

## Extending coverage. Enabling mobility. Connecting teams anywhere.

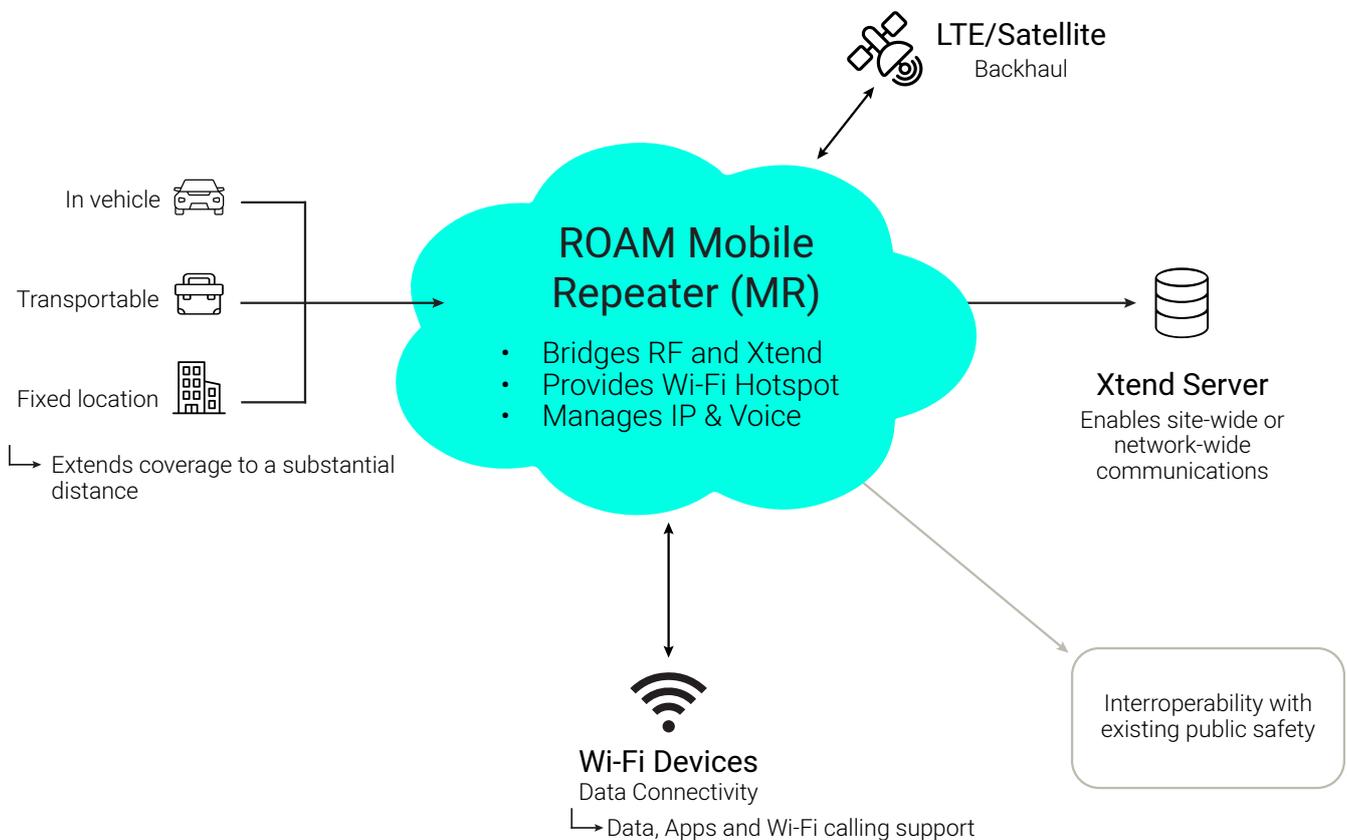
ROAM Mobile Repeater (MR) is a flexible, rapidly deployable communications solution designed to extend radio coverage and seamlessly connect local radio users to a wider network. Built using proven Simoco technologies and integrated with the Velocity Embedded Computer, ROAM MR enables reliable, mission critical communications in environments where fixed infrastructure is unavailable, impractical, or temporarily compromised.

Whether deployed in a vehicle, as a transportable solution, or installed at a fixed location, ROAM MR delivers consistent performance, extended coverage, and secure connectivity across radio, LTE, and satellite networks.

## SOLUTION ARCHITECTURE

The architecture allows radio users to remain in contact locally while also having the ability to switch to a site wide channel and communicate across the broader network.

The integrated repeater functionality extends radio coverage around the ROAM MR, significantly enhancing operational reach and situational awareness, with the capability to expand coverage to a substantial distance where required.



## SEAMLESS NETWORK INTEGRATION

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The Simoco radio and Velocity Embedded Computer form the bridge between the radio environment and the wider Xtend network. This enables:

- Seamless switching between local and site wide channels
- Connectivity across LTE and satellite networks
- Consistent user experience regardless of deployment scenario

The Velocity EC intelligently manages network selection, ensuring communications remain available even when primary connectivity is unavailable. This makes ROAM MR ideal for remote, temporary, or high-risk operational environments.

## DEPLOYMENT OPTIONS

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ROAM MR has been designed with flexibility at its core and can be deployed in multiple configurations to suit operational requirements.

### In Vehicle Deployment

ROAM MR can be permanently installed within a vehicle, providing a mobile communications hub that travels with the operation. This configuration is well suited to command vehicles, response units, and mobile workforces operating across wide areas.

For vehicles that cannot easily accommodate internal equipment, or where a semi-permanent installation is required, an external communications pod is available.

### External Pod

The external pod delivers the same functionality as the in-vehicle installation and has been developed for:

- Vehicles with limited internal space
- Scenarios requiring rapid deployment and removal
- Semi-permanent operational use

The pod design allows relocation by semi-skilled personnel such as an auto electrician, with minimal technical intervention required. This reduces downtime and simplifies fleet wide deployment.

The pods are available with support for Low Earth Orbit (LEO) services, enabling resilient satellite connectivity where terrestrial networks are unavailable.

## FIXED LOCATION DEPLOYMENT

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For longer term or semi-permanent installations, ROAM MR can be deployed at a fixed location.

In this configuration:

- Antennas are mounted externally on the building or structure
- Simoco radios and Velocity Embedded Computer are installed in a secure cabinet

The Velocity Embedded Computer manages LTE and satellite network selection and provides data connectivity via an integrated Wi Fi hotspot, supporting additional operational devices on site.

This deployment option is well suited to rapid establishment of communications infrastructure is required.

## DEPLOYMENT SCENARIOS

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ROAM MR is well suited to a wide range of operational environments, including:

- Remote and rural operations
- Temporary or rapidly deployed
- Emergency response and incident command
- Utilities, transport, and critical infrastructure
- Mining, industrial, and resource sector operations

## KEY BENEFITS

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Extends radio coverage to a substantial distance



Designed for rapid deployment and relocation



Proven Simoco technologies with enterprise grade reliability



Enables seamless local and site wide communications



Supports LTE and satellite connectivity through Xtend



Flexible deployment across vehicle, transportable, and fixed installations

## DESIGNED FOR CONNECTED OPERATIONS

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ROAM Mobile Repeater is purpose built for organisations that operate in challenging, dynamic, and remote environments. By combining Simoco's trusted radio technology with intelligent network integration and flexible deployment options, ROAM MR ensures teams stay connected when and where it matters most.