



Extending Radio Coverage on Military and Naval Bases



Customer Profile

Users

Base Fire Departments, Base Military Police, Base Operations.

Applications

Public safety radio coverage throughout military and naval bases.

Military and Naval bases have many areas where radio coverage can be a challenge. Whether it is outpost buildings, military hospitals or on the firing range, military personnel require radio coverage to ensure base operations are at their most efficient. Most tower sites at military bases are located in the middle of the base resulting in coverage dropping off at the perimeter.

Traditional vehicle mounted mobile repeaters have been used by many bases to extend in-building radio coverage for the base fire department, military police and security. This works well in areas with mobile radio coverage and for users that have their vehicle nearby.

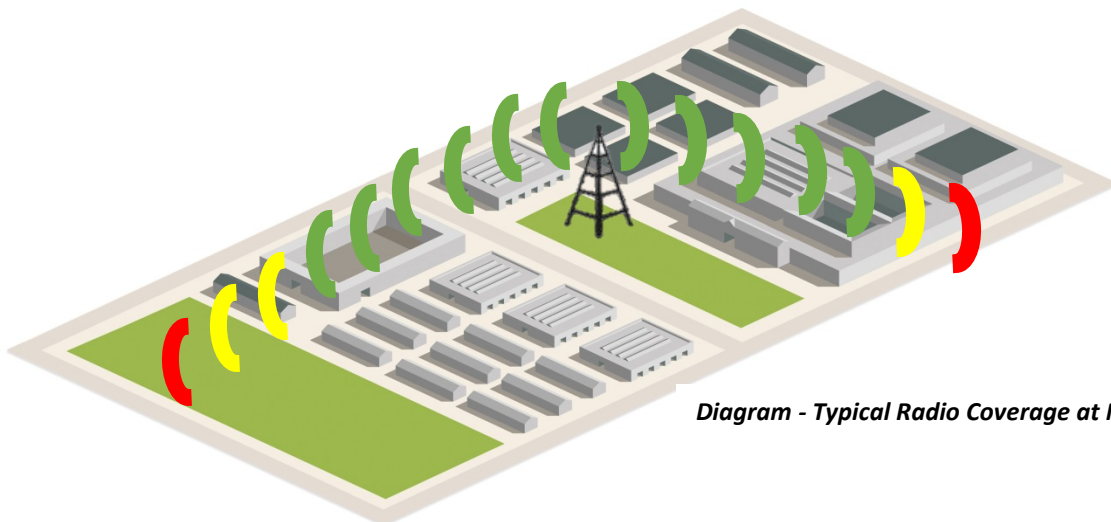
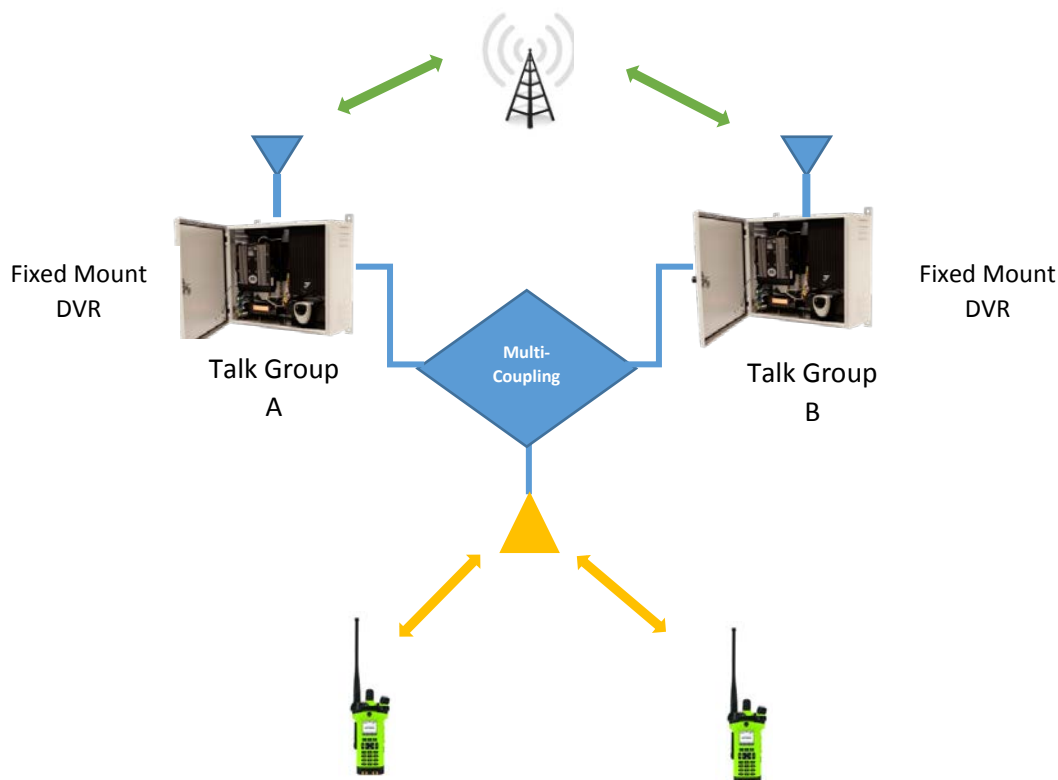


Diagram - Typical Radio Coverage at Military Base



In many remote areas, mobile radio coverage may not be available as a result of terrain or distance for a tower site. Adding radio sites for these situations may not be practical or economically feasible. For a number of these situations, fixed mount DVRS have provided a solution. Missile sites in mountainous regions, range control, chemical and weapons storage areas and remote buildings are a few examples where the DVRS has been deployed.

A customer recently wanted to solve portable radio coverage challenges at the firing range to ensure added safety during firing exercises. The customer also wanted to listen to two talk groups. Since the DVRS only extends one talkgroup at a time, a solution was developed to use two DVRS, which extended two talkgroups simultaneously.



While being significantly less expensive than a full site, there are some limitations with the DVRS. The users need to switch channels to a conventional channel, but this is a small price to pay to obtain radio coverage. Using DVRS enabled subscribers on a P25 Trunking system, most key P25 features are available. These include PTT and emergency ID pass through, network affiliation, OTAR, patch, end to end encryption, end to end digital audio and stun/kill.

Military and Federal agencies looking for an alternate communication solution at bases can look at the DVRS solution as a vital asset in their radio communications arsenal.

The DVRS is also available in a transportable format to maximize flexibility.



To learn more about the Futurecom P25 DVRS product line please visit www.futurecom.com