



Overview | Utility Solutions

Enhancing Operational Efficiency and Safety in Utilities with MCA's Carefully Curated Portfolio of Integrated Voice, Data, and Security Technology Solutions

Our nation's utilities are the backbone upon which modern society resides. Essential services, delivered by America's publicly owned and privately run utility enterprises, include the delivery of electricity, gas, water, and connectivity, as well as the removal of waste. Without these critical services, life as we know it would come to a standstill.

Whether in the realm of electricity and power, oil and gas, telecommunications, water and wastewater, or waste and recycling, America's utilities face unique challenges that demand custom-tailored solutions.

At MCA, we understand the critical role these services play and have responded with a comprehensive suite of voice, data, and security solutions designed to address the specific needs of each vertical within the utilities sector. Our solutions help organizations improve service delivery and operational efficiency, ultimately improving the lives of every American.

Our voice solutions enable expansive and seamless communication, from field teams to central control rooms, ensuring that critical information is relayed quickly and accurately. Our data solutions provide the communications backbone needed for the real-time monitoring and management of utility infrastructure, supporting everything from distribution automation to the remote monitoring of water treatment plants. All while our security solutions protect key facilities and remote infrastructure from physical and cyber threats, ensuring the safety and reliability of utility services.

When integrated, all our solutions work to improve operational efficiency, enhance safety measures, and ensure the continuous delivery of essential services. Our tailored approach addresses the unique challenges faced by each vertical within the utilities sector, providing reliable and efficient solutions that support the critical work of utility providers.



Integrated Technology Ecosystems for Electric, Oil, Gas, Water, and Waste Enterprises

Two-Way Radios and Radio Coverage Systems

Mobile Vehicle and Body Worn Cameras

Vehicle and Fleet Upfitting Services

Intelligent Video Surveillance and Analytics

High Security Access Control Systems

Perimeter and Intrusion Detection Systems

In-Building Wireless and Broadband Infrastructure

Public and Private Cellular Networking

Mass Notification and Industrial IoT Systems



MCA supports utility operations with solutions that enhance service delivery through improved communication and efficient management systems. Our solutions facilitate robust communication networks for emergency response, operational management, and critical announcements, ensuring seamless operations and improved service reliability.

Voice Solutions

Our Voice, also known as two-way radio solutions, are custom tailored to meet the ever-evolving needs of our nation's critical utility operations — reducing response times and enhancing communication, coordination, and operational efficiency across all levels of utility operations and service delivery.

Two-Way Radios and Radio Systems

MCA provides robust two-way radio solutions, including APX and MotoTRBO systems, essential for secure, reliable, and clear communication in utility operations. Upon request, we seamlessly integrate dispatch systems, like SpillmanFlex CAD and Wave PTT and Wave PTX, to enhance coordination with real-time data, intuitive interfaces, and efficient resource allocation. These solutions ensure superior coverage, interoperability, and rapid response in any situation.

Mobile Video Systems

We offer advanced mobile video solutions, including vehicle cameras and drone management systems with advanced audio. These technologies help assess infrastructure damage, provide training materials, and address customer service issues. Our mobile video systems deliver comprehensive coverage and robust support for utility field operations, offering real-time video streaming, recording, and aerial surveillance.

Vehicle Up-Fitting

Effective fleet communication is critical for utility operations, where vehicles are constantly deployed to repair and extend infrastructure. Our fleet solutions include up-fitting vehicles with mobile radios, routers, antennas, rugged laptops, cameras, and device mounts to ensure your field operatives can maintain constant communication with headquarters, access real-time data, and manage operations efficiently. Our rugged laptops and secure mounts are designed to withstand the rigors of fieldwork, providing reliable performance in all conditions.

Security Solutions

As the threat landscape evolves for our nation's utilities, our team rises to combat new and existing threats with comprehensive security solutions, safeguarding our way of life. Our video surveillance, access control, and detection systems seamlessly integrate to create more secure infrastructure and operations.

Intelligent Video Surveillance and Analytics

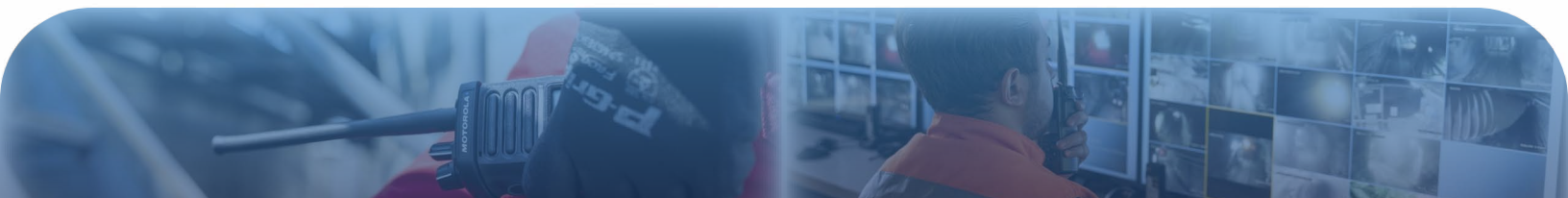
Our video surveillance cameras equipped with intelligent analytics to enhance security and situational awareness for utility operations. Our systems provide real-time monitoring, object detection, and behavior analysis, enabling proactive threat identification and rapid responses. These solutions deliver high-resolution footage and actionable insights to improve security and operational efficiency across your major facilities, key distribution points, and remote substations.

