

# BioSCOUT

CONTINUOUS HEALTH MONITORING

## SOLUTION OVERVIEW



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**BioSCOUT** is the world's first continuous health monitoring system to screen for and detect 26 arrhythmias.

Arrhythmias are biomarkers for Heart Disease, which is the number one killer of Americans. Early detection is the key to the cure.

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### Revolutionary

**First regulatory-approved ambulatory device for continuous monitoring of pulse rate, heart rate, respiratory rate, SpO<sub>2</sub> plus detection of arrhythmias.** Available in watch (now) or band (2H-2026) formats and is suitable for 24/7 use. Unlike "wellness devices," it is legally allowed to be used for the detection and treatment of disease.

### Early Detection

**Continuous monitoring** supports the earliest possible detection of disease. For example, BioSCOUT can detect a single arrhythmia event out of 70,000 daily heartbeats. The chances of detecting one event using spot checks during a physician visit is near zero. Early detection provides the best chance for cure at the lowest cost.

### AI Roadmap

**Accurate core vitals** are the key to developing AI algorithms for physiological anomalies. Continuous measurement over long periods are required for AI data depth. BioSCOUT delivers both for the first time. Arrhythmia detection is approved. COPD, CHF Exasperation, and Sleep Apnea are now in clinical trials.

### Military Roadmap

**Secure & ruggedized** version is in development for 2H-2026 release. Features include end-to-end DoD-approved secure data flow, RF-silent mode to limit enemy tracking, and BATDOK integration for battlefield medics. Development of AI algorithms for human performance monitoring will begin in 2027.

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## SYSTEM COMPONENTS



### HUMANiz Band

**Wrist-worn FDA-cleared Class-II** medical device. Accurate continuous monitoring of pulse rate, heart rate, respiratory rate, SpO<sub>2</sub>, and arrhythmia detection. Blood pressure and core temperature regulatory approvals in process (2H-2026). Sleep Anea, CHF, and COPD detections are in clinical trials.



### LIFELin App

**User mobile app** securely collects HUMANiz data for additional AI analytics in the LOCALiz cloud. Includes RF-silent operating mode for battlefield use. Integration with BATDOK mobile app planned for 2027.



### LOCALiz Cloud

IoT cloud platform for data aggregation, analytics, and OTA device updates. LIFELin and BATDOK mobile apps report to LOCALiz which interfaces Bulzī's ENLITN AI training module and to other cloud systems via APIs.



### About Bulzī

Bulzī ("bull's-eye") is a pioneer and a leader in applying AI to Internet of Things (IoT) devices.

The company's technologies were originally developed for the commercial market and focused on using IoT sensors to detect smartphones as a proxy for people. It has adapted them to support situational awareness and health safety in military and civil government markets.

Bulzī qualifies for SBIR Phase-III Federal agency contracting advantages, including sole-sourced contracts without competitive bidding.