

HazMap.ai – Patent + AI Explainer

What’s Under the Hood

HazMap.ai fuses three core innovations:

- Inspector-verified hazard icons mapped to real-world building footprints
- Contextual GIS overlays including exits, stairwells, 704 diamonds, and command icons
- AI-assisted tactical output, trained on fireground communication patterns

All in a field-operational interface optimized for tablet use by firefighters in real time.

Patent Status

Provisional Patent Filed (U.S.)

HazMap.ai’s provisional patent covers a novel fusion of:

- Layer-aware spatial logic, including inspector icon placement and metadata tethering
- AI-driven chemical interaction evaluation (InterACT™ module)
- Plain-language tactical output modeled after real-world fireground speech patterns

Our full utility patent is currently in development. Details available upon request under NDA.

Ethical AI, Built for the Field

HazMap.ai is one of the few emergency response platforms built from the ground up with:

- No surveillance, no facial recognition, no mission creep
- Offline operability for disaster resilience
- Localized outputs only—no central AI override
- Tactical clarity > generalized automation: Our AI speaks firefighter, not chatbot

How It’s Different

<u>Traditional GIS</u>	<u>HazMap.ai</u>
Static layers	Real-time relevance
Desk-focused	Fireground-optimized
Slow, cluttered	Fast, clear, minimal
No hazard output	Plain-language AI output

