



DELIVERING AUTONOMOUS, INTELLIGENT OPERATIONS IN SPACE

—with Cryptographic Integrity and Zero Trust Cybersecurity



Modular, integrated, space-
optimized AI Engine



Blockchain-enabled
cryptographic timestamps
and records



Zero Trust Gateway and
ultra-secure end-to-end
communications



THE NEXT GENERATION OF SPACE SYSTEMS—SATELLITES, SPACE STATIONS, AND AUTONOMOUS INFRASTRUCTURE—IS EVOLVING RAPIDLY AND FACES THREE KEY CHALLENGES



Data overload with no onboard intelligence

Satellites generate high volumes of data but lack the ability to process or act on it in real time



Reliance on Earth

Ground-based processing creates latency, bandwidth dependency, and limits true autonomy



Lack of trusted operations

Space operations lack robust security, and in-orbit autonomous decisions have no verifiable trail

SPACE ARMOUR IS BUILDING THE AI INFRASTRUCTURE LAYER FOR ORBIT—ENABLING INTELLIGENT, AUTONOMOUS OPERATIONS WITH CRYPTOGRAPHIC TRUST AND EMBEDDED SECURITY

01



QXLI - Orbital AI Engine

A modular, integrated space-optimized AI system deployed on the NVIDIA Jetson Orin platform / in-orbit Cloud infrastructure

02



Onboard Blockchain Node

Co-deployed with the AI engine, it cryptographically timestamps and records AI inferences, decisions, and telemetry

