

## Core Capabilities:



**ANALYSIS AND DECISION SUPPORT**



**EMERGENCY MANAGEMENT  
PLANNING & OPERATIONS**



**HUMAN CAPITAL AND  
ORGANIZATIONAL DEVELOPMENT**



**INFORMATION TECHNOLOGY**



**TRAINING AND EXERCISES**

Founded in 2008, Dynamis is an elite consulting firm that provides high end solutions to complex challenges and opportunities for senior decision makers. We do this by developing and implementing emerging and proven tools and techniques to empower leaders in the public and the private sectors.

### **DIVERSE NORTH AMERICAN INDUSTRY CLASSIFICATION CODES (NAICS)**

- ✓ R&D in Physical, Engineering, and Life Sciences (541712)
- ✓ Security Consulting Services (541690)
- ✓ Engineering Services (541330)
- ✓ Custom Computer Programming Services (541511)
- ✓ Educational Support (611710)
- ✓ Administrative and General Management (541611)
- ✓ Human Resources (541612)
- ✓ Marketing Services (541613)
- ✓ Management Consulting (541618)

### **DIVERSE CLIENTELE**

- ✓ Defense Threat Reduction Agency (DTRA) J3/J7, J9, J10
- ✓ DHS Science & Technology Directorate Plum Island Animal Disease Center
- ✓ DHS National Programs and Protection Directorate (NPPD)
- ✓ U.S. House of Representatives
- ✓ Federal Emergency Management Administration (FEMA) CBRNE
- ✓ Port of Tacoma Maritime Transportation Disaster Recovery Exercise
- ✓ Night Vision and Electronic Sensors Directorate (NVESD)
- ✓ Office of the Secretary of Defense, Office of Net Assessment
- ✓ Unexploded Ordnance Center of Excellence (UXOCOE)
- ✓ TACOM
- ✓ Air National Guard Emergency Management
- ✓ Belgium Ministry of the Interior, Health, Police
- ✓ Brazil MoD CTEX - CBRNe



**DYNAMIS**

# CORE CAPABILITIES



## ANALYSIS & DECISION SUPPORT

- ✓ CBRNe Decision Support Tools
- ✓ Big Data Solutions
- ✓ Business Case Development
- ✓ Data Warehousing
- ✓ Meta-Data Analysis and Management
- ✓ Modeling & Simulation
- ✓ Net Assessment
- ✓ Visual Analytics



## EMERGENCY MANAGEMENT PLANNING & OPERATIONS

- ✓ CBRNe / HAZMAT Training and Exercises
- ✓ Preparedness/Mitigation
- ✓ Modeling and Simulation
- ✓ Public Outreach and Education
- ✓ Risk and Vulnerability Assessment



## HUMAN CAPITAL & ORGANIZATIONAL DEVELOPMENT

- ✓ Change Management
- ✓ Competency Development
- ✓ Executive Leadership Coaching
- ✓ Organizational Assessment & Redesign
- ✓ Process Analysis & Redesign
- ✓ Strategic Planning & Implementation



## INFORMATION TECHNOLOGY

- ✓ Application Design & Development
- ✓ Database Management
- ✓ Enterprise Architecture
- ✓ Strategy Development & Implementation
- ✓ Systems Operations and Maintenance
- ✓ Technology Analysis & Assessment
- ✓ CBRNe Response Support Tools
- ✓ Sensor System Integration and Dashboard Display
- ✓ Certified Microsoft Product Developer
- ✓ Certified ISO/IEC 27001 Information Security Management



## TRAINING AND EXERCISES

- ✓ CBRNe Training and Exercise
- ✓ Classroom / Synchronous / Instructor led
- ✓ Distance / Asynchronous / Independent Study Training
- ✓ Training & Exercise Program Development
- ✓ Technology Enabled Training & Exercises
- ✓ Training Management & Evaluation
- ✓ HSEEP/ICS



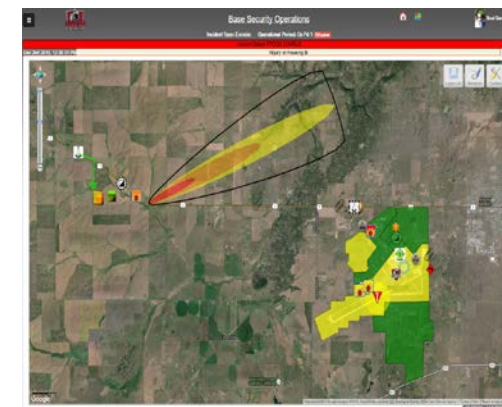


# TRAINING, EXERCISES AND EVENT SUPPORT

Dynamis designs and delivers integrated training and exercise programs to meet specific outcomes or key performance indicators related to core competencies. Our proven training and exercise development processes allow us to design and produce high-quality programs under short suspense. Our training and exercise programs are designed to ensure that participants actively develop functional knowledge.

