
Gehrke

Communication Systems



**Integrated
Information Management**

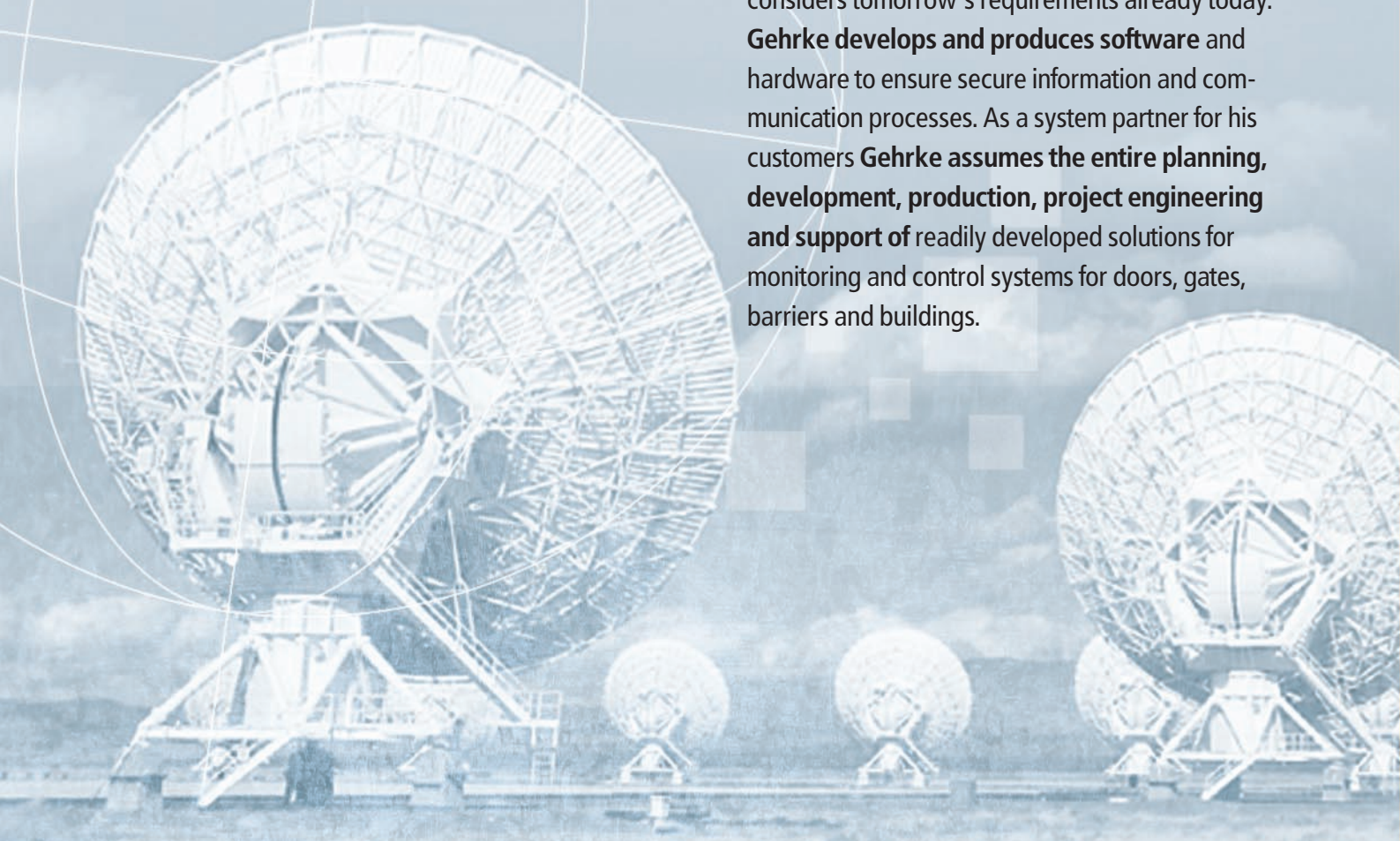
Innovative Technologies

The high-tech fields of information and communication technologies are currently subject to a fundamental change. Digital information and communication technologies will revolutionize the world in an unprecedented way. It seems as if the world had entered at high speed into a never-ending process of permanent change. Today everybody is able to perform real-time exchange of information with anybody he likes at any time, in sound and vision, throughout the world.

