



# **Blueforce Solutions for Remote Medical Monitoring**

Remote Medical Sensor Fusion, Securely Shared, Enabling Distributed Monitoring and Minimizing Physical Contact

Remote medical monitoring allows health providers and data scientists to monitor disease and symptom progression remotely and engage with patients virtually. Blueforce's connected monitoring technology is uniquely qualified for disease monitoring and progression during a pandemic such as COVID-19 as it allows first responders, field medics and others to remotely monitor symptom progression using digitally connected, non-invasive devices from an array of commercial off the shelf sensor products. Our products are extensible through the use of software plugins and have been used to normalize a wide range of physiological markers to include: heart rate, respiration, calculated body temperature, blood oxy-genation, internal core body temperature (via implants), galvanic skin response, ECG, and more. Running on Zebra rugged mobile devices helps ensure data is communicated quickly and securely to authorized users.

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### **Operational Capabilities Include...**

- Extensible, multi-platform IoT fusion engine
- Fuses 1:N number of body worn & proximate sensors
- HIPAA compliant per crypto, PII, and unique IDs
- Fuses location, signal, and position and motion
- Catalog of off-the-shelf physiological sensor plugins
- Interoperable with ERP, databases, and cloud IoT solutions
- 1:1 chat messaging and mass broadcast messaging
- Built for the field; interoperable for multi-agency use
- Mature, enterprise ready solution with enterprise controls



## **Total Tactical Awareness of People, Sensors, and Services**

The Blueforce product platform is the next generation edge-based mobile IoT fusion suite that embraces and extends the last tactical mile vertically and horizontally. This allows all members of a team, whether human, Al or platform, to be current regarding real-time events and information while using Zebra rugged mobile computers and tablets running Android, Windows, or HTML5.

### **Speed of Swarm**

Blueforce enables "speed of swarm" through the "stand-up" and "tear-down" of secure human, command, and sensor networks.

### **Secure**

Information security at rest and in transit using military grade FIPS 140-2 certified cryptography for authentication and encryption.

### **Sensor Sharing**

People are more than a point on a map. Blueforce extends body worn sensors for shared biotelemetry, CBRN, signal, and PPE.

### **Edge-Based Processing**

Flexibility to process data serially or in parallel at the sensor head, on the gimbal, on the Zebra mobile device, or in the cloud.

### **Extensible, Plug-in Platform**

Blueforce provides a future proof plugin architecture which enables the ability to leverage both legacy and future IoT sensors.

### **Data Flow**

Movement of data and information amongst nodes to and from external systems for serial and parallel processing and consumption.

For more information, visit www.zebra.com/public-safety



Blueforce Development Corporation 38 Merrimac Street Newburyport, MA 01950 www.blueforcedev.com Phone: +1.866.960.0204



NA and Corporate Headquarters +1 800 423 0442 inquiry4@zebra.com Asia-Pacific Headquarters +65 6858 0722 contact.apac@zebra.com **EMEA Headquarters** zebra.com/locations contact.emea@zebra.com

Latin America Headquarters +1 786 245 3934 la.contactme@zebra.com