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## ***KLOTZ DIGITAL AWARDED CONTRACT FOR PUBLIC ADDRESS SYSTEMS INSTALLATION IN MUNICH AIRPORT'S NEW TERMINAL 2***

**Haar/Munich, Germany** August 2001 – KLOTZ DIGITAL was awarded a contract to develop, design and install one of the most modern integrated public address systems installations at the new Munich Airport Terminal 2, scheduled to go in to operation in March 2003. In addition to providing flight information and other pertinent announcements to travelers, visitors and airport personnel, plus supplying background music, this system can either broadcast throughout the entire airport or can be localized, if necessary, to specific areas. Furthermore, the system allows personalized emergency bulletin broadcasts, with priority driven repetition.

### **The System:**

The public address system consists of 27 independently operating stations. All stations are connected to one another and to the central/main station via fiber optic cables. To ensure the necessary high safety standard, the entire system is fully redundant so that in case of an emergency or disaster, communication is guaranteed for all areas of Terminal 2.

Each station is equipped with several KLOTZ DIGITAL VADIS 880 frames for in and output connections, digital signal processors and controllers, taking care of the audio routing and communication. A separate PC based Ethernet network, developed by KLOTZ DIGITAL, is controlling all implemented system functions.

Approximately 200 configurable paging desks/terminals of various design are widely spread over the entire installation area. Each of the desks is equipped with an audio recording facility for intermediate prerecord of announcements.

To control these stations and the distribution of digital audio signals, they are connected to the main station via Ethernet network cabling. For authentication reasons all important announcements via the public address system are automatically documented and archived within the system.

A number of easily reachable fire department access desks are spread throughout the entire airport terminal. They are used to broadcast high priority announcements.

To run a speaker system with more than 11,000 loud speakers of various design, more than 600 power amplifiers (with 100V technology) are set to support groups of 10 – 30 loudspeakers each.

The VADIS software package allows instant and intelligent system management throughout Munich's new Terminal 2.

KLOTZ DIGITAL is the inventor and global market leader of digital signal processing and distribution systems for the modern Audio/Media industry. KLOTZ DIGITAL's VADIS platform architecture decentralizes the various types of signal processing and allows integration of multimedia and telematic services.