Innovative trends in exchange of information throughout the world

However, there are also some negative side effects which have emerged during the course of this development. Information quality and communication security are lagging behind the current speed of development. What people all over the world have considered as a minor nuisance so far has turned into a major business risk for organisations, companies and public authorities alike.

That is exactly the point where **Gehrke joins in**. As a highly-motivated technological partner **Gehrke provides** integrated information management which considers tomorrow's requirements already today. **Gehrke develops and produces software** and hardware to ensure secure information and communication processes. As a system partner for his customers **Gehrke assumes the entire planning, development, production, project engineering and support** of readily developed solutions for monitoring and control systems for doors, gates, barriers and buildings.





Innovative solutions

Gehrke will assume an important active role in the forthcoming process of change on the market of secure communication technologies. We will understand the complexity of future requirements for secure communication systems as a challenge to our spirit of research and provide innovative, future-oriented solutions for our customers as we have always done. In 1983, for instance, Multicom 3000 was the first digital intercom with a display on the market. Or Multiswitch 4000 which was launched in 1999 to be the first open system with standardized interfaces in all directions.



The **multi-functional** system solution from the control centre

up to the terminal equipment:

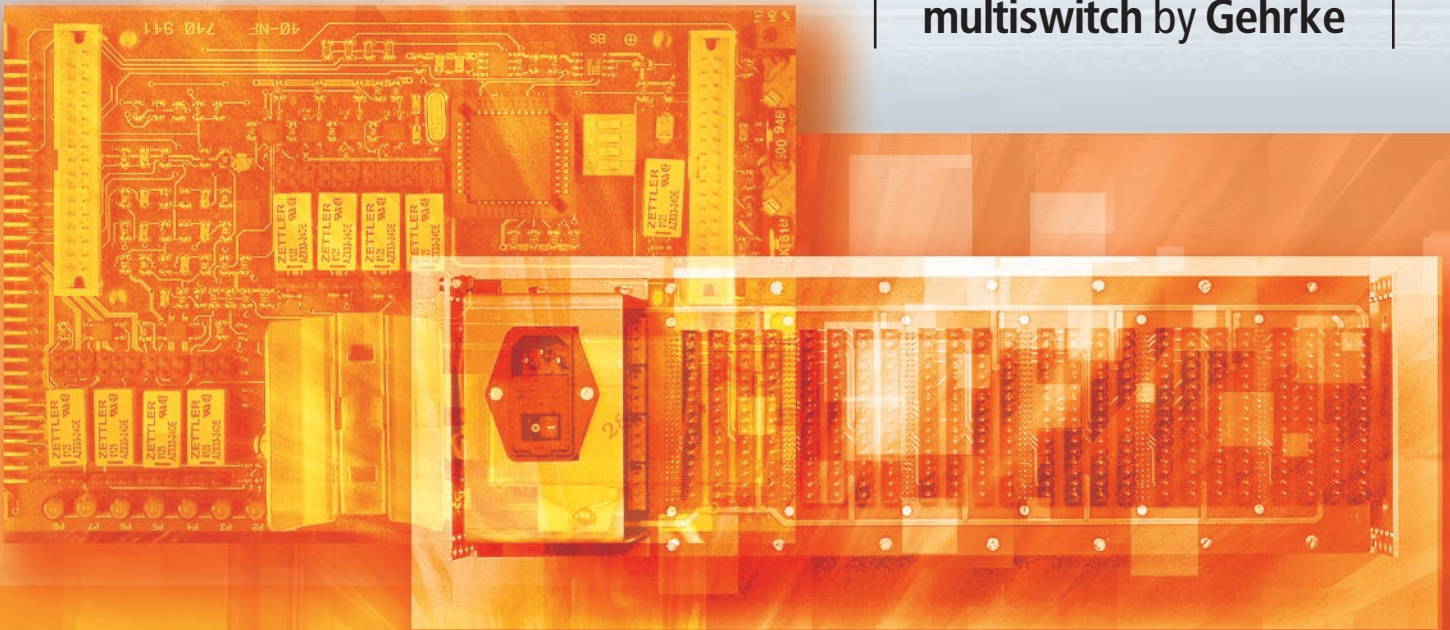
Perfect communication by means of the digital communication server **multiswitch** by Gehrke. Modular architecture, almost unlimited expandability turn this hardware into an ideal communication centre beginning with the link-up of a radio conference system, continuing with the monitoring of door conditions and emergency calls and ending with the automatic control of barriers, traffic lights and door openers.

