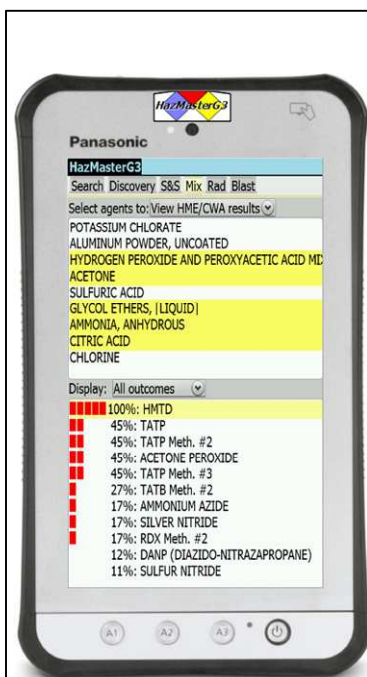


Comprehensive HME · IED · CBRNE Decision Support

At Alluviam, we're disrupting the status quo of what's expected from a decision support system. With 167,000+ materials and trade names, HazMasterG3's core database is much larger than any other comparable legacy decision support system - *because you can't get an answer if you don't have the data*. HazMasterG3 delivers actionable insights - when and where you need them, whether on your smartphone, tablet, laptop or web browser. The experts people rely on choose to rely on HazMasterG3, because HazMasterG3 helps them look smart when they really need it by providing the "so what does that mean" insight needed to take action.



MILSPEC model shown
(other handheld, tablet and
laptop options also available)

- Mix ingredients to identify probable HME products and formulations.
- Estimate HME yields from a given quantity of precursors.
- Virtually mix agents to identify probable dual-use precursor outcomes.
- Virtually mix chemicals to identify explosions, toxic gas emissions and many other hazardous chemical reactions.
- Visual ordnance identification for 5,000+ pieces of ordnance from 50+ countries world-wide, including device photos, filler and handling hazards.
- RCIED threat range calculator.
- Crater estimator ID's amount of explosives used to create a crater.
- Improvised trigger identification for over 11,000 components.
- Detonator ID for 7,000+ varieties of commercial/military detonators.
- Calculate standoff distances and blast effects consequences for simple or complex real-world threats using civilian or military guidance.
- Identify 33,000+ dual-use precursors for the production of HME and explosives, chem-warfare/WMD, cocaine, heroin and methamphetamines.
- Identify industrial uses/processes of HME and explosives precursors.
- Sensor integration to directly sample agents and model HME outcomes.
- Advanced disposal/breaching calculator for tactical operations.
- Comprehensive response guidance: protective clothing, respirators, exposure hazards, isolation zones, first aid and much more for complex HME scenarios and 165,000+ chemical, biological and radiological threats.
- Clandestine lab, chemical formula and foreign term identification tools.

Patented Technology

US DHS Certified and Designated Anti-Terrorism Technology

Related Capabilities

- HazMasterG3® is the only integrated system capable of identifying unknowns, whether chemicals, HME or RAD – a key capability for terrorism response.
- Integrate readings from sensors to answer key "what does that mean" questions, like what could be made from a given set of chemicals.
- Reverse precursors – Assuming a given HME/CWA outcome, display key (and substitute) chemicals required for the synthesis of the given outcome.
- Detector Wizard ID's detectors suitable for a given CBRNE agent, with time of detection, interferences etc.
- Sensitive site exploitation support for chemical formulations and lab identification.

