

# eXTRAS

eXtensible Trunked RAdio TETRA System



## system architecture

- » Flexible system architecture for all system sizes
- » Redundant switch, gateways, scalable redundancy
- » Star topology, rings or mixed systems
- » Open system architecture, software interfaces/API,

## special characteristics

- » Exclusive assignment of network resources
- » Data applications, Secondary Control Channel for data applications with high SDS-traffic
- » Authentication
- » Ambience listening
- » Virtual Private Networks
- » Graphical position display

## base station FR400

- » According to all relevant ETSI-standards & TIP-specifications
- » Optional encryption
- » Low power consumption

## advantages

- » Intelligent base stations including all TETRA features
- » Integrated recorder for digital voice recording
- » Transportable version of base station is available

## applications

- » Traffic load tests and statistics
- » Subscriber management
- » Network management
- » Fleet management, GPS-data logging and evaluation
- » Logistics system
- » Lone worker monitoring, man-down feature
- » Integration with control centres
- » Intermodal Transport Control System (ITCS) with bus acceleration



**3T – reliable  
professional radio  
and communication technology !**

TETRA infrastructure » base stations » terminal devices  
dispatchers » gateways » voice recording » applications



## 3T – Expert in all TETRA application areas

- » Power utilities
- » Oil and gas industry
- » Municipalities
- » Airports
- » Ports and harbours
- » Industry
- » Homeland security
- » Public safety organisations
- » Public transport organisations

3T is a leading provider of TETRA systems for power utilities, BOS, homeland security, harbours, industry, airports, municipalities, public transport, oil and gas. We combine innovative products, state-of-the-art technology and comprehensive service to achieve custom-tailored all-encompassing solutions. 3T-systems convince by their absolute reliability and easy of use. Worldwide, more than 150 systems, some with more than 50 base stations, have been in reliable service for the last 10 years.

3T focuses on the development of professional radio and communication systems for specific user groups. Many years of experience, a strong network of partners and the support of the Frequentis group enhance our know-how and contribute to the development in all application areas.

The application areas of our systems may be different - one thing unites all users: The communication between all participants must work properly and without problems, after all, lives could be at stake.

## eXTRAS

eXtensible Trunked Radio TETRA System

Extendable from single cell to large and complex trunked radio networks

Decentralized IP-based network structure for highest availability and duplication

State of the art transceiver technology offers best transmission power and received sensitivity of our basestations

Best platform for all customer requirements

## All over the world, clients rely on our systems:

- » RWE Power AG, Energie AG, KELAG
- » EnBW generation plants: Altbach/Deitzisau
- » Alpha Ventus Offshore-Windpark
- » Boehringer/Ingelheim
- » Borealis
- » Paper mills: m-Real, Skärblacka
- » Municipalities: Hamm, Klagenfurt, Bamberg, Magdeburg
- » University hospital: Dusseldorf
- » Vienna light rail service
- » Refineries: OMV, Shell, PCK
- » BMW
- » Airports: Dresden, Kiev
- » Bayer

