



# BEC M2M Router Established a Sustainable Mission Critical Communication Link For SunShine Fire Protection District

**CUSTOMER:**

Sunshine Fire Protection District

**CHALLENGE:**

Unreliable and insecure connection

**SOLUTION:**

Deploy BEC M2M Router and partner with Trilogy LTE Provider

**PRODUCT:**

BEC MX-1000 M2M Router

**APPLICATION:**

Public Safety In-Vehicle Connectivity Solution

**MARKET:**

Public Safety/FirstNet, Mission Critical Communication

## Executive Summary

By testing and deploying BEC MX-1000 M2M router, Sunshine Fire Protection District, successfully maintain a mission critical communication in-vehicle network that is interoperable, sustainable and especially during times of great stress.

## The Customer

Sunshine Fire Protection District has served mountain community's wild-land urban interface for the past 47 years. Their service is provided by 20 volunteer firefighters, ERM/ EMT and fire support staff, two fire stations and 4 fire trucks. Their focus on fire protection, prevention and education as well as medical responsiveness has fostered a strong bond with the neighborhoods they serve. Since their inception, Sunshine Fire Protection District has been on the look out for first-class training and technology to best fit their mission and serve their community.

## Challenges

In response to national security concerns, the MCTRICA act was past in 2012, establishing FirstNet. FirstNet purpose is to establish, operate, and maintain a public safety network that is interoperable, especially during times of great stress. To fulfill these objectives, **Sunshine Fire Protection District needed to become a part of a Radio Access Network that will connect back to the core of FirstNet. Unreliable connectivity can be a major issue in mountain communities, making SFPD need for a dependable secure connection with its first responders out in the field all the more important.** SFPD chose to partner with Trilogy LTE Services, a company that specializes in providing secure connections for America's Rural LTE operators, and BEC Technologies to realize this need.

### How Product Helped

Sunshine Fire Protection District chose the MX-1000 for each of their 4 vehicles. The BEC MX-1000 was engineered specifically for emergency personnel out in the field by accelerating response times and providing urgent updates. The MX-1000's rugged solid design comes with a roof-mount SX antenna that ensures high quality – high bandwidth transmission from command center to volunteer. The MX-1000's proven interoperability has multiple interface options for connecting, provides web access to databases across agencies and provides mapping/GIS and location tracking.



### Conclusion

The durability and extensive coverage provided by BEC and Trilogy LTE Services ensures the Sunshine Fire Protection District with the mission critical capabilities for a safe community. BEC's MX-1000 demonstrated its excellent reputation backed by 10 years of continued stability, extended range and performance that surpasses the need for first responders.

### Results

The MX-1000's connection with Trilogy LTE Services provided Sunshine Fire Protection district with the link it needed to FirstNet core. BEC and Trilogy's LTE enhanced the emergency responder's procedures by carrying high-data-rate services to the rural surrounding areas.

The new communication link supports digital imaging, video streaming, voice, large data download, and other abilities which cannot be maintained over a traditional narrowband network.



BEC MX-1000 M2M Router

### Free Specialist Advice Available

For more information and advice, please call us at 972- 422- 0877 or email our sales team at [sales@bectechnologies.net](mailto:sales@bectechnologies.net).