blueforce development

PRODUCT DATA SHEET
BLUEFORCE TACTICAL

Integrated location, sensors, and AI made sharable using Blueforce's dynamically composable, adaptive, and goal-driven IoT mobile edge compute software platform

BlueforceTACTICAL (BTAC) obliterates traditional information stovepipes by fusing real-time human and sensor data from multiple modalities, collapsing the distance from sensor to analyst to responder, and accelerating recognitional decision-making by widening the decision-maker's aperture to greater numbers and types of sensor inputs. BTAC is field proven and enables operators to extend their capabilities, share information horizontally, and swarm faster than their adversaries by communicating with devices that are installed at fixed locations, carried, mounted on manned and unmanned systems, or worn on the body.

Speed of Swarm

Dynamic human and sensor discovery, sensor-queuing, and hyperlocal alerting to anticipate phase transitions and emergent threats. Form cross-boundary and cross-domain, confederations of teams, sensors, and services in seconds.

Horizontal Fusion

BlueforceTACTICAL provides self synchronization amongst subscribed human, sensor, and information service endpoints. It breaks stove pipes by fusing data from multiple modalities and then makes it sharable via a single stream of synchronized data.

Agile Extensibility

Field operations are fundamentally non-predictive. Blueforce allows rapid adaptation in the field by allowing the operator to enable and disable capabilities on the fly. Our open APIs enable rapid development of software plugins for new sensors and services.

Forward Sensor Fusion with Edge-Based Processing

OS	Android 6.0 or higher
CPU	1Ghz or better
MEMORY	60MB for core application and base plugins
STORAGE	Use case dependent; 100MB recommended
DISPLAY	800 x 480 minimum
COMMS	256Kbps or faster TCP/IP connection for basic operation; 1Mbps or faster if leveraging ISR/video feeds.
ACCOUNT	XMPP/Jabber account for WAN and LAN communications. Blueforce is optimized for OpenFire XMPP switch.

Tactical Presence

Location, network location, device health, and enduser status fused and self-synchronized to provide complete awareness of every endpoint.

Horizontal Fusion

Move information fast! Text and chat securely while also sharing pictures, map and GIS data, processed sensor, and other mission data.

Rapid Adaptation

BlueforceTACTICAL provides a future proof plugin platform for sharing of sensors, information services, and bi-directional data streams.

Location Services

BTAC provides a location API and supports native GPS location sharing for outdoor use and inertial navigation sensors for subterranean use.

FIPS 140-2 Security

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

Sustainable and Future Proof

Blueforce builds software for sustainability. Contemporary development practices, one code base, and a support organization to back it up.

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To learn more and request a demo visit:

www.blueforcedev.com