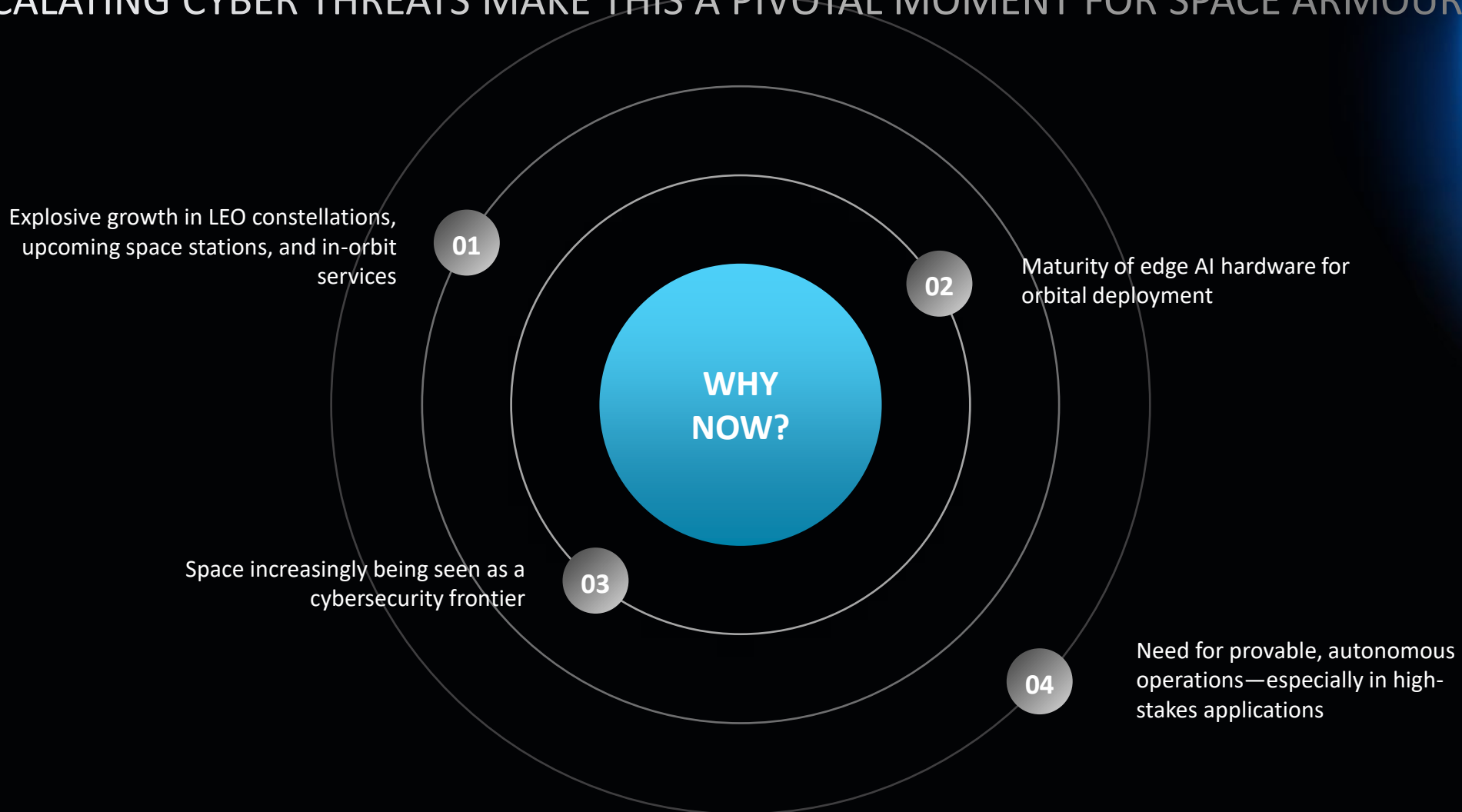
03



Zero Trust Security Gateway

Zero Trust security system extended to secure space assets and enable ultra-secure end-to-end communications

WHY NOW? A SURGE IN GLOBAL SPACE ACTIVITY, RISING DEMAND FOR REAL-TIME INTELLIGENCE, AND ESCALATING CYBER THREATS MAKE THIS A PIVOTAL MOMENT FOR SPACE ARMOUR



THE MARKET: ACCORDING TO MCKINSEY, THE GLOBAL SPACE ECONOMY REPRESENTS A \$1.8 TRILLION GROWTH OPPORTUNITY, FUELED BY SATELLITE DATA, AI, AND IN-ORBIT INFRASTRUCTURE

