

PRODUCT DATA SHEET

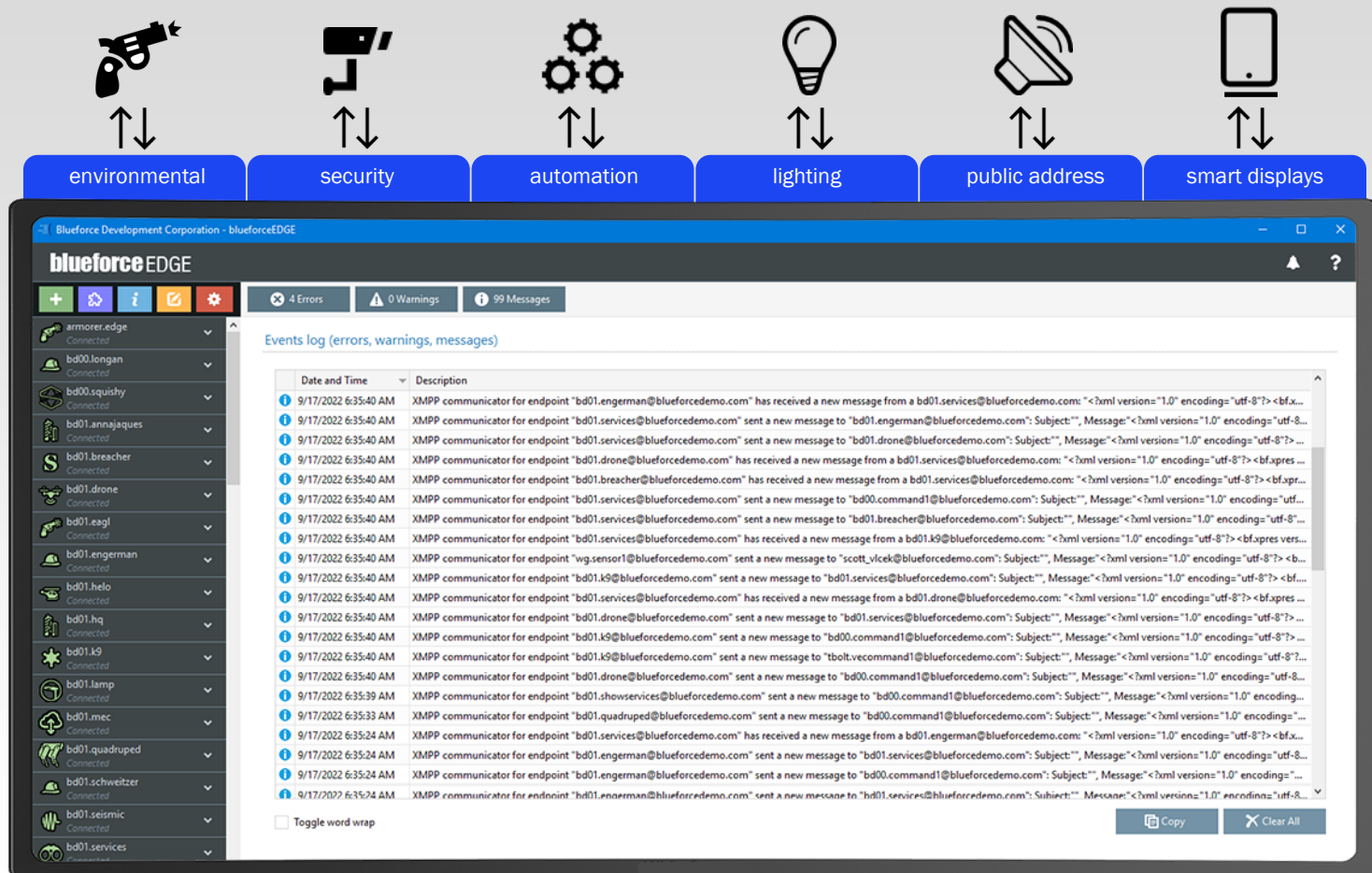
BLUEFORCE EDGE

Autonomous mobile edge compute software for IoT sensor and AI fusion

Increasingly sophisticated and pervasive IoT sensor technology presents the opportunity for agencies and organizations to extend their capabilities, share information horizontally, and swarm faster than their adversaries, by communicating with and leveraging IoT devices that are installed at fixed locations, carried, mounted on manned and unmanned systems, or worn on the body. BlueforceEDGE is an autonomous IoT data fusion software platform and gateway that uses edge-based processing to accelerate recognitional decision-making by fusing unattended sensors & devices, artificial intelligence (AI) & analytics, and for interoperability with external data stores. BlueforceEDGE is built on a services oriented architecture and uses composable services which optimize forward sensor fusion providing automated cueing and higher confidence of assessments than could be obtained from single sensor instances or modalities.

BlueforceEDGE Benefits...

- Rapid adaptation through a documented BlueforceEDGE Plugin API and SDK
- Bidirectional chat interfaces for authentication and control of autonomous endpoints
- Secure and autonomous publish/subscribe interfaces for rapid swarming
- Interprocess messaging interface for plugin-to-plugin communications for speedy sensor cueing
- Native REST/JSON interfaces exposed through an API for listener and publisher interfaces in BlueforceEDGE plugins
- Plugins may be configured for use as sensor ingest/query, self-contained services, and/or interoperable data streams



BlueforceEDGE: Multi-Sensor Fusion, Cueing, and Orchestration

Supporting 400+ sensors and AI from 125+ manufacturers with an open API/SDK

Sensor Fusion

Blueforce eliminates silos of sensor and IoT data, enabling sense-making by leveraging multiple sensors for recognition support.

Sensor Cueing

Blueforce enables sensors from different manufacturers to “instruct” each other to perform actions that lead to better and faster outcomes.

Autonomous Orchestration

Once a threat or opportunity is “recognized” Blueforce can coordinate action to include workflows, messaging, and content triggering.

FIPS 140-2 Security

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

Rapid Adaptation

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

Sustainable and Future Proof

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



To learn more and request a demo visit:
www.blueforcedev.com