

# blueforce

## APPLICATION USE CASE

### BLUEFORCE TACTICAL FOR RAILWAYS

Surveillance, Quick Reaction, and Mitigation



#### Overview

There are many dangerous jobs, but few people face as many dangers as railroad workers. From train-related injuries to track construction accidents, railroad employees are subject to numerous potential hazards in their daily work. In addition to typical injuries suffered in accidents, such as broken bones and back injuries, railroad workers are often exposed to dangerous chemicals that can cause disabilities over time.

Blueforce Tactical (BTAC) can contribute greatly to the health, wellness, and safety of railroad workers. BTAC provides for tracking of workers and can be extended to support person-attached chemical, environmental, and life safety machine sensing. The product also provides a secure means to share information between those in the field, and those at centralized locations.

#### Competencies

- Full situational awareness of deployed resources to include tracking and geofencing.
- Rapidly formed tactical decision support networks.
- Sensor integration, normalization, and interoperability.
- Secure information sharing.

#### Application Use Case Details

- Common Operational Picture: BTAC delivers a means to leverage Commercial Off The Shelf (COTS) technology for centralized monitoring of deployed human and capital assets.
- Locations Services: BTAC for the tracking and location of deployed resources leveraged as a life safety or resource allocation tool.
- Life Safety: Leveraging the organic accelerometer and gyroscope functions of modern Smartphones to determine health and movement of the user.
- Geofence: Extend BTAC to include support for geofencing, where notifications can be sent to an enduser when there is an approaching train or other railroad asset.
- Panic: Three digit code to arm and disarm "panic" alarming for when enduser is hurt or in distress.
- Information Sharing: Ability to share maps, floor plans, and/or pictures taken at a site or critical incident.
- Real-time Biotelemetry Monitoring: Life safety awareness provided by any number of person-worn biotelemetry sensors to include heart rate, body temperature, pulse ox, ECG, and respiration.

*For more information, please contact:*

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