

Tetra and Profesional Mobile Radio

PMR applications are used in different cases with the goal to provide security and maintenance services mostly. In all cases security is the main issue affected by tough terrain and climatic conditions. Therefore the system greatly depends on the reliability of the PMR backbone. Digital Microwave Radio SparkWave DRL GA+ is ideal for such backbones where fast and easy installation is obligatory as well as robust design that its protected against by dust, humidity, heat or extreme cold.

Especially in very difficult terrain the active repeater, SparkWave AR, can overcome most demanding link paths and can solve the problem of power supply since its running on solar power. With SparkWave AR not only that connections without line of sight (LOS) can be established, but also link paths can be easily prolonged thus reducing expensive building costs and provision of power supply.

PMR technology is implemented in following market sectors:

- Industry and large utilities (power, oil and gas)
- Mining companies
- Municipality Transport
- Water Agency
- Public Safety (Police, Fire Brigade, Red Cross, Civil guards. Coast Guards, Border police)
- Customs
- Civil Aviation and Airports
- Narcotic Bureau

SparkWave radio is in all cases supporting E1s and Eth, thus it can provide different services from monitoring via CCTV cameras to TDM for special applications like Tetra and data communication when needed.

The signal is transmitted fully transparent so doesn't have any impact with multicasting.



Professional radio solutions such as TETRA are indispensable when establishing crucial functions such as Border Control or Public Safety services. Most usually it is mandatory to provide those services in regions which are out of hand: mountains, sea, woods, swamps, deserts, unpopulated areas without infrastructure. Microwave radio is the only solution to reach the base stations of professional radio services. SparkWave GA+, SparkWave HSP or SparkWave SDR, depending on the required bandwidth, is rock solid platforms for such purposes.

