

WHAT IS COBRA?

COBRA is a secure, web-based all hazards planning & training platform with integrated manual and live data that delivers a unified common operating picture across agencies.



INCIDENT MAPPING

Plot and track CBRN events on five satellite and terrain maps



FALLOUT PREDICTION

Real-time nuclear plume modeling with wind integration



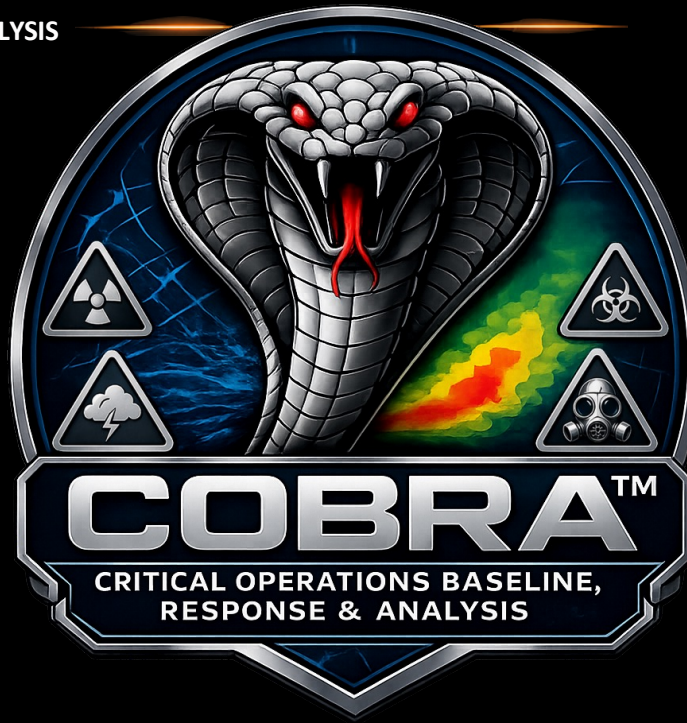
MULTI-ORG ACCESS

Shared situational awareness for all response teams



SECURE & SCALABLE

License-gated access with organization authentication & support



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DEPLOYMENT & USE CASES

COMMAND & CONTROL

- Multi-incident common operating picture
- Simultaneous multi-agency access
- Historical event library and archiving
- Conversion tools and resources

PLANNING CELL

- Pre-mission scenario modeling
- Duplicate event features for "what-if" analysis and scenarios
- Fallout modeling at multiple yield levels
- Wind condition impact assessment

FIELD OPERATIONS

- All hazards and affected area plotting
- Nuclear device detonation response
- Hazmat corridor management
- Route planning with distance and travel time estimates



THE OPERATIONAL CHALLENGE

All hazard incidents demand immediate, coordinated response across multiple agencies – yet commanders routinely operate with:



FRAGMENTED DATA

Incident information siloed across radios, spreadsheets, and isolated systems with no common operating picture



DELAYED ANALYSIS

Manual fallout and hazard calculations taking hours, not seconds - critical time lost during initial response



NO FIELD MOBILITY

Command tools locked to fixed workstations; field personnel operating without real-time updates



COORDINATION GAPS

Multi-agency response degraded by incompatible tools, formats, and communication protocols

PLATFORM ACCESS



Web iOS Android Tablet

Real-time data synch across all units & devices

SECURITY

- License-gated access
- Organization authentication
- Role-based permissions
- Encrypted data transmission
- Audit logs & compliance

CORE CAPABILITIES



LIVE INCIDENT MAPPING

Multi-user sync on satellite, hybrid, and terrain maps



CBRN & FALLOUT MODELING

Nuclear yield and burst modeling from H+0 to H+96



NOAA WEATHER INTEGRATION

Live wind data with hourly forecast modeling



LOCATION & ASSET MANAGEMENT

Command posts, triage, staging, DECON, evac zones



DISTANCE & ROUTING TOOLS

Measure and route between any two points



SCREENSHOT & ARCHIVE LIBRARY

Capture map states for after-action review

INTERACTIVE MAP & MODELING



KEY BENEFITS

- **Faster Decision-Making**
Seconds, not hours, for critical analysis
- **Unified Operational Picture**
One source of truth for all agencies
- **Enhanced Field Mobility**
Real-time access anywhere, anytime
- **Improved Response Outcomes**
Better coordination saves lives

COBRA TRANSFORMS FRAGMENTED RESPONSE INTO A UNIFIED, REAL-TIME OPERATIONAL COMMAND ENVIRONMENT