Our services include:

- CLASSROOM / SYNCHRONOUS / INSTRUCTOR – BASED TRAINING
- DISTANCE / ASYNCHRONOUS / INDEPENDENT STUDY TRAINING
- SPECIALIZED TRAINING
  - FIRE SUPPRESSION
  - EMERGENCY MEDICAL SERVICES
  - HAZARDOUS MATERIALS / CBRNE / WMD
  - INCIDENT MANAGEMENT / CRISIS MANAGEMENT / CONSEQUENCE MANAGEMENT
- TRAINING AND EXERCISE PROGRAM DEVELOPMENT & MANAGEMENT
- TECHNOLOGY ENABLED TRAINING AND EXERCISES
- TRAINING EVALUATION
- COMMAND LEVEL BRIEFING SUPPORT
- OPERATIONAL SUPPORT FOR LIVE EVENTS AND EXERCISES (BOTH ONSITE AND REMOTE)
- ENTERPRISE EXERCISE MANAGEMENT SYSTEMS AND DESIGN TOOLKITS (ABILITY TO SURVIVE AND OPERATE –ATSO)





# INFORMATION TECHNOLOGY

Dynamis provides a full spectrum of Information Technology services. Our team designs, develops, installs, implements, tests, trains and evaluates technologies for government and commercial customers across the globe.

Dynamis' solutions enhance performance and improve operational processes. Our experts can utilize COTS, GOTS and customized software to ensure program success. Dynamis will support a program through the lifecycle, including serving as a strong and vocal advocate for federal programs to ensure user adoption.

Our services include, but are not limited to:

- REQUIREMENTS ELICITATION & ANALYSIS
- APPLICATION DESIGN & DEVELOPMENT
- DEPLOYMENT, TRAINING & SUPPORT WORLDWIDE
- ENTERPRISE ARCHITECTURE ANALYSIS & DESIGN
- DATABASE MANAGEMENT
- SHAREPOINT DESIGN & ADMINISTRATION
- STRATEGY DEVELOPMENT & IMPLEMENTATION
- SYSTEMS OPERATIONS & MAINTENANCE
- SYSTEMS INTEGRATION
- TECHNOLOGY ASSESSMENT & ANALYSIS
- CLOUD COLLABORATION SOLUTIONS
- COMMON OPERATING PICTURE & INCIDENT MANAGEMENT
- CBRNE RESPONSE SUPPORT TOOLS
- SENSOR SYSTEM INTEGRATION AND DASHBOARD DISPLAY
- 4 ■ ATSO – DOMOPS – MASS CASUALTY TRACKING

*"During World Cup, all stadiums were monitored using COBRA software by the Army in ten cities and Navy in two cities. The flexibility of COBRA provided us the capacity to monitor our CBRN sensor networks and deployed response teams at local Command and Control centers as well as National C2 center in Brasília providing real time information about largest CBRN defense operation ever deployed by the Brazilian MoD."*

*- Colonel Cel Paulo Malizia, Chefe da Divisão de Defesa QBN, Centro Tecnológico do Exército*



*Real time sensor readings through COBRA during Rio World Cup & Olympics*



DYNAMIS



# WHAT IS COBRA?

## ***A suite of digital tools to support CBRNE & All Hazards preparedness and resilience***

- Threat, venue, and event monitoring tools enabling unity of effort in command, communications, collaboration, decision support, and emergency response & recovery
- Common picture and integrated tool kit that enables users to see, understand, and act first, in daily operations and major events, from local incidents to national response
- Prepare, plan, mitigate, respond, and recover to all hazards using tools tailored to your environment, events, venues, organizations, businesses, and unique requirements
- Open architecture and flexible hosting; certified, high-level of security
  - Situational awareness and decision support
  - Rapid alerting and real-time command
  - Mapping with live Chem/Rad sensor and drone data display
  - Multi-user logs, reports and asset tracking
  - Emergency plan access and real-time CBRNE models
  - Ability to Survive and Operate (ATSO) Module
  - Damage assessment and recovery management
  - Physical Security
  - Resource Management
  - Hazmat Reference and Research
  - Legacy and future system integration
  - Customized for your organization needs
- A cloud based platform that serves as foundation to your next-generation ideas



