Overview | Farming, Husbandry, & Horticulture

Protecting Agriculture's Future: MCA Delivers Advanced Communication, Connectivity, and Security Solutions to Our Nations Agribusinesses

Agriculture is more than an industry—*it's a legacy*. Whether it's a family farm passed down through generations or a vast industrial enterprise, the stakes are high. From ensuring the health of livestock to safeguarding crops, responding to natural disasters, and protecting against theft or predatory wildlife, modern agricultural operations face a multitude of challenges. MCA is here to provide the cutting-edge technology needed to overcome them.

MCA delivers robust voice, data, and security solutions tailored to the unique demands of agriculture. Our communication systems keep field teams, warehouse staff, and central offices connected, even across hundreds of acres and in areas with little to no cellular reception. With advanced IoT devices, farmers can monitor crops, livestock, and equipment in real time, gaining invaluable insights into operations spread across vast properties.

When disaster strikes—whether a field fire, flooding, or a tornado—MCA's solutions ensure rapid communication and coordination to protect valuable resources and minimize downtime. Our video surveillance systems deter theft, track movement in large-scale greenhouses, and help protect livestock from predators like wolves, providing peace of mind to agricultural operations of all sizes.

Agriculture is big business, requiring technology that is as reliable and resilient as the people behind it. MCA's tailored approach integrates communication, networking, and security into unified systems that streamline operations, enhance safety, and ensure productivity in even the most challenging environments. By investing in the future of agriculture, we help farmers protect their legacies while securing a thriving and sustainable industry.

Integrated Technology Ecosystems for Improve Safety and Efficiency in Agriculture

Rugged and Reliable Two-Way Radios

Radio Integrations and Interoperability

Vehicle and Fleet Upfitting Services

Intelligent Video Surveillance and Analytics

Multi-Factor Access Control Systems

Perimeter and Intrusion Detection Systems

Fixed, Portable, and Mobile Cellular Networks

Private Wireless and Industrial IoT Systems

Mass Notification and Alerting 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 solutions are tailored to meet the unique demands of agricultural operations. From coordinating field teams across expansive properties to ensuring seamless logistics operations, MCA delivers rugged, reliable, and hands-free communication solutions designed for the challenges of modern farming.

Two-Way Radios and Accessories

MCA provides durable, high-performance two-way radios and accessories, including Motorola MOTOTRBO systems, built to withstand harsh agricultural environments for both purchase and rental. These radios deliver crystal-clear communication, ensuring that teams stay connected across fields, greenhouses, and warehouses. Hands-free accessories, such as headsets and push-to-talk devices, enhance safety and efficiency by allowing workers to communicate without interrupting their tasks.

Radio Integrations and Interoperability

To ensure uninterrupted connectivity, we offer radios capable of operating on Wi-Fi, CBRS, cellular, and radio channels. This redundancy is critical in areas with limited infrastructure, ensuring seamless communication regardless of the conditions. Our solutions also include incident management applications for handling workplace injuries and emergencies, as well as work order ticketing systems to streamline equipment repairs.

Vehicle and Fleet Upfitting Services

MCA equips agricultural logistics vehicles with essential communication tools and technologies to support efficient operations. Our upfitting services include the installation of mobile radios, routers, rugged laptops, secure mounts, and advanced antennas, ensuring constant connectivity and data access for vehicles transporting supplies, livestock, or crops. These solutions are built to endure the rigors of agricultural work, keeping teams connected and productive while optimizing logistics and transportation efficiency.

Security Solutions

As the agricultural sector evolves, so do the threats it faces. MCA provides security solutions designed to protect farms, greenhouses, processing facilities, and more. Our systems enhance safety, safeguard critical assets, and ensure seamless operations across expansive and often remote environments.

