

United States Special Operations Command

PARTNERING TO DELIVER HUMAN PERFORMANCE TECHNOLOGY
FOR U.S. SPECIAL OPERATIONS COMMAND

The Sparta Science Platform enables leaders and practitioners to view performance data from a “single pane of glass” and facilitate faster, more data-driven decision-making.



MOVEMENT HEALTH PLATFORM PILLARS



SPEED AND SCALE

Whether movement screens or data connectors, our technology prioritizes efficiency, repeatability, and standardization.



INTEROPERABILITY

Sparta Science is designed for integration with an intelligent data catalog that understands the layers of Human Performance data and tracks relationships between raw sensor data, sampled data, and calculated metrics.



FEEDBACK LOOPS

Data feedback loops facilitate continuous improvement. One solution that gets better over time.



ONLINE OR OFFLINE SUPPORT

Sparta Science offers robust offline capabilities and supports paths for ATO to support modern initiatives for data-driven decision support.

SECURELY ACCESS COMPREHENSIVE PERFORMANCE DATA

Commercial Capabilities in a Highly Secure Environment

Positioned to be IL-5 accredited in Q1FY24 with data flows to other IL-5 data repositories, Sparta Science provides more than just data management. Advanced Machine Learning (ML) pipeline enables rich understanding of complex movement health data streams facilitating increased practitioner effectiveness and commander awareness.

Security & Compliance: TIME NOW: HIPAA, SOC 2 Type I, TAA. Q1FY24: IL-5 ATO



NEUROMUSCULAR DYSFUNCTION SCREEN

AFSOC SBIR Phase II Rapid mTBI Assessment Tool (RTAT)

Establish dynamic ML models trained to differentiate and classify injured balance signature from the existing data lake of the uninjured population without a benchmark. The deployable kit enables expeditionary medical staff to conduct balance scans of suspected injured patients in the field, indicating the degree of injury on a mTBI Severity Threshold (TST), for transmission to high-echelon medical for treatment and medevac decision support.

MULTI-SENSOR DATA INTEGRATION SPEEDS ANALYSIS

Data-Agnostic Platform To Support SOCOM-Wide Innovation

The platform ingests raw signal data from any force plate provider to archive, reprocess, and transform data into standardized metrics for further analysis, saving time and resources to enable scalable immediate and long-term insights.

HP teams use the commercial technology they prefer while future-proofing SOCOM performance analytics.

