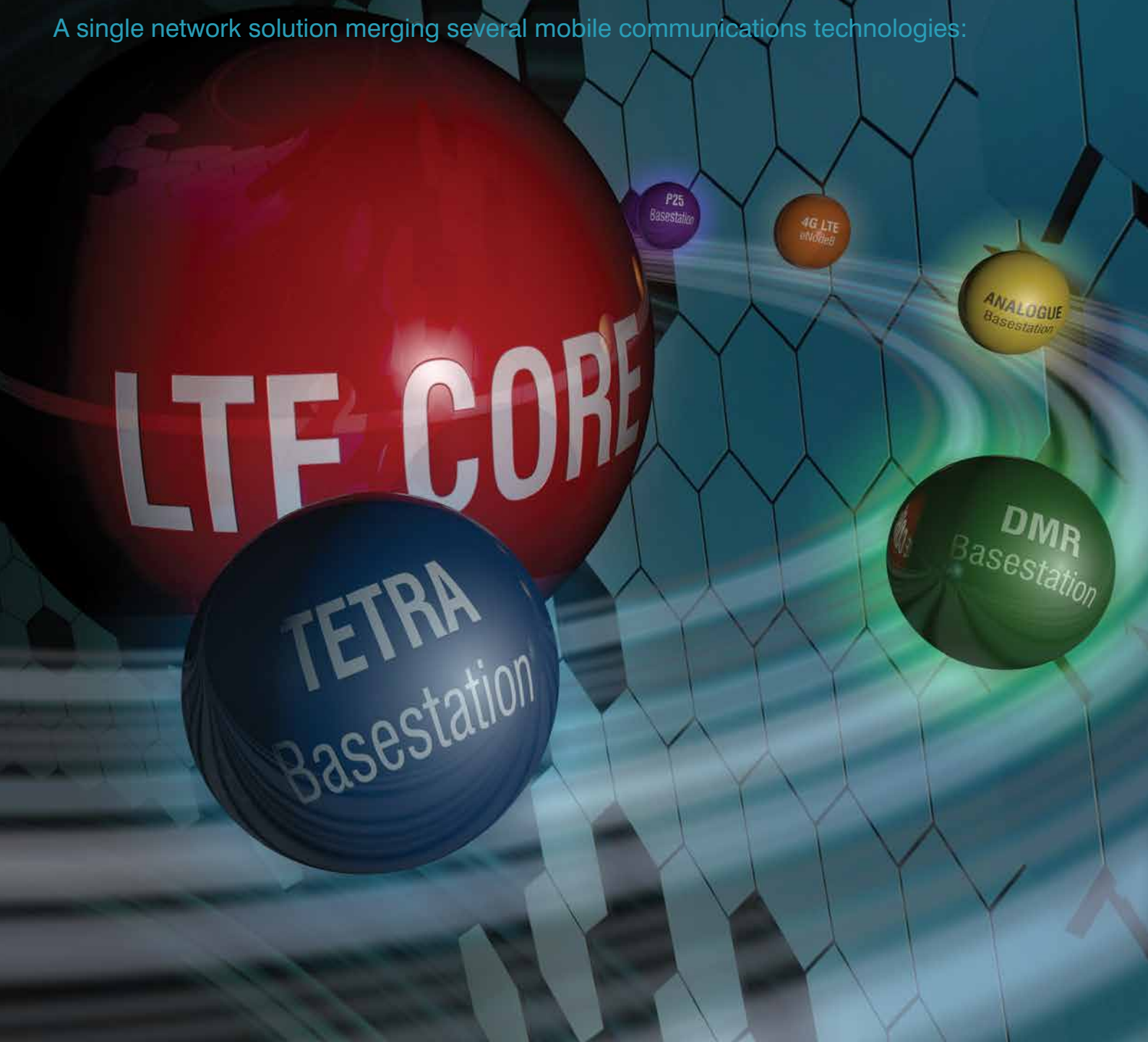


The Integration Revolution

A single network solution merging several mobile communications technologies:



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Advanced Mission Critical Communications

ETELM 4G Linked Solution

The 4G Linked range of products revolutionise radio communications by linking both Narrowband and Broadband into a single, fully distributed core network. This solution enables standard TETRA, DMR, Analogue and P25 base stations to directly connect to the same LTE Core network as 4G eNodeB cell equipment, avoiding the necessity for gateways or black boxes.

4G Linked - Advantages

- A Single Fully Distributed Network
- Integrated Broadband & Narrowband Services
- Multiple Technologies
- Groups of different technology subscribers
- Flexibility based on Coverage, Frequency & User Requirements
- Migration & Expansion

LTE EPC

- International Standard for Core Telecommunications Networking
- Multiple independent vendors offering a range of EPCs
- EPC Lite solutions scaled for 100 to 20,000 Subscribers
- Standard EPC capable of supporting several million subscribers
- Fully compatible avoiding separate switching and gateways

Inter System Interface

- Utilises the international standard LTE Evolved Packet Core
- 4G LTE + TETRA + DMR + Analogue + P25 on a Single Core Network
- Direct connection using LTE's S1 standard – No Gateways

Mobile Network Operators

- Connect different technologies onto existing EPC
- Professional Radio Services for Enterprise Users
- Integrates Broadband & Narrowband Systems
- Group Services between subscribers of any technology

Private Users

- Private EPC Lite Core network
- Integrated Radio & Smartphone solutions
- Migration / Retention of existing subscriber equipment
- Single network solution for multiple technologies

Coverage optimisation

Reliable, secure professional radio services with broadband hotspots in areas where high speed 4G services are available.

Multi-Subscriber Group Communications

Seamlessly merges Group Communications between subscribers of different technologies.

Dual and Multi-band terminals expected in the near future, allowing users to switch between services based on coverage or functionality.

Applications

- Open approach to Applications – avoids proprietary software
- Smooth migration for communications between technologies

ETELM Products

e-TBS: TETRA 4G Linked Base Stations

e-DBS: DMR 4G Linked Base Stations

e-ABS: Analogue 4G Linked Base Stations

e-P25: P25 4G Linked Base Stations

e-SDK: LTE-S1 Software Development Kit for other vendors

All of these products are linked directly to 4G eNodeB from any LTE vendor on any EPC.

IP Physical Network



Applications