Total Addressable Market

\$370B+

Space AI, Infrastructure, and Security

Service Addressable Market

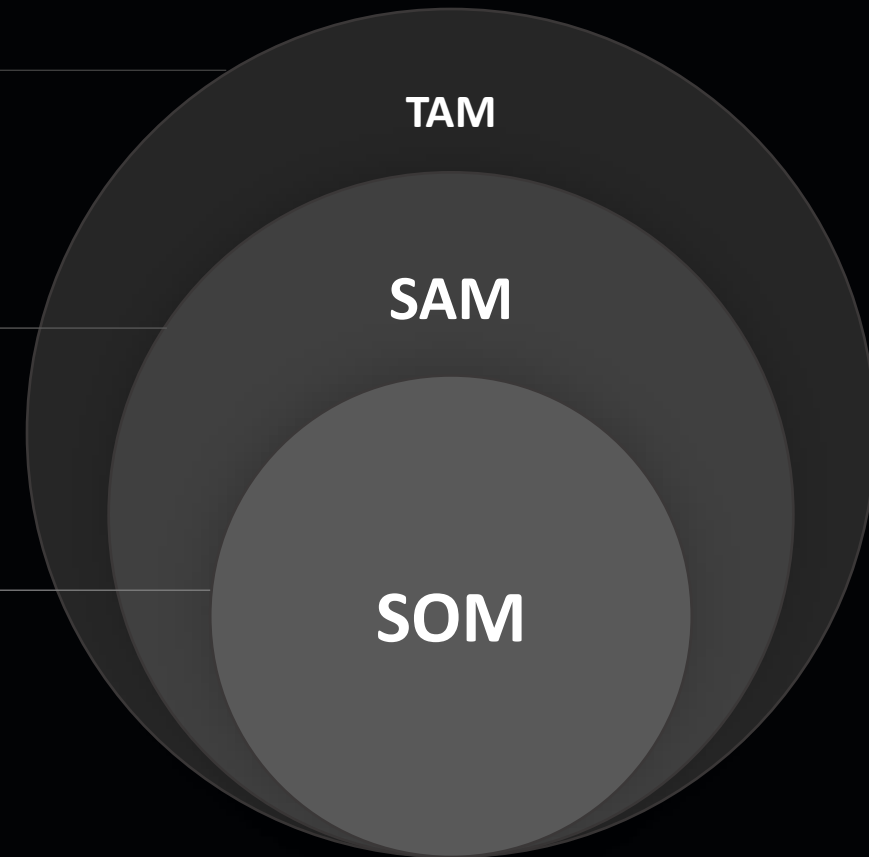
\$10B+

Autonomous Satellites, Orbital Platforms

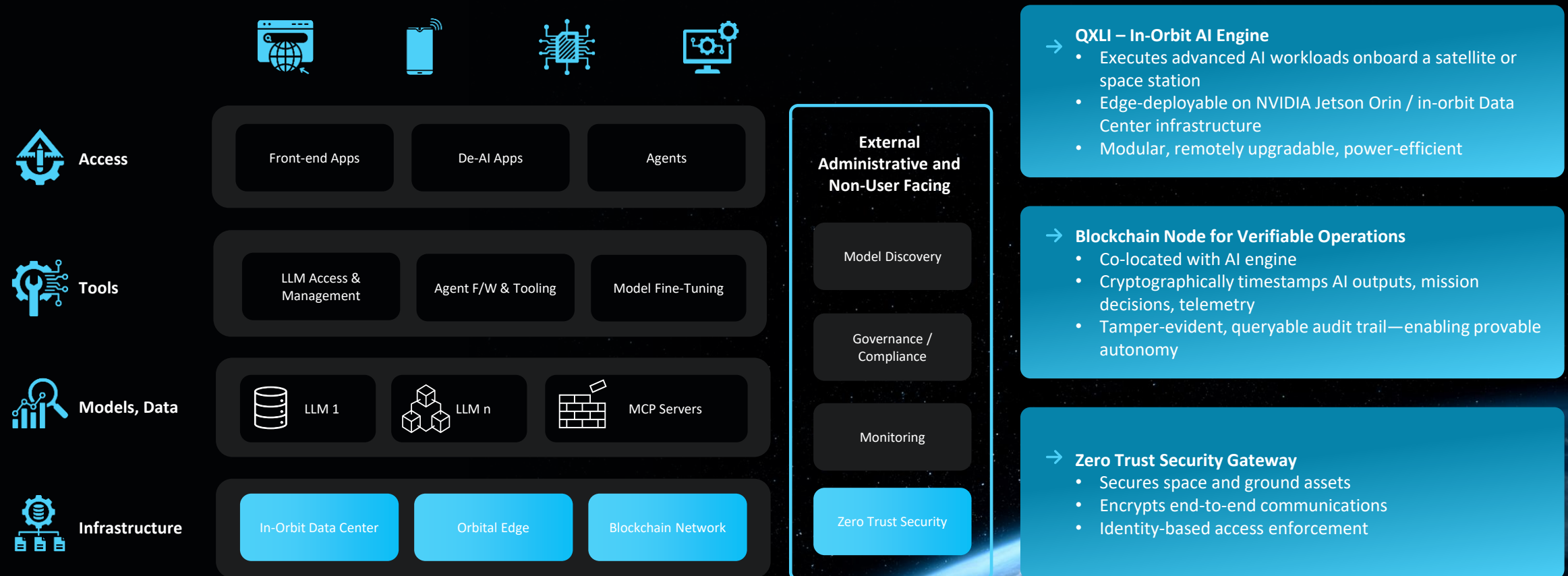
Service Obtainable Market

\$500M

Early Adopters (Earth Obs, In-Orbit Services, Secure Comms)



SPACE ARMOUR UNIQUELY INTEGRATES AI OPTIMIZED FOR IN-ORBIT OPERATIONS WITH CRYPTOGRAPHIC TRUST AND EMBEDDED SECURITY—ENGINEERED FOR REAL-WORLD SPACE DEPLOYMENT



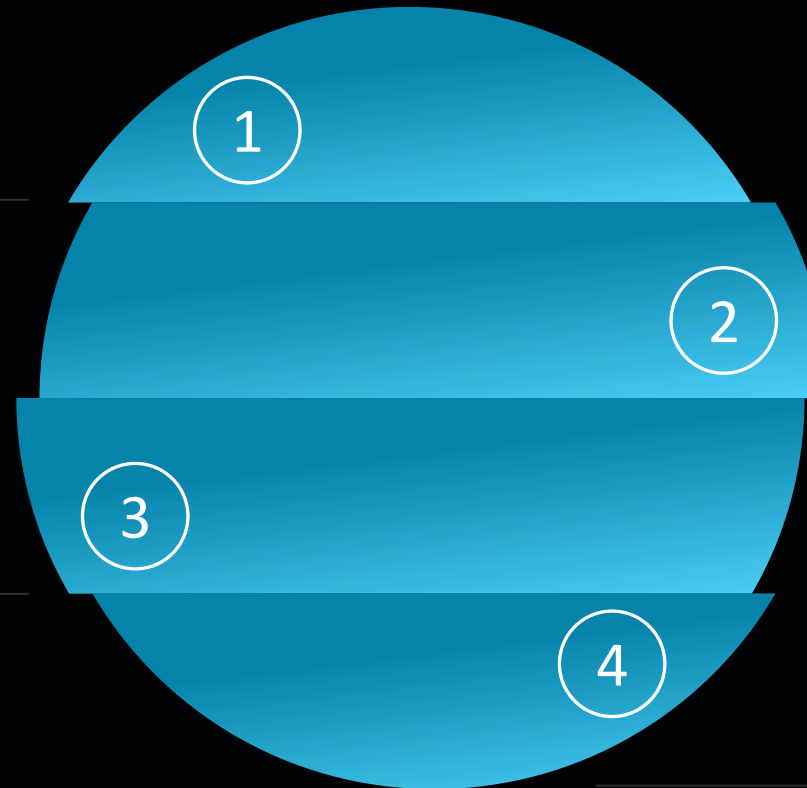
OUR ORBITAL INTELLECT LAB SERVES AS BOTH AN INNOVATION HUB AND A COLLABORATIVE RESEARCH PLATFORM—ACCELERATING THE DEVELOPMENT OF AI TECHNOLOGIES FOR IN-ORBIT DEPLOYMENT

