sepura

SRG3900 TETRA Gateway

The SRG3900 gateway is the latest generation of Sepura's proven SRG3000 mobile radio series. It is a flexible, adaptable and fully-featured mobile TETRA radio designed to meet the demanding needs of users within the Transport, Utility and Public Safety markets.

Improve user safety, effectiveness and confidence

HOW STAYING IN TOUCH CAN MAKE ALL THE DIFFERENCE

For an officer patrolling the beat, a paramedic attending a patient at home or a fire team working through a high-rise building fire, maintaining contact with their control room is critical. If the officer loses contact, how can their personal safety be ensured? How can the control room send backup when it's needed? Or deploy officers effectively if they can't communicate their location?

Against a background of growing violence, public safety users are ever more likely to find themselves at risk whilst performing their duties. No agency can afford to take their duty of care responsibility lightly. And if your users feel isolated and unsafe – lacking confidence in their communications systems – they will be less able to perform their jobs well, which will have a negative impact on the overall quality of the service they provide.

COMPREHENSIVE COMMUNICATIONS WITH SEPURA

Sepura radios give your officers communications capabilities that are second to none. Sepura SRG gateway radios can transmit at 10 Watts, and Sepura hand-held radios up to 1.8 Watts — providing the greatest operational range of any TETRA terminal on the market today.

The GPS capability in Sepura radios makes it much easier to pinpoint an officer's location and so target support more effectively – adding an extra layer of confidence and safety.

'More effective' will often mean 'faster' — the control room can see precisely which officers are closest to an incident. But because you can see exactly who is where, it can also mean 'more appropriate' — the closest officers with the right skills, such as firearms training, can be deployed, improving incident-handling and the protection of the public.

Extending network coverage using a Sepura SRG gateway radio in gateway mode helps officers stay safe by enabling communications in network 'dead spots', like underground car parks or tower blocks. This functionality can be applied in many other situations to give officers a critical lifeline to stay in touch.