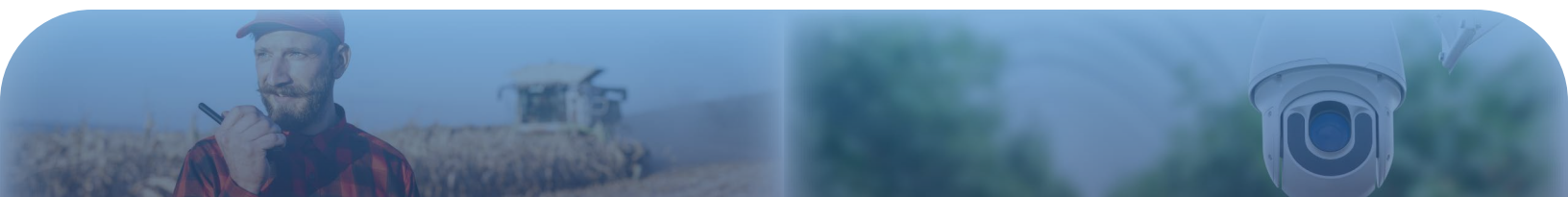### Intelligent Video Surveillance and Analytics

Our advanced AI-enhanced surveillance systems, bolster security and situational awareness for agricultural operations. These systems offer real-time monitoring, object detection, and behavior analysis, allowing for proactive identification of threats such as theft, vandalism, unauthorized access, and animal attacks. High-resolution footage provides actionable insights to secure facilities, monitor livestock areas, and improve operational efficiency across fields, barns, and processing sites.
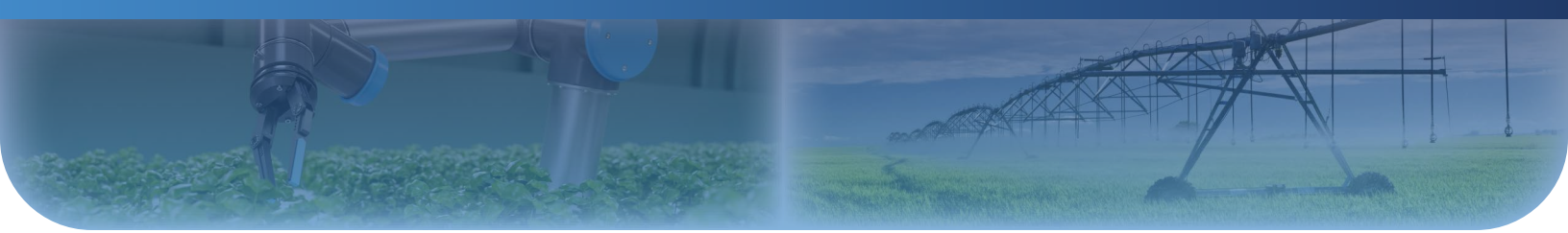
Multi-Factor Access Control Systems

Our access controls protect equipment yards, storage facilities, and locations housing animal medicines or industrial chemicals. Using biometric scanners, RFID scanners, and smart readers, these systems ensure only authorized personnel can enter restricted spaces. When integrated with video surveillance and alarm systems, they form a comprehensive security network to prevent unauthorized access and insider threats.

Perimeter and Intrusion Detection Systems

MCA's perimeter and intrusion detection systems safeguard your agricultural lands, properties, and structures from suspicious activities, unauthorized entries, and wildlife threats. Using advanced technologies such as motion sensors, fence monitors, infrared barriers, and seismic detectors, these systems monitor and secure perimeters. Integrated with video surveillance and access control, they provide real-time alerts, enabling rapid identification and response to security breaches, ensuring the safety of personnel, livestock, and assets.

Data Solutions

MCA's data solutions are designed to address the unique needs of agricultural operations, providing reliable connectivity and advanced communication capabilities to enhance productivity, streamline operations, and ensure safety.

Fixed, Portable, and Mobile Cellular Networks

Our cellular networking solutions deliver connectivity tailored to diverse agricultural needs. Fixed networks support office operations, grain dryer monitoring, and industrial equipment oversight, ensuring seamless data transfer and operational continuity. Portable cellular kits provide temporary connectivity in the field for seasonal operations, enabling teams to stay connected in remote areas. Mobile networks enhance logistics by supporting communication for fleet vehicles and enabling rapid location of expensive mobile equipment, optimizing operational efficiency across vast properties.

