

# simocoXd



## DMR Coverage Extender

Voice and location coverage extension made easy

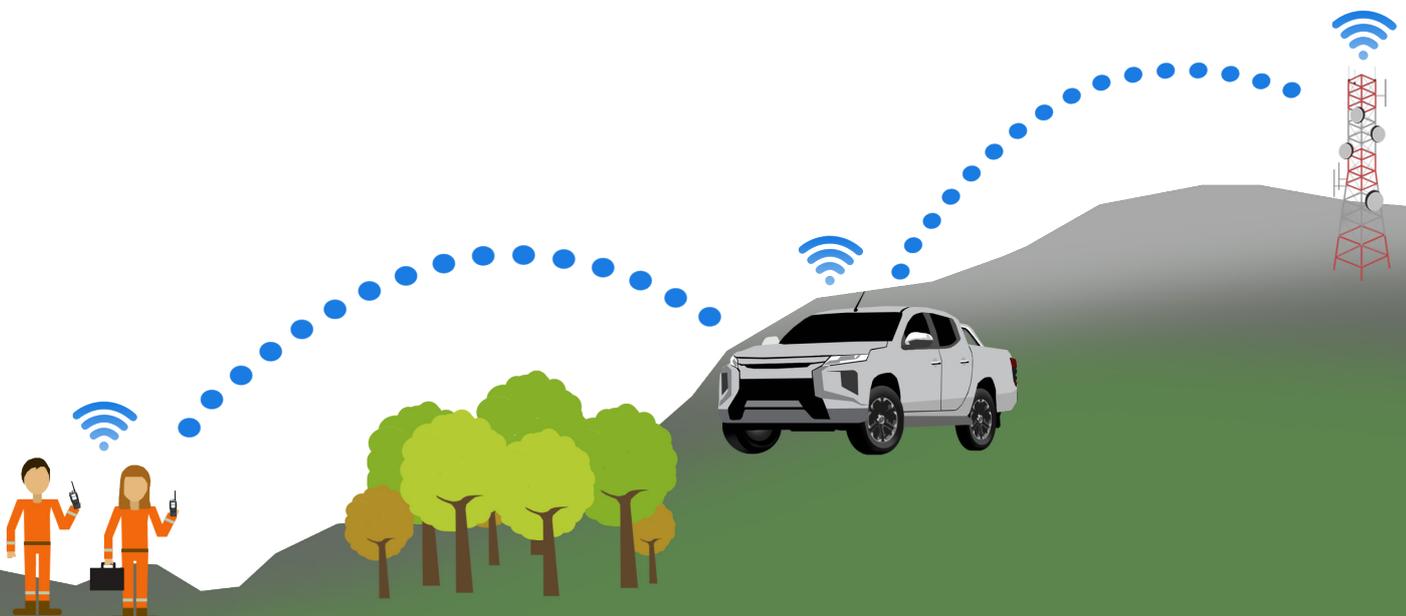


**ORGANISATIONS ARE CONSTANTLY CHALLENGED IN ORDER TO KEEP THEIR WORKERS CONNECTED WITHOUT UNINTERRUPTED LOSS OF COMMUNICATION.**

DMR Coverage Extender (DCE) has been designed to keep your communication connected without loss of coverage - whether you're down a man hole, high up in a mountainous region or simply in a network blackspot.

DCE improves portable radio coverage for personnel by using the higher power of the mobile radio within the vehicle to extend the range of the portable back to the radio system. Installed either in a car, emergency vehicle or other vehicles, DCE can extend your radio network when portable users are outside of your vehicle, inside of a building or in any marginal coverage area.

The DCE is built to grow with your organisation and is based on DMR Tier III trunking standards which support mission critical voice and data. Additionally, you extend all of the benefits of DMR to your portable radio device; including GPS, Man Down, Lone Worker and other core features. DCE also works in limited functionality for a DMR Tier II system. What's most important is the reliance of a technology that you can trust. With Simoco Wireless Solution's DMR technology, Simoco Xd, you are opting for a proven DMR technology built on a resilient distributed architecture that has been deployed world-wide. Fundamentally, you can rely on getting the job done with Simoco Xd.



## FEATURES AND BENEFITS



### DESIGNED TO CREATE YOUR VEHICLE AS A COVERAGE EXTENDER

DMR Coverage Extender has the ability to transform your vehicle into a coverage extender such that your personnel can always stay connected and remain in communication whilst performing operational duties outside the vehicle. With its intelligent software and highly sensitivity digital receivers it can significantly increase the signal quality and hence the overall range and data throughput of your DMR network. Typical range could extend to at least 1km from a vehicle.



### COST EFFECTIVE LARGE-AREA LOW-DENSITY COVERAGE

Want additional functionality with reduced infrastructure costs? DMR Coverage Extender provides the flexibility of allowing you to design a network using only a third of the sites without sacrificing reliable and resilient coverage to your portable radios.

It features a low power, fan-less design, so it uses less energy and preserves battery life. The transceivers at the heart of DCE are remote mounted providing you the flexibility of selecting the most optimum mounting location in the vehicle.



### EXPAND YOUR COVERAGE FURTHER

Anyone working with radio communications has probably suffered loss of signal and ultimately a breakdown in communication. DMR Coverage Extender has been designed to penetrate coverage of the radio signal further where loss of signal could occur. For example, if you work in environments where you'll lose portable coverage when you go down a man-hole or inside a fortified structure such as an ATM enclosure or transformer room, DMR Coverage Extender can extend coverage into that black hole from your service vehicle. The added benefit of location based services provides the ability to map and locate assets on a dispatcher.





## EXTEND TO A GREATER NUMBER OF LOCATIONS

Want to expand your coverage to more locations? DCE makes it simple by providing ability of rapidly deploying the device to support temporary operations. You have the flexibility to deploy the DCE in a number of locations to support ad-hoc operations in areas of fringe coverage. Examples include providing operational support in a search and rescue situation, aiding utility workers in complex environments such as handling of power transmission line stringing and much more.



## KEEP YOUR WORKERS CONNECTED

DMR Coverage Extender allows your workers to communicate instantly, without boundaries, and with added intelligence across the entire organisation. It is your gateway into a terrestrial trunking network which can accommodate 12 concurrent paired terminals per DCE.

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