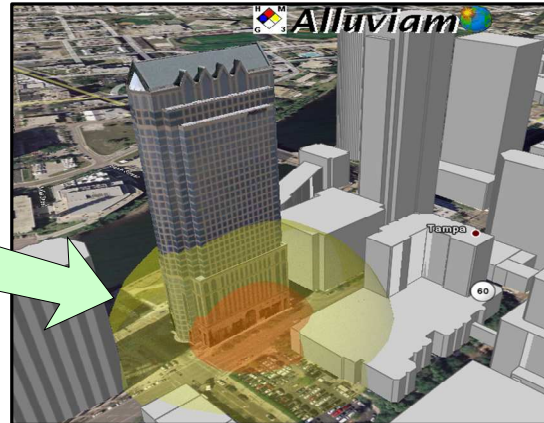
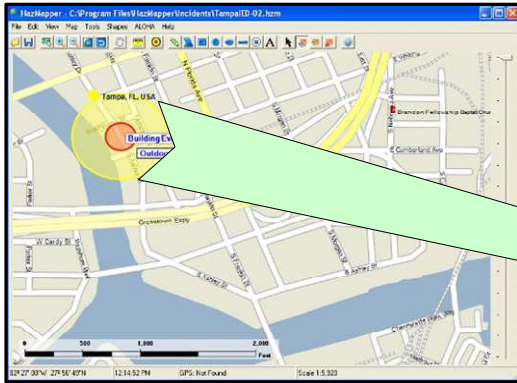
Alluviam LLC

Support/info: (510) 315-1974 or online Email: info@alluviam.com www.alluviam.com

HazMasterG3®

Desktop options provide unmatched situational awareness

- Works with HazMapper™, to display CBRNE threats, ALOHA and HPAC plumes and other GIS overlays on GPS-based street/satellite maps with integrated Google Earth imagery support.
- View threats on pre-loaded premium street maps or custom maps to meet your tactical needs.
- Intuitive, easy-to-use suite of powerful on-scene tools for quick site assessments and measurements.
- Drawing tools allows an on-scene commander to quickly sketch out ingress/egress routes, road closings and high priority evacuation facilities.



Pipe Bomb IED modeled in HazMasterG3, placed in HazMapper and injected into Google Earth

Compatibility

- DOD Joint Battle Command Platform – Handheld, HazMasterG3 is the only CBRNE/HME/IED DSS compatible with JBCP-H.
- International/maritime operations: units of measure in both US and international units; decodes EAC, HIN, APP, PG and UN Hazard codes; trade names in German, English, French, Spanish, Italian and Dutch.
- Wirelessly communicate pre-plans or response guidance from HazMasterG3® to other systems.
- OASIS / CAP 1.1 Reporting and messaging interoperability.
- Only RAE approved system with support for RAE 9.8, 10.6 and 11.7 eV PIDs.
- NIMS and ICS compatible, plus inject data into USMTF or other civilian reporting systems.
- Tier 2 preplan support for 60,000+ facilities nationwide.
- Works with ATTAC storyboarding/reporting for integration with CIDNE/JDIGS.
- Train once, deploy anywhere (cell phones, handhelds, tablets, laptops/desktops -- full capabilities on all).

Bonus features

- Load and share pre-plans from libraries of existing pre-plans, or customize them for your own scenarios.
- Time-stamped, high-resolution accountability, key for pre- and post-event training and evidentiary uses.
- Extensive unit conversion capability.
- Military heat stress calculator for a range of weather and work/rest, fluid replacement scenarios.
- Integrated access to ERG 2012, NIOSH, EMS signs/symptoms, first-aid and decon recommendations.
- HazMasterG3® is the only decision support system capable of identifying unknown chemical and radiological agents -- critical for terrorism response.
- More hazardous agents, response guidance and accredited SOPs than any other mobile system.
- Atomic mass, activity, emissions, decay chains, industrial uses, and risk levels.
- Isolation distance/dose/fallout/half-life graphical advisories with support for survey equipment inputs.
- Dosimetric specific signs/symptoms of radiological exposure, first aid and treatment recommendations.
- Comprehensive guidance for a broad range of bio-warfare and bio-terror agents.
- Reach back capability for 2,000,000+ materials/trade names.
- Customization – add your own forms, checklists or SOPs to the system, or link them to specific agents.

Only HazMasterG3 work with...