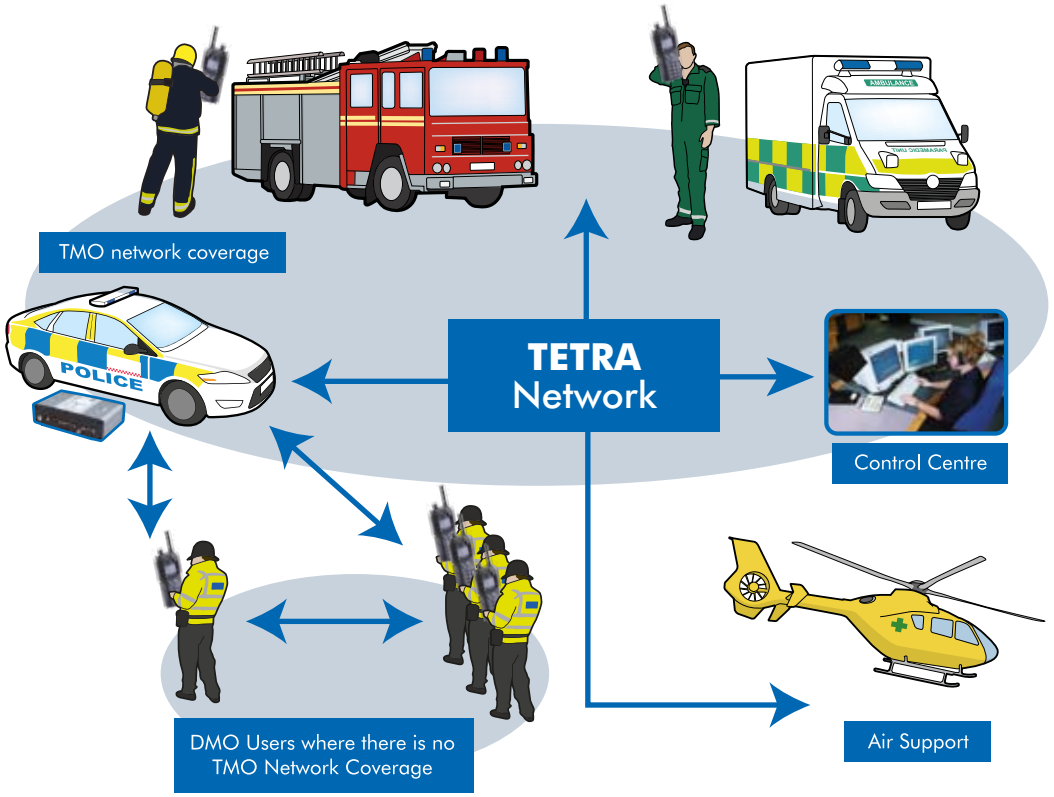
EXTENDING IN-BUILDING COVERAGE IN A COST-EFFECTIVE WAY – POLICE CASE STUDY

In many police stations the custody suite is shrouded in more concrete and steelwork than any other offices — proving a challenge for radio coverage. Officers working can be isolated, out of touch with the control room and the rest of the station. But at around £60,000, adding a second TETRA antenna to extend network coverage is prohibitively expensive, especially for a large force with many stations and custody suites.

By strategically locating a Sepura SRG gateway radio near the entrance to the custody suite and connecting it to the station's TETRA antenna, you can effectively create an in-building wireless solution that brings communications to the custody suite at a fraction of the cost — less than 10% — and disruption of installing a second antenna.

Officers maintain unbroken contact with the control room simply by switching their hand-helds to gateway mode as they enter the custody suite. If there's a problem they don't have to handle the situation alone, they can call for assistance; and they will be more aware of what is going on elsewhere in the station. And because the control room can contact them directly, it can quickly and efficiently redeploy them if necessary.

According to the TETRA deployment manager at one police force where the solution is already in use: "The option of using a Sepura gateway allowed an effective, straightforward and speedy answer at a fraction of the cost of other solutions."



"The option of using a Sepura gateway allowed an effective, straight forward and speedy answer at a fraction of the cost of other solutions."

