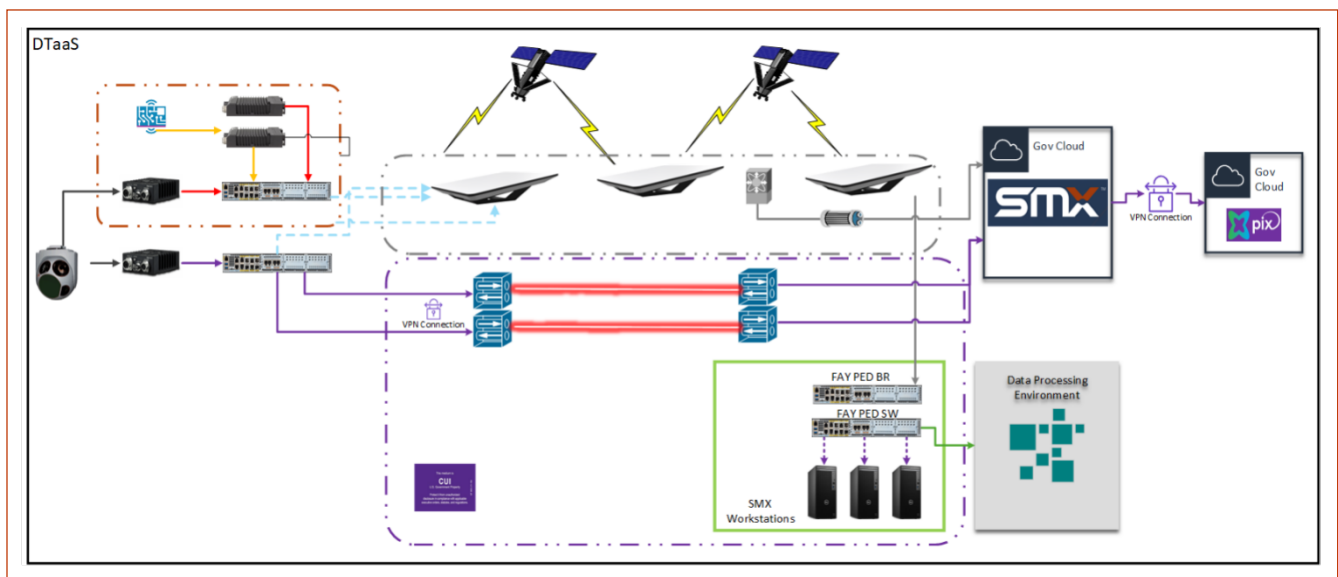# Data Transport as a Service (DTaaS)