# DYNAMIS' TECHNOLOGY MILESTONES

## A History of Technology Achievements

- 1999 – COBRA Client Product Development Begins
- 2001 – Used for response to anthrax letters to US Congress and news media
- 2002 – FBI uses COBRA as Tactical Command & Control System for Salt Lake City Winter Olympic Games
- 2002 – FBI deploys COBRA to all accredited bomb squads across US
- 2004 – Chosen as decision support system by DoD GUARDIAN program, deployed to 200 US military installations worldwide
- 2006 – DHS SAFETY Act designated and certified as counter-terrorism product (renewed in 2012)
- 2005 – 2012 COBRA integrated into Guardian IP2 and deployed commercially to state/locals
- 2012 – Brazil Army and Navy chooses COBRA as command, control and reconnaissance system for upcoming High Visibility Events (Rio+20, Pope Visit, FIFA World Cup)
- 2013 – COBRA product receives export waiver by Department of State
- 2013 – Air National Guard deploys COBRA to all Emergency Operations
- 2014 – FIFA World Cup Brazil CBRNe monitoring and response by COBRA
- 2015 – Dynamis chosen by House Appropriations Committee to develop Big Data solution to track Congressional Budgets
- 2015 – ATHENA Big data analytical tool begins development for OSD ONA
- 2015 – COBRA chosen as Belgium National Incident Command Management System (ICMS)
- 2016 – Rio Summer Olympic Games as CBRNe sensor situational awareness dashboard powered by COBRA
- 2017 – ICMS live as the Belgium National Incident Management System
- 2017 – Presidential Inauguration National Special Security Event Support
- 2017 – Deployed blue force tracker for *Tour de France*

## COBRA National Deployment Brazil 2014 FIFA World Cup and 2016 Rio Olympics

- COBRA deployed across Brazil supporting multiple World Cup & Olympic venues
- Tracked real-time location of undercover security elements carrying Chem/Rad/Nuke sensors
- Gathered real-time remote GPS-tagged photographs
- Generated and collated real-time operation logs for all participating security elements
- Displayed data in real time on a single map, accessible anywhere
- Archived data and provided export to common file formats (Excel, Google Earth)
- Provided response plans, databases, checklists, responder data and after action report tools
- System validated with multiple radiological and chemical sensor alarm activations

## Development and Deployment of Belgium's National Incident Management System – ICMS. Launched 2017

- Custom Modules
  - Hospital Bed Availability
  - Evacuation Centers
  - Chemical Storage Sites
  - 60,000 Contacts
  - Emergency Management Planner
  - National Mapping Integration
  - Custom Map Icons
  - 600+ Response Agencies
  - Drone Integration
- Available in Four Languages:
  - English, Dutch, French, German and soon Arabic



# CASE STUDY - TRAINING AND EXERCISES

**Situation:** Dynamis provided training and exercise support services to FEMA's Chemical, Biological, Nuclear, Radiological and Explosives (CBRNE) Office's Domestic Emergency Support Team (DEST) – an interagency, consequence management team, tasked with providing expert guidance and support to the Federal Bureau of Investigation (FBI) during a credible Weapons of Mass Destruction (WMD) threat or incident. Prior to Dynamis' support, the DEST had never conducted a no-notice functional exercise, to enhance the team's operational readiness.

**Action:** Following HSEEP guidelines, Dynamis developed a multiyear Training and Exercise Plan (TEP) for the DEST, which included a mix of workshops, drills, seminars, tabletop and functional exercises, increasing in complexity and aimed to evaluate and improve the operational readiness of its interagency members. Using Dynamis' exercise design and conduct expertise, Dynamis designed and conducted the first no-notice functional exercise (September 2014), followed by another the following year.

**Result:** The functional exercises allowed Dynamis to identify capability gaps and areas of improvement for the DEST. As part of the improvement planning process, Dynamis developed thorough corrective action plans that set the baseline for future training and exercise activities, **enhancing the overall preparedness and mission readiness of the interagency team.**



*Dynamis' Exercise Design Cycle*





# CASE STUDY: JPEO-CBD GUARDIAN IPP -2004-2012

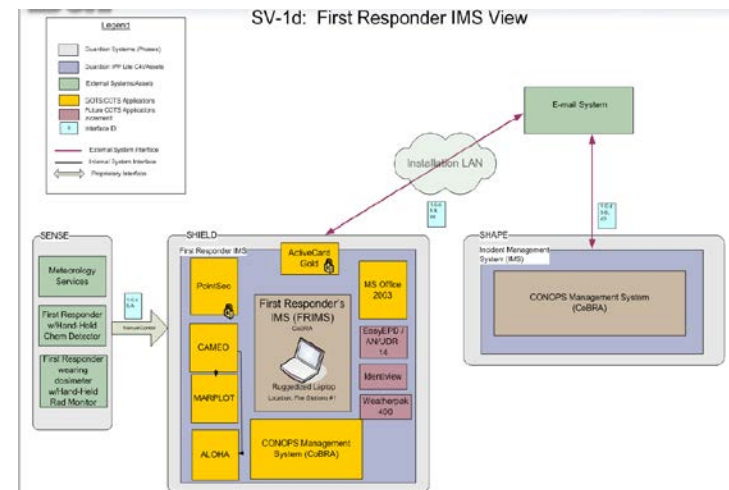
**Situation:** COBRA chosen by the JPM-G Installation Protection Program as the CBRN decision software in 2004 and continued supporting the program till IPP ended in 2012. COBRA deployed to all IPP bases to serve as the CBRNe decision support too. COBRA supported 3rd party developer support and integration with COTS systems such as AtHoc, DesktopAlert and GOTS systems such as JEM, JIP4C2 & JPM-IS JCID sensors to display sensor data.

