GINA

Case Study

Public Safety

Quick unit dispatch

Precise location

Common operational picture

Sensors integration

Easy communication

BACKGROUND

In Southeast Asia, a **national civil defense organization** oversees disaster management, coordinating a network that includes police, firefighters, emergency medical teams, military personnel, and volunteers. This agency's operational domain spans over 20,000 km², safeguarding a community exceeding 5 million individuals.

CHALLENGE

The primary challenge faced by this agency was the **coordination of diverse response teams**, each with its own management system, lacking a common communication channel. During major disasters like earthquakes, floods or fires, the need for rapid, reliable information and resource allocation is essential. However, the existing systems were isolated, resulting in **slow response times**, **poor visibility of units**, and **difficulties in delivering aid** to affected areas due to the challenging terrain and connectivity issues, especially following earthquakes.

SOLUTION

To address these challenges, GINA rolled out a solution, installing Smart CAD in 1,235 local centers and in an additional 60 control rooms of external agencies like firefighters and police, thereby empowering **dispatchers to efficiently manage incidents**.

Furthermore, we equipped over 8,000 responders, including emergency personnel and volunteers, with mobile applications **tailored for crisis situations**. These apps facilitate navigation, provide status updates, enable multimedia sharing, and grant **access to vital information** such as emergency protocols and resource locations.

To ensure comprehensive situational awareness, Tactical AVL software was also deployed across all local centers, enabling precise tracking of unit locations and movements. This integration extends to existing communication and tracking devices, including radios and satellite phones, and is complemented by **real-time data inputs from cameras**, smart vests, and sensors dedicated to weather and seismic activity monitoring.

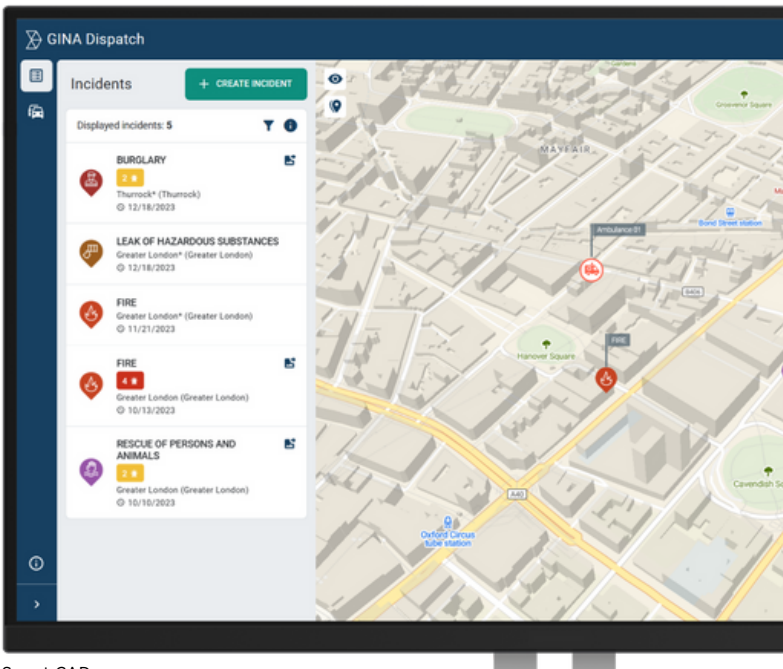
Reduced reaction times from minutes to 20 seconds

RESULTS

Improved Response Times: The systems have significantly reduced response times, enabling teams to act within critical windows to save lives and mitigate damage.

Enhanced Coordination: The platform has bridged the gap between different responding agencies, ensuring coordinated efforts.

Nationwide Operational Awareness: All levels of the agency now have a clear, real-time view of ongoing operations.



Smart CAD