



ELETRASUITE ADAPTANET® TETRA IP COMMUNICATION SOLUTION

The ElettraSuite Adaptanet® IP, represents the company's latest TETRA solution designed to cover a wide range of system dimensions ranging from single-site systems to regional and national networks for mission and business critical applications.

Full IP connectivity and the ability to use existing LAN infrastructures as backbone support integration with existing systems, enabling customers to benefit from further cost savings. Thanks to the separation between control plane and user plane, ElettraSuite Adaptanet® IP allows the deployment of IP networks and supports customers in their choice between small-medium networks up to national architecture.

The network architectures can be realised simply through the use of Leonardo Base Stations BS Node equipment interconnected in various configurations

and coordinated by a CSP Node acting as a controller in a multi-layer architecture, supporting a multi-level fault-tolerance, thanks to redundancy, resilience and disaster recovery features.

The interconnection of several CSP Node platforms assures system expandability. ElettraSuite Adaptanet® IP provides end-users with high performance and secure encrypted communications, providing essential core services for voice and data calls as well as a comprehensive range of supplementary and enhanced services.

Supporting TEDS as wideband data transfer facility, ElettraSuite Adaptanet® IP represents a future-proof solution, safeguarding investments and guaranteeing continuous product innovation.

TETRA SOLUTIONS

The Home Location Register is stored within the Service Management Node (SMN). System management is via the x50 Network Management System (NMS), a scalable and cost-effective management solution able to provide both local and remote monitoring.

ElettraSuite Adaptanet® IP can offer IP based dispatching solutions, both as stand-alone workstation and in clientserver configuration for Control Rooms. However ElettraSuite Adaptanet® IP is also an open platform providing Application Programming Interface (APIs) through a dedicated server (CSP-CRIS) for integration with third party applications at a network level (e.g. for CAD services).

Connection to external PABX/PSTN telephony networks or different PMR systems (e.g. conventional or P25) can be realised through dedicated gateways providing ISDN PRI, VoIP (SIP, IAX, H.3223) and analogue 4WE&M (with DC5) interfaces.

ElettraSuite Adaptanet® IP also include a state-of-the-art voice recording solution, specifically designed for TETRA, capable of storing more than 100.000 hours of TETRA encoded speech, in a highly secure redoundable server. Finally interoperable authentication and encryption key management solutions complete ElettraSuite Adaptanet® IP offer in terms of security material handling, storage and distribution.



Terminals - TETRA handhelds, PUMA T4-TK (with keypad) and PUMA T4-TE (full-touch)

KEY FEATURES

- Full IP backbone connectivity
- Call Control
- Multi-level fault tolerance and disaster recovery
- Air Interface and End-to-End Encryption support
- Future proof with TEDS (TETRA Enhanced Data Service) capability for wideband data transmission.



Infrastructure - TETRA Base Station, BS Node series