



TETRA Network Radio Solutions & Applications

TErrestrial Trunked RAdio is an open digital radio standard developed in conjunction with European Technical Standards Institute (ETSI) to provide voice and data services to Professional Mobile Radio users including mission critical applications. TETRA uses a 25Khz bandwidth channel producing 4 Time Division Multiple Access (TDMA) timeslots using DQPSK digital modulation.

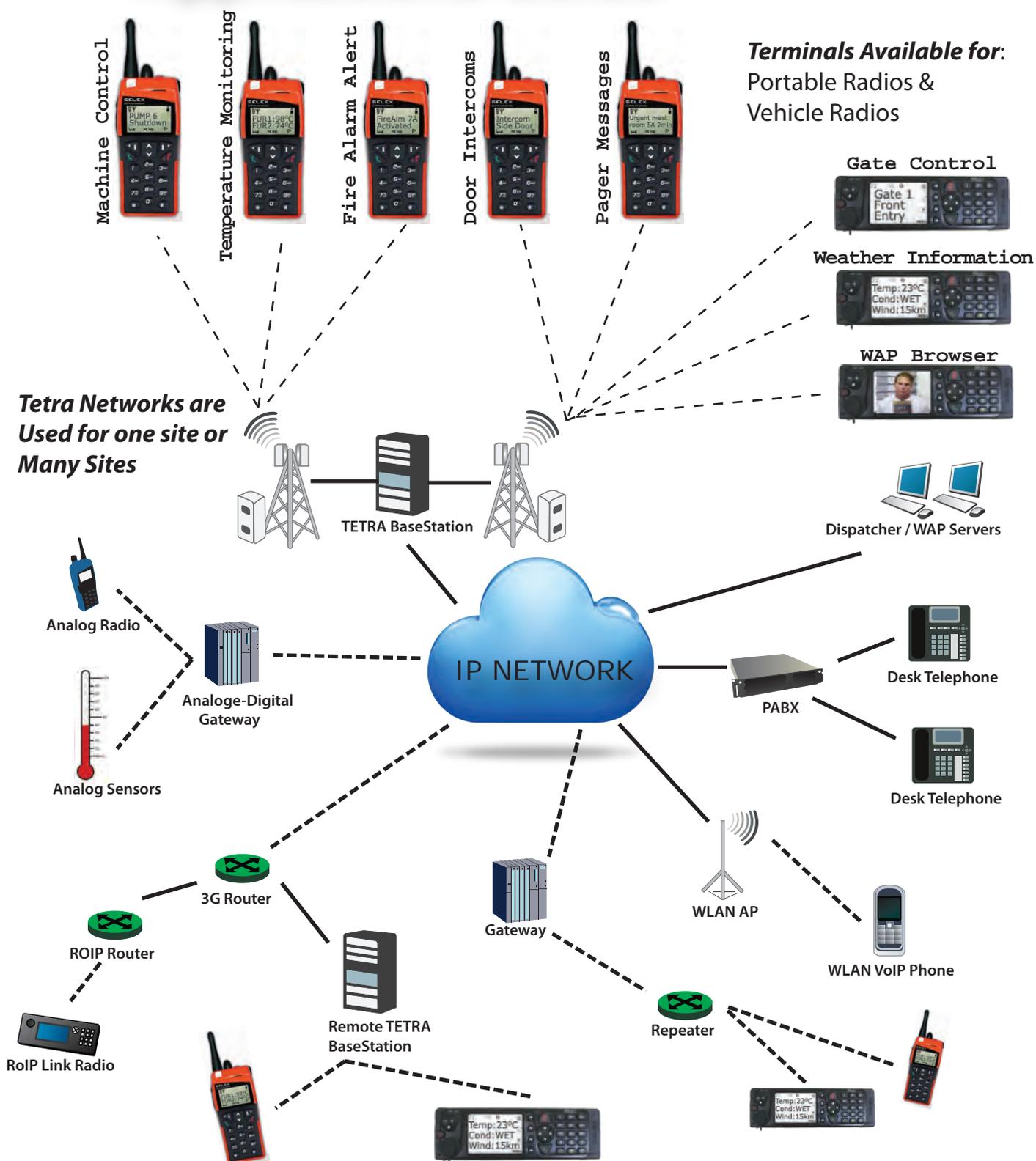
The TETRA air interface standard incorporates a digital algorithm along with TDMA modulation to provide a secure communications channel from unwanted listeners and radio scanners. Additional Air Interface or End to End encryption standards can be utilised as part of the TETRA standard making it suitable for Government and Military organisations.

- ▶ **Group communication**
TETRA Group communication is most often called talkgroup communication. User that have the same talkgroup selected in the mobile radios are able to communicate with each other on a half duplex basis.
- ▶ **Individual calls**
The TETRA individual call is a one-to-one call. It acts as 'telephone' call between two TETRA mobile radio's.
- ▶ **Short Data Services (SDS)**
The TETRA Short Data Service (SDS) is a data service that is comparable with the Short Data Message (SMS) of GSM.

- ▶ **Packet data applications include email, WAP, Internet Protocol (IP) and slow video transmission**

The following page shows just some of the vast applications TETRA systems are utilised for.

Tetra Functionality and Applications Guide



Applications Supported Over This Industrial Strength Tetra Network:

- Door / Gate / Pump Control
- Analogue Alarm & Sensor Integration
- Tunnel & Underground Coverage
- SCADA System Integration
- Duress Lone Worker Protection
- 3G remote site Coverage
- Telemetry
- IP Camera Integration
- Siren & Emergency



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