

Integrated Command & Control Systems

PUBLIC SAFETY

For Police, Fire, Ambulance, Disaster Management Centers, and other public safety agencies, interoperability has become the watchword. This requires command and control equipment capable of communicating with multiple agencies operating region-wide and sometimes country-wide systems. The Acom Advanced Communications System allows inter-agency communications across a wide spectrum of radio bands and dissimilar communications interfaces such as P25, OpenSky®, iDEN®, TETRA, EDACS®, SMARTNET®, SmartZone®, MPT 1327, LTR®, etc.

Communication Centers that answer emergency calls and dispatch response teams depend upon reliable radio and telephone communications to protect life and property in their communities.

Recognizing that every communication center is unique, Zetron has designed an unprecedented level of flexibility and configurability into our systems. We can tailor a Public Safety system for any size operation — from a large-scale, fully integrated command and control system to a self-contained, single workstation console.

Zetron specializes in Public Safety systems that help police, fire, rescue, and emergency medical departments effectively manage a complex network of real-time communications subsystems.

Over a thousand public safety agencies around the world depend on Zetron communication control system to help them protect their citizens.



TRANSPORTATION

Airlines, Railways, Maritime and other Mass Transportation entities often have multiple control centers scattered across large geographical distances. Acom's distributed network architecture allows seamless operation and resource sharing of voice, video, and data between control centers separated by hundreds, sometimes thousands of miles.

Whether by plane, train, or sea, the transportation of people and cargo requires the complex coordination of traffic, time schedules, facilities, security, and multiple workgroups.

To ensure safety and maximize efficiencies, control centers are equipped with communication systems that integrate mobile radio, telephone, data, and video.

Zetron communication systems are tailored to meet the unique needs of each type of transportation company.



UTILITIES

Electrical, Water, Oil, Gas, and other types of utilities depend on privately owned and controlled communication systems for efficient operations. For economic reasons, these systems are often made up of new technologies which must work with legacy equipment. The Acom system has the flexibility to handle both established and emerging communications technologies such as VoIP, LAN/WAN, and is scalable from small, two-person dispatch facilities to operations centers with hundreds of operator positions.

Many organizations operate private radio systems to manage and control workers in the field. Zetron offers products that enhance the capabilities of conventional radio systems.

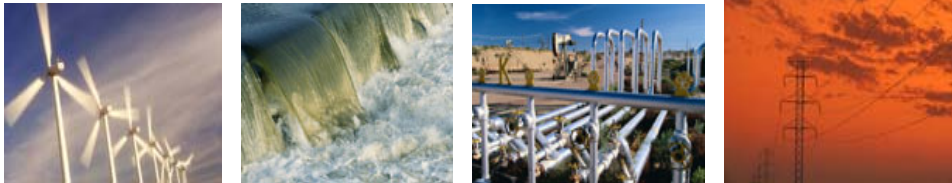
With the responsibility to provide vital services to their communities, utility companies need a comprehensive communication system that ensures efficient operations and quality service. Because utility resources such as electricity, natural gas, water, and telephone assets represent a potential danger, a command and control communications system must be capable of immediate and organized emergency deployment.

Most utility companies use a dedicated communication system for greater security and guaranteed access. Many utility companies require wireless communications for coverage in remote areas.

Zetron integrates our radio dispatch switches, site controllers, dispatch stations, and control consoles with other equipment and the public telephone network to offer a single, corporate communications network tailored for the utility industry.

Our SCADA and Telemetry equipment also plays a vital role in automating the monitoring and control of equipment and processes.

From one of the world's largest oil companies to the smallest water cooperative, Zetron is helping ensure the safety of communities around the world.



The value of a radio system increases when it is integrated with other communication services such as the telephone system. Zetron interconnects enable mobile personnel with portable radios to place and receive telephone calls. Similarly, office personnel can place telephone calls to mobile personnel as they move around the work area.

Radio integration provides desktop controllers with direct access to the radio system. Office-based personnel in regular contact with radio users can have their own radio controller that provides access to radio channel monitoring, channel selection, and emergency prioritization.

Zetron's radio system components address the requirements for value added services in a private radio system.

FACILITIES SAFETY & SECURITY

With a diverse set of workgroups tasked with maintaining the grounds, buildings, furniture, temperature, plumbing, utilities, parking, and security, most facilities management groups need a comprehensive communication system.

Facilities management need to communicate with staff that is dispersed and roaming within a building complex or site area.

Land Mobile Radio remains the preferred choice for many facilities management applications, particularly for larger areas where the cost of other wireless solutions is typically more complex or expensive.

Security, maintenance, and management personnel all benefit from a comprehensive communication system that integrates mobile radio, portables, telephone, paging, and data.

Zetron's alarm, monitoring, and control systems provide added protection of the facilities with round-the-clock surveillance, alarm reporting, and automated control.



Acom - Advanced Communication System

The Acom Advanced Communications System is a fully-digital switching and multiplexing system that represents the state-of-the-art in integrated communication console technology for mission-critical applications. Acom's end-to-end digital architecture integrates voice (radio and telephone), data, paging, and video communications to provide unmatched flexibility and ease-of-use.



The Acom Advanced Communications System is a fully digital switching and multiplexing system that represents state-of-the-art technology in console dispatch for mission-critical applications. Acom's end-to-end digital architecture integrates voice (radio and telephone), data, paging and video (via LAN/web browser) to provide unmatched flexibility and ease of use.

Operating on a high bandwidth fiber optic or copper backbone, a single Acom switch can support large capacity dispatch systems. In mission-critical applications, Acom systems can be configured for full redundancy with hot standby equipment, guaranteeing the highest levels of system integrity and reliability. Acom is the ideal solution for consolidating dispatch facilities, creating backup, remote, or mobile dispatch centers and replacing legacy communication systems.

An Acom system can range in size from a few dispatchers operating in a fixed or mobile environment, to 100+, operators located in centralized or distributed communication centers. With Acom, communication centers located in different geographical areas can be networked to provide distributed switching and wide area control for improved efficiency, greater operational effectiveness, maximum security and reliability.

Acom's Windows®-based consoles are fully configurable and offer intuitive, easy-to-use interfaces that can be easily tailored to provide any mission-specific functionality. Acom provides the ideal platform to implement new communication technologies such as Voice and Video over Internet Protocol (VoIP) and "digital-at-the-desktop" functions such as encryption.

Acom guarantees exceptional performance, superior network connectivity and cost-effective evolution to satisfy the requirements of integrated communication centers today and tomorrow. Acom systems are installed in mission-critical dispatch centers worldwide including public safety, aviation, utilities, railway and highway command headquarters, military/defense command centers and maritime communication centers.

SERVICE PROVIDERS

Individuals and small groups can benefit from mobile radio and paging services without owning private communication systems. Service providers, with local, regional, and national networks, sell service based on airtime usage and rentals.

Zetron provides infrastructure equipment that helps the paging carriers and mobile radio operators establish a cost-effective network so they can offer advanced services at competitive prices.



NATURAL RESOURCES

Ecology, agriculture, land reserves, forestry, and mining all share an obligation to preserve the quality and supply of natural resources of this earth. Diverse organizations, scattered throughout remote areas, are tasked with protecting our environment and harvesting natural resources.

Productivity is often dependent on automated processes that require constant monitoring. Zetron offers equipment that monitors and controls remote equipment and processes.

Zetron offers a range of radio-telephone systems that link remote areas with emergency services and ensure that workgroups in these remote areas can communicate with each other.

From huge mining operations in Africa to small, family-owned operations in rural America, Zetron is making a difference.



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