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Vienna, September 2004

## **TETRA digital trunked radio: FREQUENTIS sends a signal from Vienna**

**FREQUENTIS, a high-tech company and TETRA technology supplier based in Vienna, began operating a Vienna-wide TETRA radio network open to all private and public users in June 2004. First customer for the Vienna TETRA network is Wiener Lokalbahnen AG, with about 15 million passengers per year one of main transport providers for Vienna and the southern catchment area of the federal capital.**

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Frequentis has been pioneering TETRA technology since the mid-1990s. The transition from analogue to digital radio has delivered a clear innovative breakthrough for radio systems used in the safety field by police, fire and rescue services, private relief organisations and even public transport companies. For many years, the Viennese high-tech company has been established as a technology partner for renowned manufacturers such as Nokia, Motorola and R&S. Now, with the development of its own base station, Frequentis is in a position to offer products and services for the entire TETRA infrastructure.

This broad basis of knowledge coupled with a wealth of experience also ensures maximum flexibility and independence of operation. For example, the handsets of all major TETRA manufacturers can be used in the Viennese TETRA network. Special gateway technologies and the comprehensive control communication expertise of Frequentis enable links to be established with the relevant control centres wherever necessary, and existing analogue radio systems or telephone lines to be integrated. Since TETRA is the standard accepted by manufacturers across Europe, it is certain to keep pace with future developments in the field of telecommunications.

**Wide-ranging functionality with TETRA technology**

The numerous advantages of digital trunked radio technology in the shape of TETRA include exceptionally fast call establishment, simultaneous voice and data communications and the option of dynamic group calling. It's no surprise that more and more organisations with safety-critical requirements (in the fields of public safety, public transport and private mobile radio) are placing their trust in the standard set by the European Telecommunications Standards Institute (ETSI). Frequentis can now offer you smooth and economical operation with its own TETRA network in Vienna.

The licence area of the Frequentis TETRA network (operation is outsourced to the Frequentis subsidiary Blue Call) covers the federal capital Vienna, the Lower Austrian border districts of Wien-Umgebung, Schwechat, Moedling and Baden and parts of the Gaenserndorf district.

**Profitable utilisation**

Mobile communication is an essential tool for any organisation needing to process on a daily basis large numbers of commands, directions or information concerning fleet planning, the control and coordination of deployments or existing/required resources. Profitable operation is based on efficient and effective communications.

Furthermore, the performance features of TETRA technology deliver a range of positive stimuli when it comes to enhancing current workflows and processes.

Frequentis is also offering a special new initiative: the temporary rental of terminals facilitates the profitable utilisation of the TETRA network for specific large-scale events or other functions. This enables customers to benefit from TETRA technology on a short-term, selective basis.

**TETRA by FREQUENTIS in Austria**

For some years, numerous energy supply companies in Austria have successfully deployed TETRA systems made by Frequentis. Fail-safe communication is central to guaranteeing a supply and is therefore one of the basic preconditions for such organisations, particularly where malfunctions are involved. State-wide TETRA networks are used in Upper Austria by Energie AG Oberösterreich and in Carinthia by KELAG (Kärntner Elektrizitäts-Aktiengesellschaft) and Klagenfurter Stadtwerke AG, which carries out its municipal tasks using a TETRA network as an integrated radio solution for supplies and transport.

**About Frequentis**

For Background Information about Frequentis please see [www.frequentis.com](http://www.frequentis.com).