

FUSE SENSOR V5



Haptic Feedback



Ergonomic Monitoring



Real-Time Alerts



Decibel Sensor



Slip / Trip Auditory Alerts



Ambient Temperature



Humidity Sensor



Proximity Monitoring



VOC / Air Quality



24-Hour Battery Life

OVERVIEW

The FUSE Sensor is a next generation IoT device engineered to provide real-time, accurate safety data. The FUSE Sensor measures or calculates 25 different data points from its sensing chips every 80 milliseconds. Each data point contributes raw input to AI-based algorithmic calculations and actionable recommendations delivered via a real-time dashboard.

In addition, on-board computing power enables athlete-customized haptic feedback indicating high-risk potential with an on-body vibration or auditory indications. Along with other enhanced detection and delivery methods, haptic had proven to ensure 0-12 month (high-risk) employees behave at parity with the risk profiles of a 5+ year tenured worker.

TECH SPECS

- Nordic nRF52 Bluetooth
- WiFi - 2.4 GHz 802.11 b/g/n
- 128 MB flash storage
- 0.95" (Diagonal) OLED Screen
- 4.2" x 2.0" x 0.6" (L x W x H)
- 0.25 lbs
- 8 Pin - Data / Power
- 20 Hour Battery Life*
- Haptic Vibration Motor
- MIL-STD-810G
- IP55 – Water Resistant
- Multi-Directional Speaker
- RGB / White LED Interface
- 9-axis IMU Sensor
- Temperature Sensor
- Humidity Sensor
- Noise Sensor (dB)
- Barometer (height)
- Ambient Light sensor
- TVOC & Gas Sensor

END USER BENEFITS

- Real-Time Safety Status Info on Sensor
- Real-Time Data Streaming
- WBAN Hub Enabled for Peripheral Wearables
- Location Safety Data Integration to Beacons
- Real-time on-body Feedback & Training
- Ergonomic Safety Performance
- Heat Exposure
- Noise Exposure
- Respiratory Exposure
- Emergency SOS Outreach

FUSE SMART DOCK



Operational Efficiency



Automated Deployment



Real-Time Data Monitoring



Actionable Insights



Risk Identification



Proprietary Algorithms



Increase Worker Engagement



StrongArm Reporting

OVERVIEW

Our next generation Smart Dock has been built with a focus on the Industrial Athlete – and more specifically, direct communication. Our enhanced touch-screen tablet is capable of quickly providing worker-specific risk profile details, actionable insights, and recommendations for a safer work environments in addition to a seamless deployment pre-shift.

Data is critical to revolutionizing industrial safety and performance. As such, we've built a system that captures, stores and transfers information with speed, security and fail-safe back ups that exceed the highest standards in any category. StrongArm's Smart Dock is the hub of a complex and valuable FUSE Platform.

TECH SPECS

- Android Tablet Interface
- 7" (Diagonal) Touch Screen
- 16 GB Memory (Expandable)
- 25 Ports V5 FUSE Docking
- 22" x 10" x 2" (L x W x H)
- WiFi 2.4 / 5 GHz 802.11 b/g/n
- Bluetooth 2.4 – BLE / Classic / 4.0
- 5 External USB Peripherals
- Ethernet Support
- 6 lbs

END USER BENEFITS

- Automated Asset Tracking Management
- Direct to Athlete - Personalized Safety Data Display
- Scalable and Smart Athlete Surveying - Borg RPE
- Enhanced Athlete to Management Communication
- Smart - Device to User Assignment
- Efficient IT / Connectivity Management
- Cloud Enabled Device Management
- Improved Security Protocols
- Multi-Shift Device Share
- Add-on USB Accessories – Scanners, NFC Reader

FUSE PLATFORM



Decrease Safety Costs



Easy-to-Digest Analysis



Faster Issue Communication



Scalable



Data-Driven ROI



Cloud Engineering



Analytical Insights



Workforce Management

OVERVIEW

Every workplace is unique and comes with its own safety challenges. The FUSE Platform offers safety managers clarity and precision in LBI risk reduction. StrongArm FUSE integration is seamless, fast and minimally intrusive. StrongArm works closely with onsite managers to prepare a facility, train workers and implement the FUSE Platform.

In addition to monitoring and managing industrial athlete and environmental risks, new platform features are focused on providing organizations with enhanced human capital management solutions. With the introduction of “true fatigue” and safety risk metrics, we can ultimately drive the safest AND most productive outputs.

TECH SPECS

- As the world’s leading safety science company, StrongArm captures, analyzes and delivers actionable insights that drive worker safety and create enterprise value.
- By utilizing wearable tech and proprietary machine learning, we will work with our partners to develop and deploy the next generation of industrial safety equipment.
- The FUSE Platform is a reliable, robust, and scalable sensor platform that collects real time data to make smart, precise, decisions that enable safety and productivity
- The FUSE Platform includes modules for addressing critical business issues, including: ENGAGEMENT; REDUCTION; ONBOARDING; OPTIMIZATION; and STANDARDS.
- Modules are packed with useful features and tools that can provide daily value through risk reduction, time savings, workforce management, and real-time corrective action.