CASE STUDY: Blueforce Development
Arming Response Teams With Mobile Streaming

In hazardous work environments and military operations, timely delivery of information can be a matter of life and death. The BlueforceTACTICAL mobile app recently launched the Wowza Streaming Plugin to equip frontline users with live-streaming video integrated with location, incident collaboration, and sensor fusion — all via their smartphone.

CHALLENGE
- Create low-latency streaming bodycams for use in military and hazardous environments.
- Deliver stream analytics tools and a suite of cognitive services.
- Minimize equipment complexity and ensure quick adaptation.

SOLUTION

WOWZA STREAMING ENGINE™

OUTCOME
- Achieved sub-2000 millisecond latency, with 500 millisecond latency to be offered in the near future.
- Increased speed of command on the front line.
- Deployed the platform as a mobile app requiring no additional equipment.

Designing Technology to Transform the Defense Industry

Streaming isn’t just for Netflix. It also plays a key role in military operations, law enforcement, emergency response, and occupational safety. Today, these emergency scenarios involve onsite and offsite individuals communicating in real time. But how can agencies ensure speedy and accurate collaboration when it matters most?

Michael Helfrich created Blueforce Development in 2005 to enable real-time information sharing that goes beyond radio communication. Closing the gap between team members and commanders required conveying the immediacy of a specific situation through all means possible.

"Just-in-time streaming video is one of the major requirements for rapid decision-making as commanders and responders can go ‘eyes-on’ and truly see what’s going on," explains Helfrich. "Location if good. Awareness of the surrounding is better. But seeing is believing."
"We looked at several solutions in the streaming media space, but went with Wowza because of the portability, manageability, and broad array of protocols. Most importantly, the focus on low latency is mission-critical for our customers."

—Helfrich