**Action:** COBRA team conducted onsite user trainings for bases CONUS and OCONUS. COBRA staff also supported CATS, ALOHA, MARPLOT and CAMEO training. COBRA team continued to update and customize COBRA to meet Guardian mission and developed new tools specifically in accordance with JPEO-CBD requirements.

**Result:** While many products were swapped out during Guardian lifecycle, COBRA remained and continued to evolve to meet new requirements. COBRA team gained valuable past performance gathering DoD customer requirements, developing, customizing deploying, training and supporting software solutions worldwide.

COBRA received consistent score of 4.9 out of 5 on satisfaction surveys conducted by SAIC of Guardian IPP bases.

Upon the end of Guardian Installation Protection Program, US Army TACOM took over sustainment of COBRA software, which is still in use today.







# CASE STUDY: AIR NATIONAL GUARD EMERGENCY MANAGEMENT/CBRNE

**Situation:** COBRA deployed to 70+ Air National Guard bases for Emergency Management & CBRNE response. Contract began 2010 and continues today.

**Action:** Dynamis supported via remote DCS and onsite the establishment of base hosted servers to create base wide Common Operating Picture solution. Based on ANG requirements, COBRA team developed the Ability to Survive and Operate (ATSO) Toolset. Initially designed for Military Installations to respond and recover after an attack or natural disaster, this powerful web based toolset also meets the needs of civilian First Responders when dealing with incidents such as Active Shooter, Hazmat Spill, Bomb Threat, Campus Security and Major Storm Restoration of Operations. ATSO allows users to create color coded “zones” within an area, from school campus, to sports stadium to military installation. ATSO facilitates dispatching and tracking of response teams to survey and clear those zones. ATSO can be used for Operational Readiness Exercises and Inspections.

ATSO toolset included Post Attack Reconnaissance (PAR) teams and reporting, Casualties Reporting, Facility and equipment damages, UXO reporting, Contamination reporting, S.A.L.U.T.E. -Enemy Action reporting, PAR team status tracking, UCC (Unit Control Center) screens, Zone status tracking, MOPP and MOPP modifier status, INFOCON, FPCON status

**Result:** COBRA toolset continues to grow and meet new and emerging ANG requirements



- ✓ *Custom Common Operating Picture*
- ✓ *All-hazards Rapid Threat Assessment*
- ✓ *Decision Support Dashboards*
- ✓ *Rapid Alerting*
- ✓ *Real time, Collaborative Mapping*
- ✓ *Current Satellite Imagery*
- ✓ *CBRNE Reference Library & Job Aids*
- ✓ *Mobile, Laptop, and Web Access*
- ✓ *Unlimited Uploading of Photos, Videos, and Documents*
- ✓ *Resource Management Tracking*
- ✓ *Damage Assessment*
- ✓ *Recovery Management & Reporting*





# DYNAMIS

Innovative Solutions for a Safer World

## HEADQUARTERS

**8260 Willow Oaks Corporate Dr.  
Suite 800  
Fairfax, Virginia 22031**

**703-465-4400**

CVP, Business Operations

Sam Mohs: [smohs@dynamis.com](mailto:smohs@dynamis.com)

CVP, Line Operations

Tim Mahoney: [tmahoney@dynamis.com](mailto:tmahoney@dynamis.com)

Senior Principal, Security & Law Enforcement

Alan Metzler: [ametzler@dynamis.com](mailto:ametzler@dynamis.com)

Director, Defense & Intelligence Solutions

David Klain: [dklain@dynamis.com](mailto:dklain@dynamis.com)

Director, DHS & Civil Agencies Solutions

Jeremy Makay: [jmakay@dynamis.com](mailto:jmakay@dynamis.com)

Paul Cox: [pcox@dynamis.com](mailto:pcox@dynamis.com)

Director, IT Solutions

Brad Gardner, [bgardner@dynamis.com](mailto:bgardner@dynamis.com)

Corporate Growth

Neil Cohen, [ncohen@dynamis.com](mailto:ncohen@dynamis.com)

# CONTACT US

[WWW.DYNAMIS.COM](http://WWW.DYNAMIS.COM)

[WWW.COBRA2020.COM](http://WWW.COBRA2020.COM)