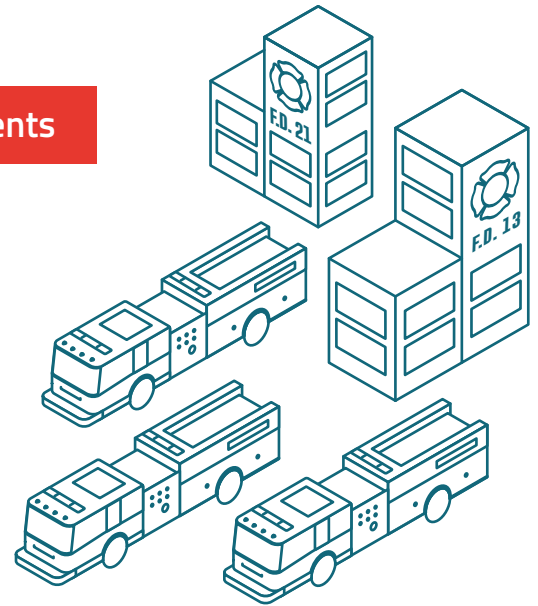


## AirLink® MP70: Precision Geolocation for Fire Departments

### Meet Rich



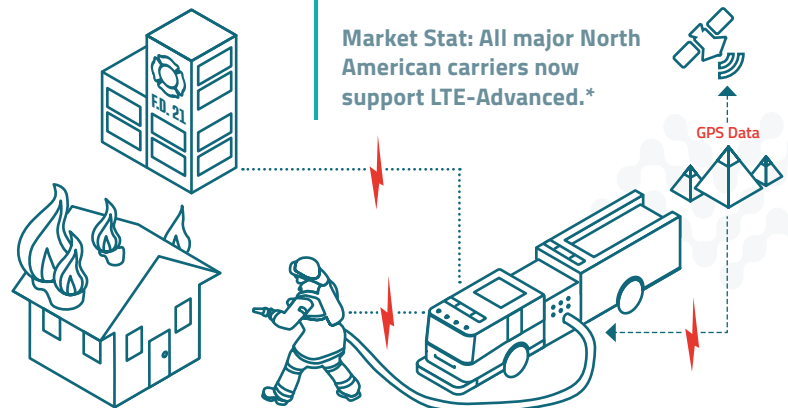
Rich is the IT manager for a regional fire district. He is responsible for ensuring that the district's computer-aided dispatch (CAD), and automatic vehicle location (AVL) systems for 60 independent firehouses located throughout the district's large geographical service area successfully communicate with its 180 fire trucks.



### THE CHALLENGE

#### FINDING A SINGLE SOLUTION FOR RELIABLE CONNECTIVITY AND PRECISION GEOLOCATION

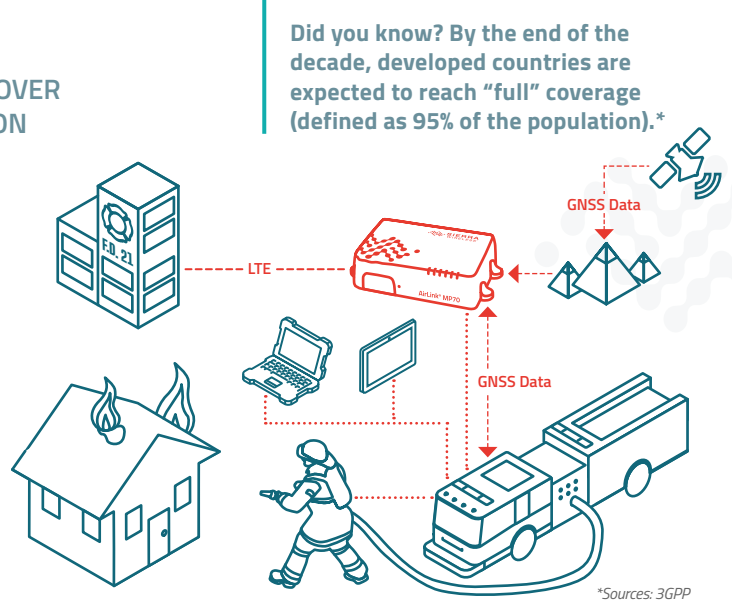
The IT department wants to standardize with a single solution across the district. Currently all communications happen on the laptop, and because of the mountainous terrain, getting GPS has been a challenge. Rich knows of new devices the departments want to deploy and he wants to find a future-proof solution.



### THE SOLUTION

#### RUGGED VEHICLE ROUTER SUPPORTS ALL APPLICATIONS OVER SINGLE NETWORK AND PROVIDES PRECISION GEOLOCATION

Rich trials several vehicle routers that offer LTE connectivity, and decides to deploy the AirLink MP70 because it supports LTE-Advanced and provides uninterrupted coverage across the district's large geographical service area. The MP70 also uses advanced GNSS location technology that communicates with 48 satellites from 4 satellite constellations, and contains an inertial navigation system, which provides positioning information when there isn't a clear view of the sky. Just days after the deployment, the district's fire fighters have real time access to more information in the field, enabling them to be better prepared and respond faster.



\*Sources: 3GPP

[sierrawireless.com/MP70](http://sierrawireless.com/MP70)