It is compatible to existing data networks and communication technology. **Thanks to its scalable system architecture multiswitch** integrates all functional areas on one single platform. All information is gathered and clearly structured at one single point, in the future at an increasing extent via TCP/IP (Transmission Control Protocol/Internet Protocol).



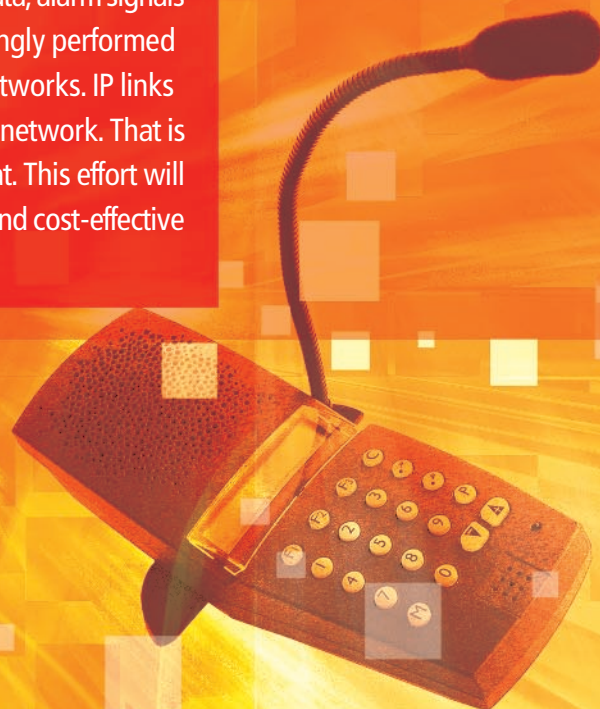
multiswitch –
*The perfect communication solution
for universal application.*

multiswitch by Gehrke



Unifying different worlds via one single network

In the future any transmission of security and communication media such as voice, data, alarm signals and video frames will be increasingly performed centrally controlled via IP data networks. IP links different worlds via one common network. That is what our developers are aiming at. This effort will result in a simplified, accelerated and cost-effective flow of information.



Integrated Business Solutions

- ▶ **GERCOM** for court-houses
 - Voice communication, control and Monitoring of doors, gates and barriers
 - Security gates management via traffic-light pre-emption
 - Monitoring of evidence rooms
 - Public address (PA) and announcement modes,
 - Call function for witnesses and court officers
 - Display of court hearings
 - Cell communication system with light signal
 - Monitoring of emergency calls from cell corridors and lifts

- ▶ **MEDCOM** or hospitals
 - Control centre solutions for gate, reception and wards
 - Entrance and access management/monitoring
 - Security gates management
 - Car park monitoring
 - Administrative and functional areas
 - Passenger and freight elevators
 - Operating rooms
 - Wards, care units
 - Evacuation

