Information Sharing for Field Operations

Front-line personnel need **interoperable tools** to quickly detect, respond to, and **share information** about threats across organizations to support **real-time tactical** operations.

National Laboratory Contributions

- Visual interfaces for computationally intensive analysis on mobile devices to support analysis in the field

- Capturing and sharing of text, image, audio, and video, information in the field, and integration with existing data stores

- Field-tested tactical applications that scale from hand-held devices, to desktop PCs, to large collaborative displays

- Open architectures that support remote data access across hand-held device

- Portable and distributed analytic and collaboration tools that operate across platforms and providers, and that integrate with existing networks

- Modeling and visualization of critical events and crowd movement on hand-held devices

- Detection of topical, temporal, and geographic patterns in real-time data

- National Visualization and Analytics Center™ connects university, industrial, and government technology providers and consumers

Capabilities

Deployable, systems for mobile and command-center environments:

Mobile software applications

- Context-appropriate visual interfaces for information discovery

- Real-time Information sharing with integrated analytic tools that help make sense of complex data quickly

Web-based command-center and analytic interfaces

- Integrated query and analysis reveals hidden relationships in distributed, multi-format data

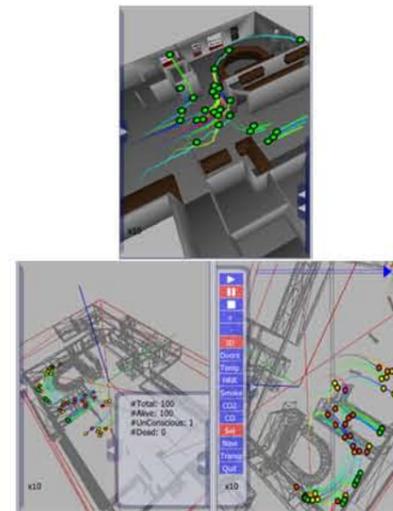- Visual dashboards to provide rapid insight from complex data

Asset tracking and notification

- Real-time personnel mapping and asset allocation

- Notification systems push relevant new information to users, based on interest and location.

Collaborations

- DOE National Laboratories
- Center for the Study of Terriorism and Responses to Terror
- Rutgers University, Purdue University, Penn State University
- Automated Regional Justice Information System, San Diego
- Port Authority of New York and New Jersey
- Washington State Fusion Center
- INTUIDEX, Inc.

Science-Based Solutions for Homeland Security