

Effective Technology Solutions for Public Safety

Systems and Data Integration in Public Safety

It's an all too common problem. Public safety information systems do not produce needed results due to outdated technologies or stand-alone systems that are unable to "talk" to each other. Fire departments, police departments, emergency response agencies, and dispatch centers shouldn't have to compromise on their supply of quality information simply because it is stuck in an inaccessible format or system. Agencies need to make their data "interoperable," but how can this be achieved without replacing everything?

PURVIS – PUBLIC SAFETY IT INTEGRATION EXPERTS

Purvis specializes in integrating new and legacy technology, applications and systems, allowing public safety organizations to perform at their highest capacity. Leveraging our deep understanding of the business processes and critical communication flows that support emergency response, we work closely with our clients to preserve existing IT assets, while making them work effectively with one another so responders have the information they need to act quickly and accurately. Purvis has a deep bench of project managers, software engineers, hardware engineers, integration staging and testing facilities, and technical implementation specialists to make light work of even the most complex integration project.

As an example, Purvis developed a dedicated Voice over Internet Protocol (VoIP) Fire Station Alerting System that provides city-wide communications between dispatch/control center personnel and responding units. The system reduces response times, enhances communications, gives immediate and relevant access to data related to public safety that sits in multiple systems and databases, and helps to streamline operations. Purvis designed the environment to deliver automated visual and audio alerts to multiple zones, ensuring the intended recipients receive all appropriate information. The system also provides remote device control at the station such as turning off ovens, opening garage doors, activating lights, bells, sirens, etc.

"PURVIS SYSTEMS TECHNOLOGIES AND AROUND-THE-CLOCK IMMEDIATE TECHNICAL RESPONSE ENSURES THAT THE FIRE DEPARTMENT OF NEW YORK IS ABLE TO PROVIDE ALL THE NECESSARY LIFE SAVING SUPPORT TO THE CITIZENS OF THE CITY."

- ROBERT L. SCOTT
DIRECTOR
BUREAU OF FISCAL SERVICES
FIRE DEPARTMENT OF NEW YORK



MULTI-LEVEL INTEGRATION

Integration and interoperability can occur at multiple levels and Purvis has expertise across the stack. We can normalize data from multiple sources so a single downstream system can make sense of it all; we can implement a services oriented architecture to ensure that future changes and functional additions to the system can be incorporated quickly; and we can design custom user interfaces so disparate but time-sensitive information can be quickly correlated and decisions made.

PURVIS SYSTEMS

PURVIS IN ACTION

- Developed and implemented a custom CAD interface that allows the exchange of data between NY's disparate fire and police CAD systems
- Developed, installed and maintain a custom middleware application for FDNY to integrate FDNY operations, City-Wide Emergency Operations, and 250 fire houses throughout City of NY.
- Deliver integration services to the National Institute of Health (NIH) to improve data sharing across multiple alarms, security and communication systems.

A Full Service Approach

Though Purvis' approach embraces industry standards and best practices, we specialize in custom integration and custom development work that meets the unique needs of our customers. To ensure the uptime of public safety communications and alerting systems, we offer on-going support and maintenance. For example, Purvis provides 24/7/365 support for a wide array of IT equipment and software that support the Fire/Police Dispatch Communication Office, Public Safety Answering Center, Voice Alarm System tied to FDNY's Starfire CAD system, and more. We have working relationships with hardware vendors, telcos, software tools providers, and other vendors commonly operating in the public safety sector, which streamlines our ability to solve problems for our customers.

Like our solutions, or support offerings can be customized to individual need.

Making Consolidation Work For You

We know that many town, municipal, county and state based public safety organizations are under financial stress and active regional consolidation programs are underway. Purvis' ability to ensure data and system interoperability as you work toward a more centralized approach can ensure that your responding units can make good decisions, quickly, and preserve the high-level of quality in your fire, police and emergency service that you are accustomed to providing.

ABOUT PURVIS

Purvis has over 35 years of experience delivering custom technology and communications systems and services to government and public safety organizations, including the Fire Department of New York City (FDNY), the U.S. Navy, the National Institutes of Health and multiple fire departments and emergency response organizations.