

GODSEND™ PHYSIOLOGICAL MONITORING SYSTEM

Know the status of your people.

Fenix Group's Godsend™ is a non-invasive Physiological Monitoring System allowing the wearer unimpeded mobility.

Godsend™ integrates CORE's wearable body temperature sensor and Garmin® tactix® smartwatch's respiration and cardiac sensors with an intuitive interface for remote monitoring. Using Bluetooth technology, Godsend™ visualizes wearer vitals through Android Team Awareness Kit (ATAK)-CIV for continuous Situational Awareness (SA).

The Godsend™ app is loaded on a Garmin® tactix® smartwatch and loaded and paired with ATAK-CIV on an Android smartphone End User Device (EUD).



REMOTE MONITORING

Integrated Real-time SA with No Cognitive Burden

- Wireless monitoring by smartwatch and body-worn sensor, no interference with wearer systems or mobility
- Heart rate: constant beats per minute (bpm), daily Resting Heart Rate (RHR), abnormal heart rate alerts
- Pulse ox saturation %
- Respiration (breaths per minute)
- Core body temperature: Fahrenheit or Celsius; accurate despite ambient thermal conditions
- Periodic automatic data transmission; data upload indicator
- Cursor on Target (CoT) live tracking via ATAK-CIV
- Via EUD connection over WiFi, Bluetooth, 4G/LTE, 5G

BIOMEDICAL SENSORS

Wireless Connectivity Communicates Vitals

The ability to monitor health data remotely provides an important addition to situational awareness data sets. Knowing the status of your people allows mission leaders to make battlefield decisions confidently and for maximum effect. Capturing and interpreting vitals on your forces enhances the ability to provide life-saving support when needed, without waiting for a verbal report that a health emergency exists.

Godsend™ outfits warfighters with sensors (smartwatch and body-worn) to generate meaningful data about their location and physiological condition, with no wearer intervention or interaction required. This equips commanders to better support warfighters to improve the survivability and mission success.

Battlefield sensors, even body-worn sensors, and data collection are not novel. Godsend™ is novel because it integrates data generation, communications, remote monitoring, data aggregation, and data visualization in a single system.

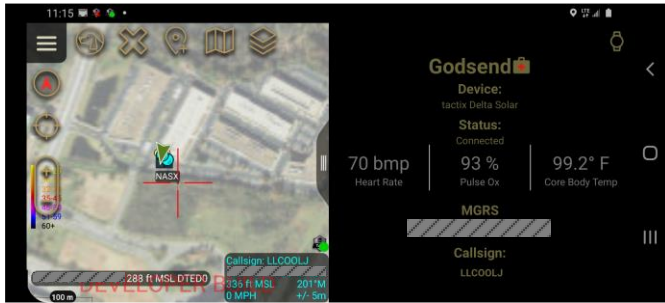
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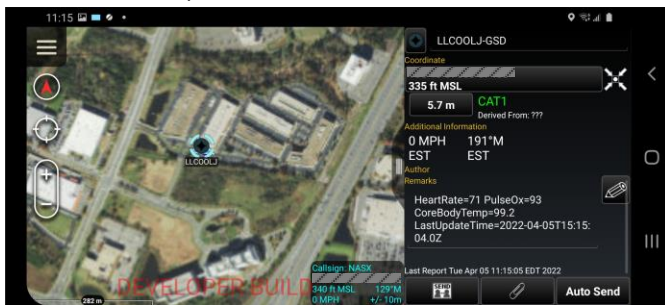
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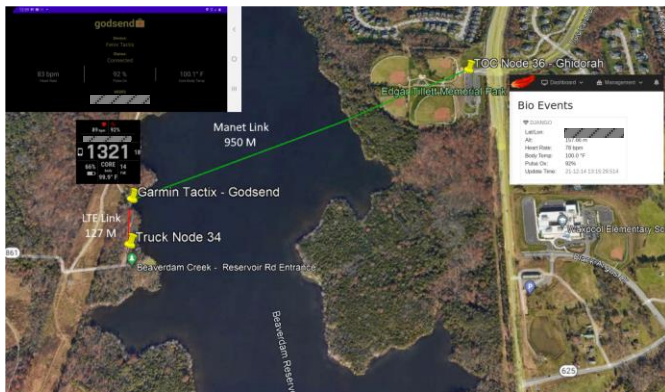
Remote Monitoring of Wearer Vitals



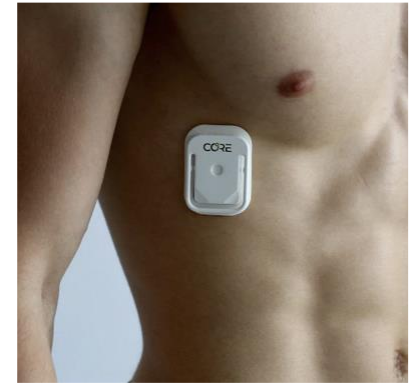
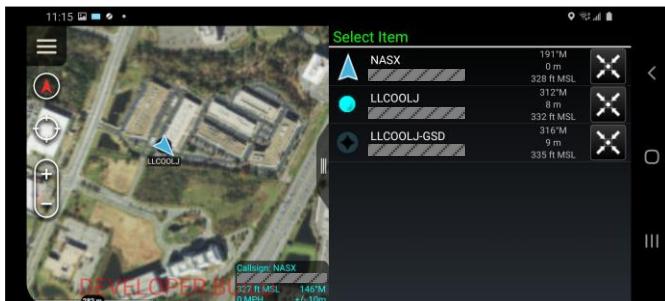
Precise Location, CoT with Vitals



Click to Select Wearer to View Vitals



View Multiple Wearers in ATAK



DESCRIPTION

- Android Package Kit (APK) developed by Fenix Group, Inc.
- Operates on Android 8 (Oreo) or later
- Compatible with ATAK-CIV

FUNCTIONS

- Generates and broadcasts a Cursor on Target (CoT) message
- CoT marker (CALLSIGN) displayed as a sensor with a default marker
- Last update time displayed in CoT remarks
- Compatible with Fenix Group networks

FEATURES

- Location tracking, position coordinates in Military Grid Reference System (MGRS)
- Watch battery status indicator
- Connection status indicator
- Data upload indicator
- Built to MIL-STD 810 (watch)
- Reports wearer vitals: heart rate, O₂ sat, respiration, core body temperature