Multi-Factor Access Control Systems

Our multi-factor access control systems ensure that only authorized personnel can access sensitive areas. Utilizing advanced technologies such as biometric scanners, RFID readers, and smart card access, these systems provide multi-layered security. When integrated with video surveillance and alarm systems, it creates a comprehensive security network that protects critical assets and facilities from unauthorized access.

Perimeter and Intrusion Detection Systems

To safeguard critical utility facilities, remote sites, and sensitive areas, we provide state-of-the-art perimeter and intrusion detection systems. These solutions include technologies such as motion sensors, infrared barriers, and seismic detectors to monitor and secure perimeters. Integrated with video surveillance and access control systems, our intrusion detection solutions raise alarms that enable rapid identification and response to unauthorized access attempts, ensuring the security of utility properties and personnel.





Data Solutions

Our data solutions cater specifically to the needs of utility operations, ensuring robust connectivity and enhanced communication capabilities across all levels of operation. Combined, these solutions form a robust framework that supports the unique and demanding requirements of utility providers, fostering a connected, secure, and efficient environment.

Broadband Infrastructure

Our industry-leading broadband infrastructure solutions, enabling long-range wired and wireless communications that support wide, field, and mobile area networks. These solutions allow large utility companies to connect all their facilities and data streams efficiently while also empowering WISPs, ISPs, and CSPs to improve voice, video, and data connectivity services to their clients, ensuring reliable and high-speed internet access across expansive service areas.

Cellular Networking Solutions *(CNS)*

Our CNS team ensures broad coverage and secure connectivity for field service vehicles and remote monitoring systems. Utilizing mobile routers for service fleets and fixed IIoT routers, utilities can more rapidly dispatch field teams and remotely monitor extensive distribution automation systems and pipelines, to remote well sites, lift stations, and more. These solutions provide for efficient field operations and real-time data management, enhancing efficiency and reliability.

Mass Notification and Industrial IIoT *(MNS & SCADA)*

Our alerting solutions are vital within refineries and other utility operations dealing with potentially dangerous or explosive chemical processes and materials. Our MNS solutions enable the swift dissemination of critical information, signaling personnel to act before issues escalate into emergencies. We also deploy IIoT SCADA systems that monitor machinery and equipment such as voltage regulators and pressure sensors, ensuring coordinated responses and enhanced safety across utility operations.

Our Services

MCA is dedicated to empowering utility providers with reliable, secure, and cutting-edge communication and security solutions. As a trusted partner, we provide the expertise, support, and integration capabilities needed to meet today's complex communication and operational challenges, ensuring seamless operations and enhanced safety tailored to the unique needs of the utilities sector.

Professional Services

Our professional services offer public and private utilities unparalleled expertise in system design, installation, and implementation. With over 90 locations in 14 states, MCA's specialized field engineering teams ensure precise on-site deployments and seamless integration within existing infrastructure both inside and outside our footprint, providing robust voice, data, and security solutions across the country and around the world.

Managed Services

Our managed services deliver peace of mind through proactive system management and support. Our Service Level Agreements (SLAs) and Managed Technology-as-a-Service (MTaaS) programs guarantee high performance and reliability. SecurePlan and Microwave Network Assurance Program (MNAP) further enhance operational stability by providing continuous monitoring and swift issue resolution, allowing utilities to focus on their core missions without technological disruptions.

Integration Services

Our integration services are designed to unify and streamline utility operations. MCA's command center software, custom APIs, and application development enable seamless integration across disparate systems, enhancing situational awareness and operational efficiency. Our audio-visual solutions for NOC environments provide centralized monitoring and control, ensuring that utility providers can visualize and manage complex scenarios with ease and precision.

Partner With MCA as Your Trusted Advisor

MCA partners with a wide range of utility organizations, including electric and power companies, oil and gas operations, water and wastewater management, mining and quarrying operations, telecommunications providers, and solid waste and recycling services. Our voice, data, and security solutions, combined with our extensive service offerings, provide utilities with top-tier connectivity, security, and efficiency. With UL2050 SCIF and other secret clearances, MCA is equipped to handle projects at the highest security levels, ensuring the continuous and safe delivery of essential services.

Contact Us Today >> 800.596.8205

About MCA

MCA is one of the largest and most trusted technology integrators in the United States, offering world-class voice, data, and security solutions that enhance the quality, safety, and productivity of customers, operations, and lives.

More than 65,000 customers trust MCA to provide carefully researched solutions for a safe, secure, and more efficient workplace. As your trusted advisor, we reduce the time and effort needed to research, install, and maintain the right solutions to make your workplace better.

Our team of certified professionals across the United States delivers a full suite of reliable technologies with a service-first approach. The MCA advantage is our extensive service portfolio to support the solution life-cycle from start to finish.

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The MCA logo is displayed in a large, white, sans-serif font. The letter 'C' is stylized with a blue circular graphic element inside it, resembling a signal or a network node. The background of the entire page is a dark blue gradient with abstract, glowing white and light blue geometric patterns, including a complex network of lines and dots in the upper right corner and wavy, wireframe-like structures on the left and bottom.