Purvis Incident Management and Control System (IMACS)

Join the growing number of public safety agencies turning to PURVIS Systems for information management solutions. PURVIS Systems is an experienced, trusted systems provider to the public safety, emergency management, and defense industries nationwide.

PURVIS’ Incident Management and Control System (IMACS) offers a web-based, 3-tiered interface enabling public safety organizations to track, share and manage real-time emergency and incident information over a secure wide-area network. The IMACS system offers the following benefits:

- Enables immediate response. Provides real-time information to notify, track and assess first responder actions in parallel with the unfolding tactical situation
- Interoperable. Data system provides effective communication between first responders, and simplifies mutual aid requests/responses from other agencies and communities
- Optimizes operations. Operational effectiveness is enhanced with performance planning, analysis and replay using IMACS’ powerful modeling and simulation platform
- Accessible and flexible. Secure, web-based system with flexible ways to view, manipulate and store relevant incident information
- Open and expandable. Open system services-based architecture to facilitate integration and expansion
- Notification capable. Integrates with PURVIS Emergency Notification System™, enabling organizations to manage an incident and seamlessly notify people directly from a single application.

SERVICE & EXPERIENCE

The PURVIS team takes pride in getting to know our customers and their unique needs. We understand the solutions we provide are used in life-safety environments. As such, PURVIS is committed to meeting or exceeding our customers’ expected levels of service performance. PURVIS offers decades of in-depth experience with emergency management and information management. With our deep experience and dedicated staff, you can be assured PURVIS will deliver a solution to meet your current and future needs.
• Supports industry-wide communications standards:
  • National Information Exchange Model (NIEM)
  • Common Alerting Protocol (CAP) v. 1.1
  • National Marine Electronics Association (NMEA)
  • FEMA ICS forms
• Intuitive graphical interface
• Integrates with Automated Vehicle Location (AVL) devices for real-time asset tracking
• Offers built-in simulation controls
  • Inject simulated information for training purposes.
  • Record and play back real incident information for training/after action review
• Automatically generate and update incidents
• Chronological incident history
• Control incidents and receive incident updates via email and SMS text messages
• Enhanced mapping
  • Based on Google Maps® platform
  • Real-time asset plotting
  • KML export feature
  • Attach external files to an incident
• Flexible data mining and report generation capabilities

Case in Point - Project UPSIDE

Project Undersea Perimeter Security Integrated Defense Environment (UPSIDE) is an underwater detection system for addressing threats posed by divers, swimmers and a variety of undersea vehicles. PURVIS' IMACS is a key component of UPSIDE, providing real-time situational awareness and control when responding to an underwater incident.

OVERVIEW:
• Project sponsored by the Office of Naval Research
• Provide an integrated, inter-operable test bed environment to evaluate undersea sensor systems in an end-to-end security system
• Provide a simulation environment with realistic operational conditions and scenarios supporting mission rehearsal, execution and assessment
• Provide an undersea perimeter defense systems operated in either stand-alone mode or integrated into a comprehensive maritime defense system

PURVIS' ROLE IN UPSIDE:
• UPSIDE First Responder System (UFRS)
  • Based on IMACS technology
  • Crisis management
  • Coordinate first responder defensive response
  • Asset availability
• Systems Engineering Support
  • Requirements definition
  • System design
  • Framework development & integration
  • Scenario development

PURVIS has more than thirty years experience serving demanding clients with high standards and requirements for quality, service and support.

PURVIS IS PROUD TO SERVE:
• New York City Fire Department (FDNY)
• U.S. Navy
• National Institutes of Health
• American Red Cross
• Numerous fire departments across the U.S.

We have a reputation for targeting and achieving the highest level of customer satisfaction, providing high-quality systems and delivering excellent support.

TAILORED TO FIT YOUR NEEDS, OUR MARKET-LEADING SERVICES INCLUDE:
• Systems Integration
• Technology Consulting
• Software Development
• Hardware Development
• Field Services
• Engineering Services
• Fire Station Alerting
• Defense Expertise