICS / FUTURE NETWORKS

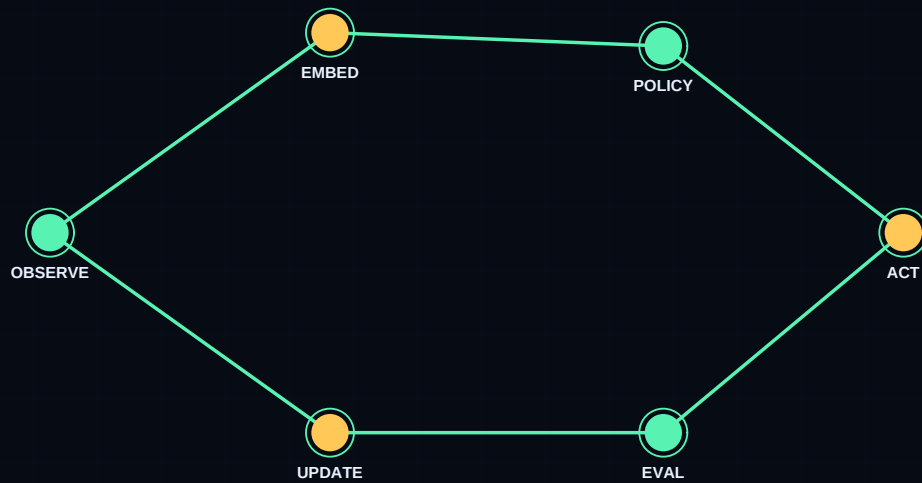
Adoption decisions require cross-domain dependencies: power, thermal, firmware, networking, safety, identity, observability, and recovery.

Quantum & Cryptographic State Flow



Migration is an inventory and lifecycle program. Quantum networking remains research-bounded and must preserve classical control and verification.

Physical-AI Assurance Loop



Sense -> infer -> plan -> authorize -> act -> observe -> recover

Every autonomous action needs bounded authority, uncertainty handling, emergency stop, and post-action evidence.

Portfolio Register

MYTHOS-EMT-0001	Emerging Technology Horizon Scanning, Experimentation, and Trans...
MYTHOS-EMT-0002	Advanced Cryptography, Privacy-Enhancing Technology, and Crypto...
MYTHOS-EMT-0003	Integrated Photonics and Optical Compute Systems Standard
MYTHOS-EMT-0004	Neuromorphic Computing and Event-Driven Intelligence Standard
MYTHOS-EMT-0005	Decentralized Physical Infrastructure Network Research and Assur...
MYTHOS-EMT-0006	5G-Advanced and 6G Research Evaluation Standard
MYTHOS-EMT-0007	Advanced Semiconductor, Chiplet, and Heterogeneous Integration S...
MYTHOS-QTC-0001	Quantum Computing System and Workload Evaluation Standard
MYTHOS-QTC-0002	Post-Quantum Cryptography Migration and Algorithm Portfolio Stan...
MYTHOS-QTC-0003	Quantum Networking, Entanglement Distribution, and QKD Standard
MYTHOS-QTC-0004	Quantum Sensing, Timing, and Metrology Standard
MYTHOS-QTC-0005	Hybrid Quantum-Classical Orchestration and Reproducibility Stand...
MYTHOS-QTC-0006	Fault-Tolerant Quantum Computing and Error-Correction Readiness ...
MYTHOS-ROB-0001	Robotics System Safety, Security, and Lifecycle Standard
MYTHOS-ROB-0002	Autonomous Decision, Planning, and Human Oversight Standard
MYTHOS-ROB-0003	Industrial Robotics, Collaborative Robot, and Cell Integration S...
MYTHOS-ROB-0004	Mobile Robot, Drone, and Autonomous Fleet Operations Standard
MYTHOS-ROB-0005	Robot Perception, Sensor Fusion, and Simulation Assurance Standa...
MYTHOS-ROB-0006	Embodied AI, Foundation Model, and Robot Skill Learning Standard

Leadership Decisions

FUND Research and lab evidence before product dependency.

BOUND No emerging technology receives standing production authority from novelty alone.

COMPARE Always retain an incumbent or classical comparator.

RECOVER Pilot designs require rollback, supplier exit, and degraded modes.

REVALIDATE Volatile standards, claims, and capabilities carry explicit review triggers.