TMO: Trunked Mode Operation
DMO: Direct Mode Operation

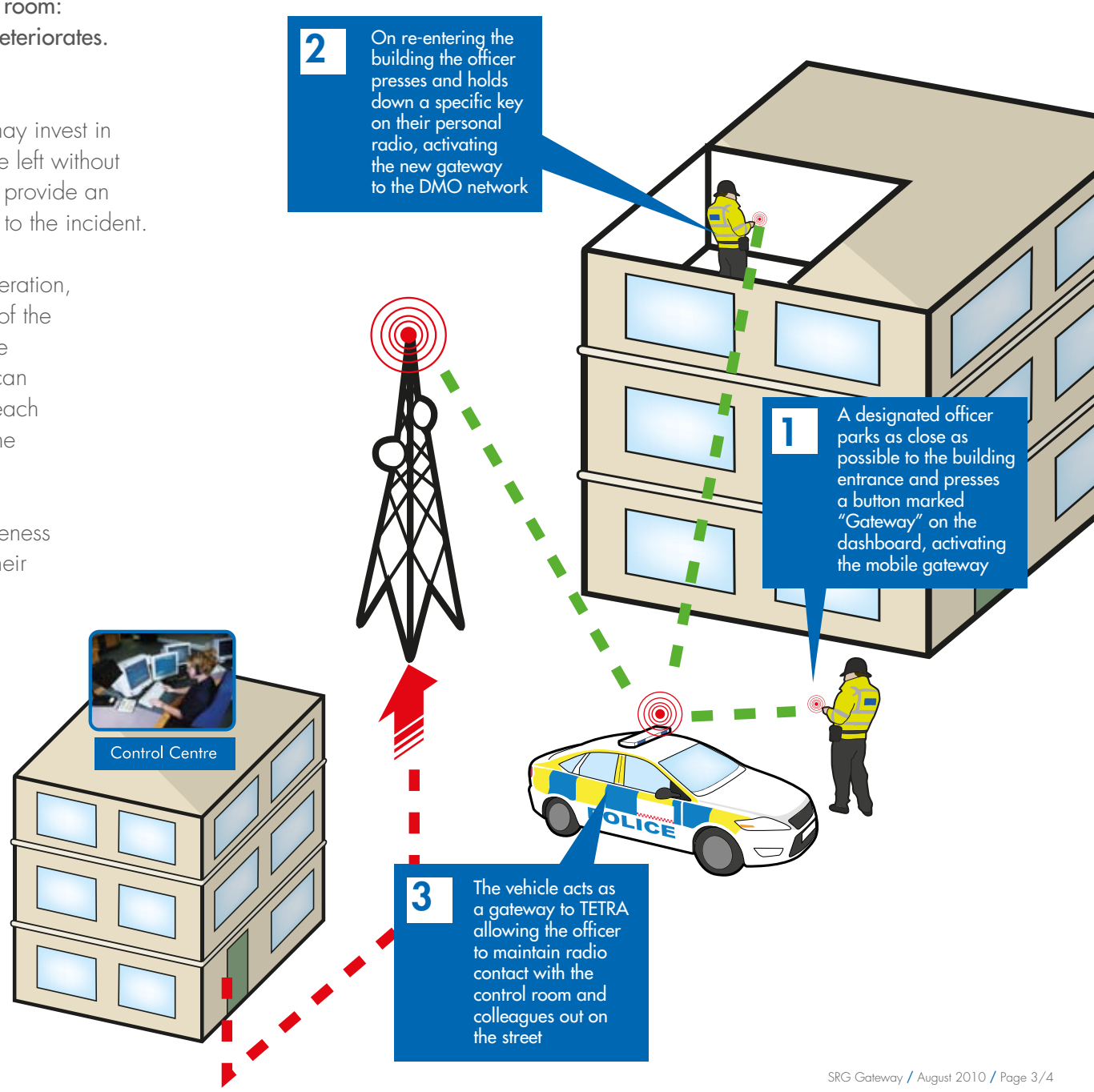
STAYING SAFE IN UNKNOWN TERRITORY

When blue light services attend an incident in a building that does not have TETRA network coverage, they lose contact with the control room: they can't report progress, or request assistance if the situation deteriorates. This can jeopardise user safety and the quality of response.

Many public buildings, like shopping centres and sports arenas may invest in a TETRA antenna to avoid this situation, but many buildings will be left without coverage. In-vehicle Sepura SRG gateway radios can be used to provide an easy-to-use mobile communication system that 'goes with the user' to the incident.

Radio users arriving at the building in question select gateway operation, this can be triggered by a switch on the dashboard, the removal of the vehicle's ignition key, by the on-board computer or even by remote signalling from the control room. Once inside the building, they can have voice and data communications with the control room and each other through the gateway. Releasing the handbrake on leaving the scene automatically switches the SRG back to TMO.

The use of gateways for the improvement of officer safety, effectiveness and confidence is acclaimed by the Metropolitan Police (UK) in their publication The Job in their June/July 2010 issue.



CRITICAL BACKUP FOR AN OUTDOOR EVENT

Controlling safety at any big outdoor event depends on ensuring adequate communications capacity for the larger-than-normal number of public safety users on duty. Even if, on the face of it, the event should be a peaceful one, the potential for disorder, accident or injury still exists — which intelligence-gathering may signal in advance. Managing a public event means preparing for the unpredictable.

If the TETRA network in the local area becomes overloaded or fails completely, radio users will be unable to stay in touch with the control room. It's a risk that's even more prevalent in a rural area where there are fewer base stations per TETRA antenna. Scaling up capacity at the nearest antenna would be technically difficult and expensive, and would not solve the problem of a complete failure and the resulting total loss of communications.

By connecting a Voice over IP (VoIP) router to an SRG gateway radio near the event's location, a police force or an ambulance authority can create a back up communication solution. The solution is quick and simple to deploy using familiar equipment.

If the TETRA network becomes overloaded or fails, cutting over to the backup solution lets the users on duty continue to communicate with each other and the control room, via the agency's IP network.This enables continued control of the event and maintenance of public and user safety.

HOW CAN WE HELP YOU COMMUNICATE?

All the innovative solutions described above are already in use by public safety organisations today. Building on the powerful, versatile Sepura SRG gateway radio, they help ensure their personnel and public safety, enable more efficient use of human and mobile equipment resources, and improve the overall quality of service.

SCR120

product **case study**

for more information visit **sepura.com**

Whatever communication challenge your force is facing, our expert consultants are on hand to discuss your requirements, and design a solution that will meet your specific needs.

Radio House
St Andrew's Road
Cambridge
CB4 1GR
UK

Tel: +44 (0)1223 876000
Fax: +44 (0)1223 879000

Registered in England No: 4353801
Registered Office as above

sepura.com

sepura