Data Transport As a Service (DTaaS) delivers secure, resilient, and high-assurance data transport leveraging advanced commercial technologies, including proliferated Low Earth Orbit (pLEO) satellite constellations, and AWS Global Backbone infrastructure. Designed to meet the rigorous demands of government and defense operations, DTaaS enables the seamless transfer of mission-critical data between ISR platforms, Processing, Exploitation, and Dissemination (PED) nodes, cloud-based environments, and other vital information systems—including edge operations. Whether supporting large-scale datasets, time-sensitive intelligence, real-time sensor feeds, asset tracking and targeting, or Full Motion Video (FMV); DTaaS provides a validated, scalable, and mission-tailored solution optimized for operational continuity and decision advantage.
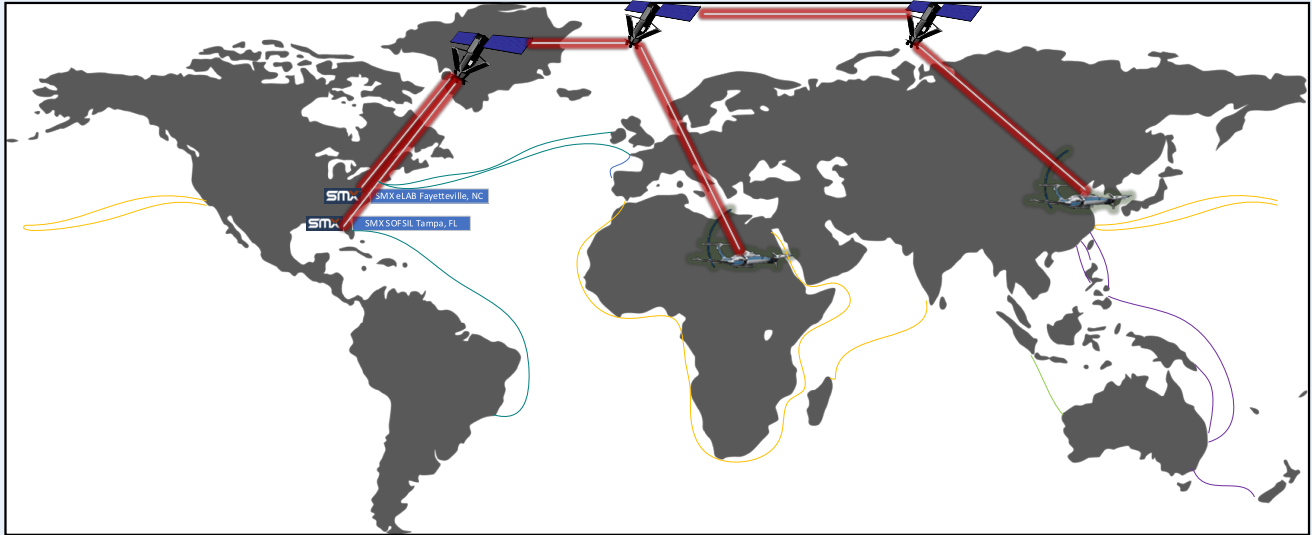
Core Capabilities

- High Bandwidth, Low Latency Data Transport: Increased network speeds and availability for CONUS and OCONUS operations utilizing cutting edge satellite transport technologies.
- Massively Resilient and Scalable: Rapidly scalable and deployable pre-configured, self-healing data connections for automatic failover.
- Military-grade Security: Point-to-point encapsulation and encryption with FIPS compliance standards.
- Bleeding Edge Optimization: Proprietary protocols designed for operational denied and degraded environments.· Seamless Integration: Optimized network learning for integration into on-premises, full cloud and hybrid environments.
- Proven Performance Results: Successfully deployed in AFRICOM and INDOPACOM supporting mission-critical operations· Compliance Governance: DoD IL4 and 5, DHS, Law Enforcement, PII and HIPAA.

Operational Impact

- Increased Operational Tempo: Increased data transfer rate of 26,976% from conventional satellite networks.
- Tactical Decision Advantage: Enable near real-time intelligence sharing across multiple domains, including partner nation sharing.
- Optimized Resiliency: Maintain connectivity in denied, degraded, and contested environments.
- Cost Efficiency: Reduce operational cost in infrastructure, service agreements and operational footprint, to include personnel and hardware.
- Rapid Deployment: Fully Operational Capable in days.
- Multi-Transport Prioritization and Utilization: Satellite transport and international fiber transport.

Proven Success

SMX has successfully implemented DTaaS capabilities in operational environments, including a data pipeline delivering near real-time Full Motion Video feeds, post-mission products, and ISR clips in a fully commercial environment. Using AWS bucket connections, secure tunneling, and multi-path routing, this solution ensures rapid transfer and timely access to critical intelligence across global networks.

Way Forward

- Aircraft fleet optimization in AFRICOM, INDOPACOM and SOUTHCOM.
- Central Data Repository for collaboration between Combatant Commands.
- Rapidly deployable tactical edge communication kits.
- Proprietary VPN for secure data transfer.

For more information, please contact: solutions@smxtech.com

SMX harnesses the transformative power of technology to achieve mission success as a leader in digital and mission solutions, specializing in secure and advanced cloud, ISR, cyber, data analytics, engineering, space, and IT solutions. Operating in close proximity to our clients across the globe, the SMX team has a shared vision to deliver scalable and secure solutions to assure outcomes for the critical missions of our Government and commercial clients.

Learn more about our current contracting vehicles: www.smxtech.com/contracting-vehicles

SMX® | Shared Vision.
Outcome Assured.®

smxtech.com