

“Our job is to make their job easier and safer”

Jim Kauffman – Bonita Springs Fire & Rescue District



CASE STUDY

Bonita Springs Fire Control and Rescue District

Bonita Springs is like many communities throughout North America experiencing population growth and increased density. With this growth, comes new building construction and new communities that fall outside of the public safety radio coverage footprint.

Bonita Springs Fire Control & Rescue District took a new approach to solve these radio coverage challenges resulting in a win/win situation for the taxpayer, the building owner and firefighters.



The Challenge

Bonita Springs Fire Control and Rescue needed radio coverage for buildings and areas outside existing radio coverage footprint.



The Solution

Futurecom DVRS provided fireground communications for in-building coverage along with coverage outside the original RF footprint.



The Benefits

Cost efficient, consistent and effective solutions

What did they do?

Bonita Springs Fire Control and Rescue District leveraged the Florida Fire code giving building owners a cost efficient option in lieu of installing an in-building distributed antenna system (DAS). Building owners could instead choose a one-time contribution to the wireless enhancement fund. The wireless enhancement fund is used to purchase Futurecom Digital Vehicular Repeaters (DVRS) to provide coverage in-building and outdoor fringe areas.

Installation of the Futurecom DVRS allowed firefighters to better communicate providing a safer work environment. Firefighters continued to get trunking features but with the additional safety of conventional including push to talk tones, emergency id, push to talk id and out of range indication.

The DVRS is a miniature 10W P25/analog, full duplex base station integrated with the Motorola APX™ series mobile radio. The DVRS can be installed in any fire apparatus or battalion chief's vehicle.

The DVR connects directly to the APX™ mobile radio and essentially becomes part of that mobile radio. The APX™ mobile continues to operate while the DVR is active. All control of the DVR is achieved through the mobile control head and DVR status is displayed on the mobile control head. This status includes: channel, mode, TX/RX and primary/secondary state.



Main benefits of the Futurecom DVRS on the Fireground

- Enhanced In-building radio coverage.
- The features of trunking with the safety of conventional operation
- Highly automated operations allows for multiple DVRS to be active on the scene.

