Mobile Incident Command Center

Roanoke County, VA
Program Year: 2018

Abstract:
Roanoke County's Public Safety departments desired an application to replace a paper map-focused incident command system to one which could be easily deployed from any mobile device or computer. The Mobile Incident Command Center (MICC) leverages GIS application technology to create a map-based interface with address and latitude and longitude integration that creates accurate maps and structure data for incident areas and also allows personnel to collect data from the field and share that data with command in near real-time. The MICC allows data sharing within and between public safety entities through a multi-application suite which allows the Police and Fire & Rescue departments to coordinate during emergency incidents, training scenarios and incident pre-plans. The MICC was built in-house, leveraging GIS technologies and systems already deployed by the County at very minimal additional cost. The requirements for the system fell into three major categories: ease of use for personnel, live and disconnected editing, and ability to work within the major mobile and desktop ecosystems deployed throughout the County. The MICC allows individuals from each agency to use smartphones to submit photographs and data to command posts in near real-time, while the back-end system processes the data and displays situational map-based data back to the field in symbology unique to each agency.

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