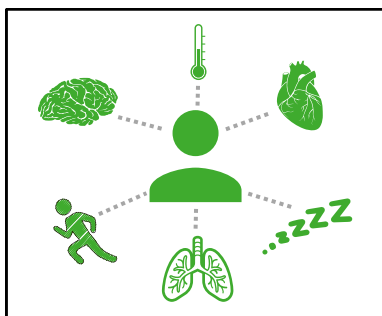


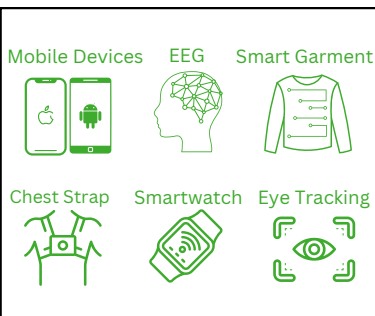
The Digital Twins Portfolio leverages real-time data with artificial intelligence and machine learning to generate insights about user and system states to **drive effective decision making** and **optimize health, performance, and operational readiness**. DI takes a hardware-agnostic approach to digital twins by using data from a wide range of sources, including physiological sensors, Internet of Things (IoT) devices, optical sensors, and passively collected data from sensors embedded in smartphones and tablets. DI's Digital Twins accurately reflect the reality and complexity of real-world systems, **fueling predictive analytics to close the loop between operator and system**.

Physiological Components




Understanding each person's unique state starts with a strong foundation in physiological responses that correlate to performance, behavior, learning, etc.

Biosensing Devices



Via varied biosensing devices, a collection of applicable physiological features are passively and simultaneously collected.

Biosignature Algorithms

- Operational Stress Index*
 - Thermal Strain
 - Objective Pain Index
 - Learner Engagement Index
 - Resilience
 - Fatigue
 - mTBI
- 

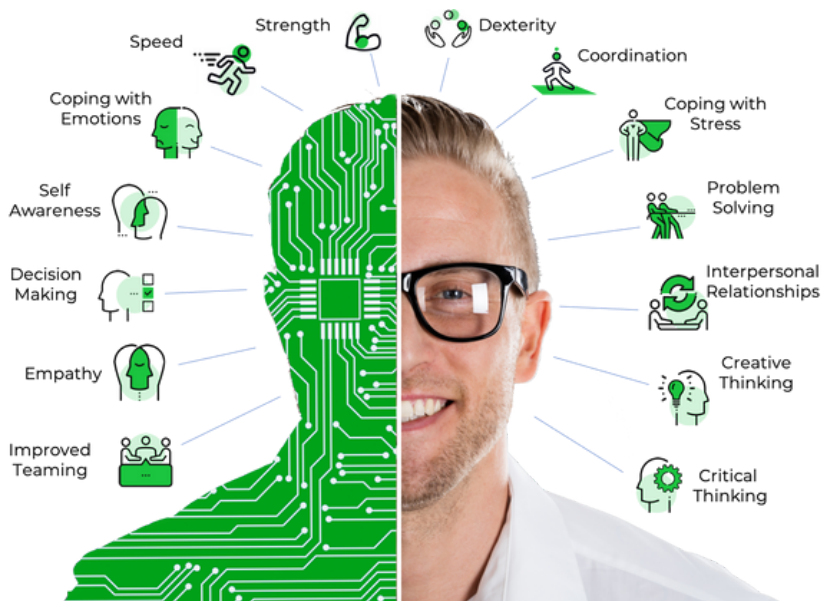
Biosignature algorithms create a comprehensive digital picture of behavior, physiological state, and individual patterns.

Technological Innovation



Custom mobile and desktop applications are developed to leverage biosignatures and support end users.

Empowered Humans



*US Patent 9,801,553

Developed products are leveraged across industries and sub-populations:
 military training and selection ♦ logistics and warehousing ♦ federal law enforcement
 special operations ♦ first responder ♦ commercial vehicle drivers ♦ veterans