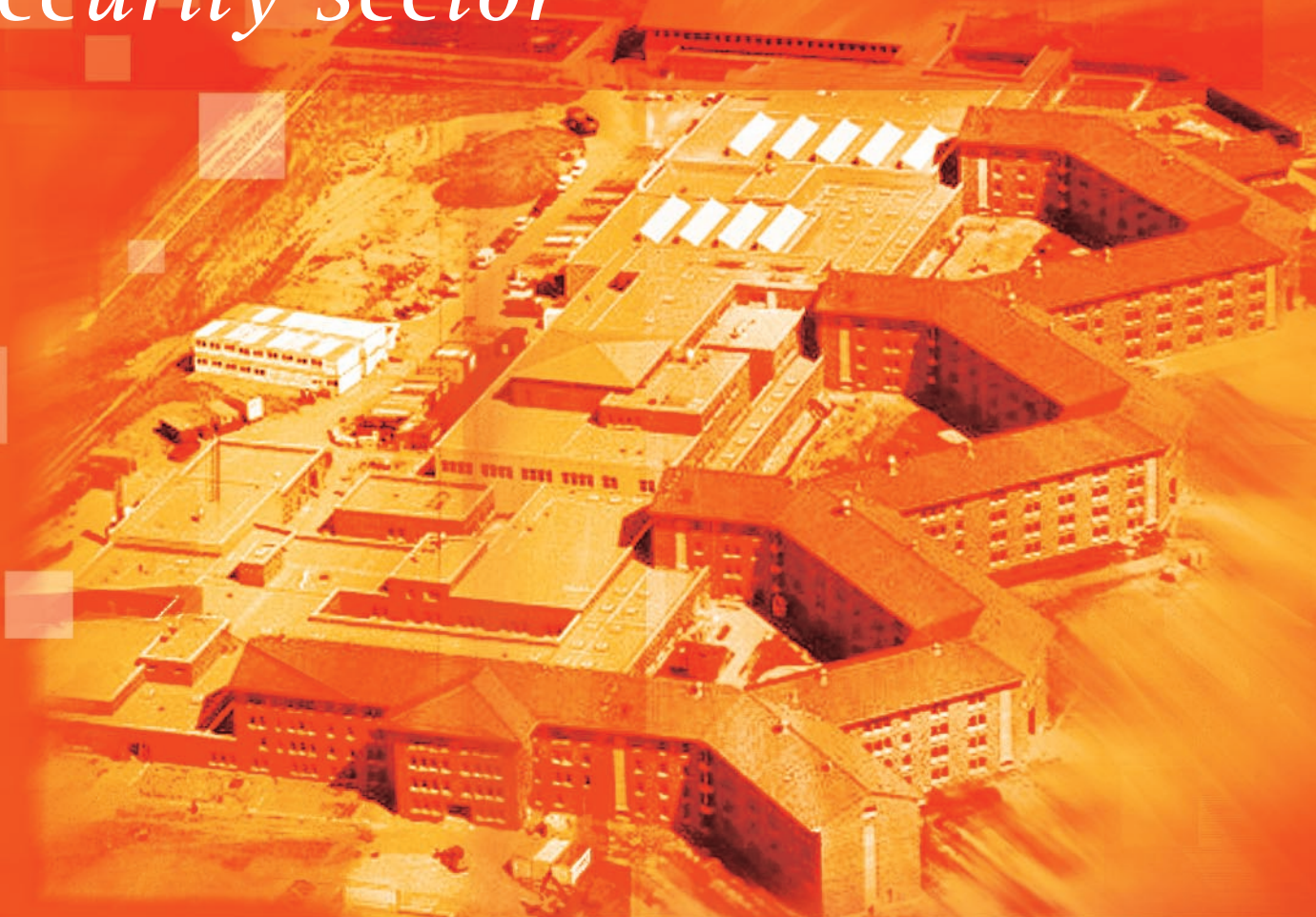
- ▶ System solution **POLIZEI**
 - Control centre solution for police stations, police departments, and police headquarters
 - Entrance and access management/monitoring
 - Security gates management
 - In-house alarm systems for cell corridors and interrogation rooms
 - Passenger and freight elevators
 - Communication with individual cells/inter-cell communication
 - Radio scanning and conference systems
 - Evacuation

- ▶ **ZELLCOM** for detention facilities/ forensic psychiatric hospitals
 - Control centre solutions for gate and security centre
 - Entrance and access management/monitoring
 - Security gates management
 - General management and administration
 - Passenger and freight elevators
 - Communication with individual cells/ inter-cell communication
 - Cell phone detection

multiswitch system solutions



*Multi-functional applicability
throughout the maximum-
security sector*



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