Internal Optimization

Initially, utilized by the Space Armour team for internal testing, and optimization

Open Collaboration

Platform opened to partners & academic institutions, to explore AI-driven use cases in orbit



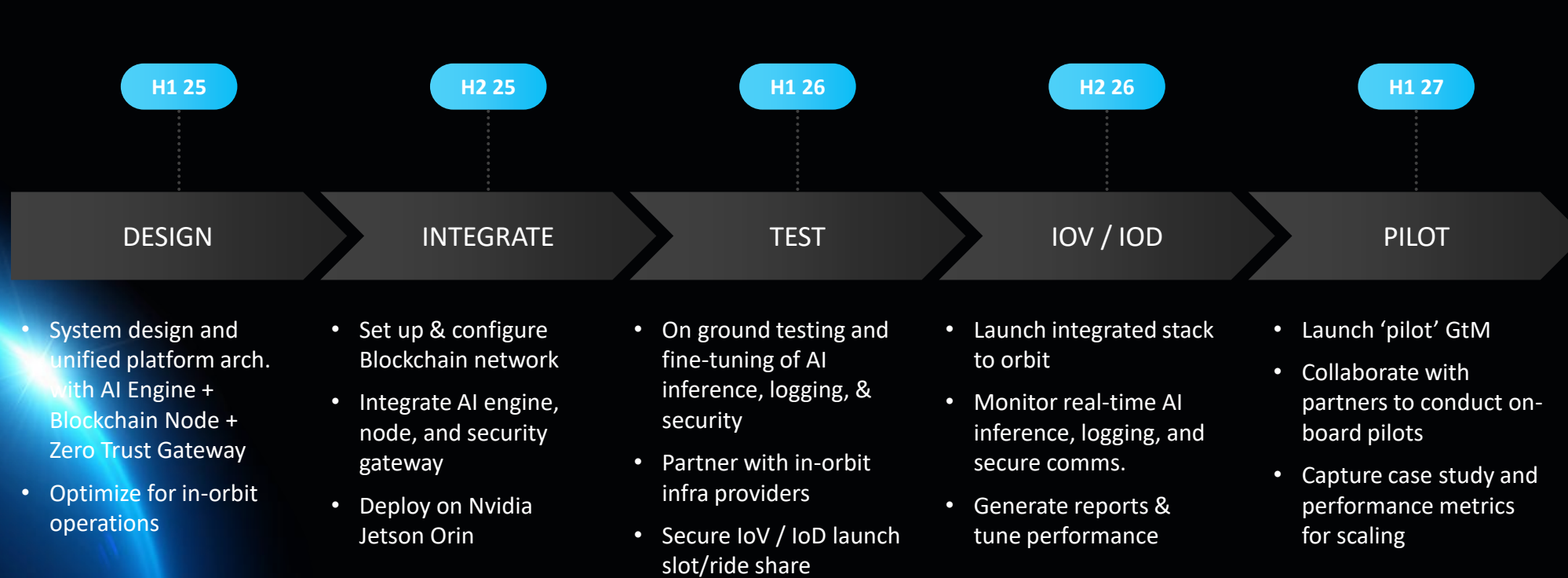
Ground-Based R&D

The tech stack—deployed on NVIDIA hardware—set up for hands-on R&D

In-Orbit Validation

The platform launched aboard a satellite / space station for in-orbit pilots and demonstration

OUR NEXT STEPS: RAISE SEED CAPITAL, COMPLETE ON-GROUND TESTING, AND CONDUCT IN-ORBIT VALIDATION & PILOTS ABOARD A SATELLITE OR SPACE STATION



Space Armour is an alumnus of the UK Space Agency's Accelerator Program, and a member of NVIDIA's Inception Program and the SSTL ecosystem





REACH US

Join us as we empower secure, autonomous,
intelligent operations for the Space age

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