Private Wireless and Industrial IoT Systems

For advanced indoor operations like industrial greenhouses, MCA deploys private wireless networks and Industrial IoT systems to connect autonomous machinery and other equipment. These solutions enable real-time monitoring and automation of complex processes, improving efficiency and maximizing output. Whether tracking environmental conditions, managing irrigation systems, or coordinating robotic machinery, these systems ensure precision and control for data-driven decision-making in modern agriculture.

Mass Notification and Alerting Systems

In regions prone to tornadoes, floods, and other natural disasters, MCA's mass notification systems are critical for ensuring the safety of personnel and resources. High-powered audible sirens, integrated with radio alert systems, provide rapid dissemination of emergency information. These systems enable swift evacuation or response, reducing risk and streamlining coordination with local emergency services to protect lives, equipment, and crops during crises.

Our Services

MCA is dedicated to empowering your operations with reliable, secure, and cutting-edge communication and security solutions. Our service teams provide the expertise, support, and integration capabilities necessary to address the complex challenges of modern farming, ensuring streamlined operations, enhanced safety, and improved productivity tailored to your unique needs.

Professional Services

Our professional services deliver unparalleled expertise in system design, installation, and implementation. With over 90 locations across more than 15 states, MCA's specialized field engineering teams ensure precise deployments and seamless integration with existing infrastructure. From family farms to large-scale industrial greenhouses, we provide tailored voice, data, and security solutions that support the demands of agriculture, ensuring reliable operations across vast and remote environments.

Managed Services

MCA's managed services provide peace of mind through proactive system management and support. Our Service Level Agreements (SLAs) and Managed Technology-as-a-Service (MTaaS) programs ensure the performance and reliability of critical systems. SecurePlan offers continuous monitoring and swift issue resolution, allowing agricultural operations to focus on production, logistics, and crop management without technological disruptions.
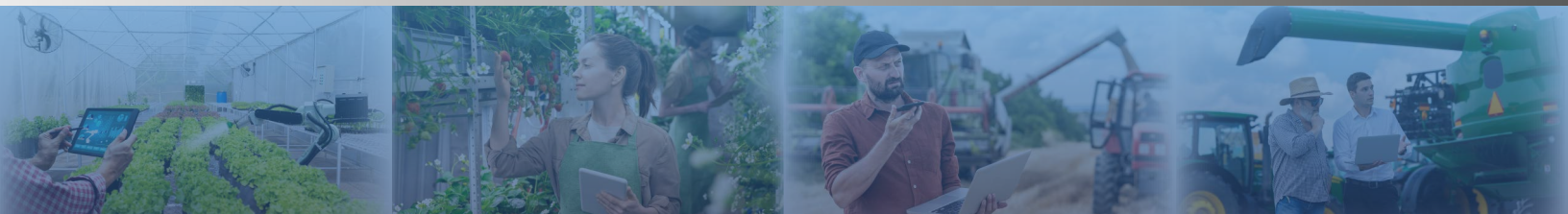
Integration Services

Our integration services unify and streamline communication, networking, and security systems for agricultural operations. MCA's custom APIs, application development, and advanced monitoring solutions enable seamless interoperability across voice, data, and IoT devices. From centralized control of irrigation systems to real-time security monitoring of livestock areas, our integrated solutions improve situational awareness, operational efficiency, and decision-making, helping agribusinesses tackle their most pressing challenges with confidence.

Partner With MCA as Your Trusted Advisor

MCA partners with a diverse range of agricultural operations, from family-owned farms to large-scale industrial agribusinesses and advanced greenhouses. Our voice, data, and security solutions, combined with comprehensive service offerings, deliver reliable connectivity, enhanced safety, and operational efficiency. MCA's expertise ensures tailored solutions that protect valuable assets, optimize processes, and enable the seamless operation of critical agricultural activities, helping farms thrive in an increasingly complex and competitive industry.

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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