Projects in the News

ZKAccess Security Solutions protect People, Property and now - Livestock

Overview:
ZKAccess video surveillance and access control technology is being used all over the world to protect people and property. Now, thanks to the innovation of Ohio-based integrator Casey Smeller, it has been successfully deployed to safeguard livestock, as well.

A long-time integrator and specifier of physical security solutions, Casey was recently called upon to, interestingly enough, provide access control and monitoring for a client's chicken coops. Casey assessed that without proper security automation and monitoring, his client's chickens would remain in peril. If trapped inside the coops at the wrong time, the chickens could potentially be exposed to dehydration and heat exhaustion. If trapped outside the coops at the wrong time, the chickens could be exposed to extreme temperatures, dangerous predators and/or poachers.

Challenges:
As an interim solution, Casey initially installed motorized chicken coop doors and controlled the doors with a mechanical timer so they would open and close at preset times. But using a "timer" with pre-sets inherently added more unwanted problems. For instance, intermittent/uncontrollable power outages triggered the chicken coop doors to open/close at dangerous times. As such, the doors needed to be monitored visually all the time. To overcome power outages, Casey then installed a UPS to ensure constant power. But, the use of a timer didn't address the concerns over severe temperature changes and predators/poachers.

Solution:
To overcome the limitations of a door timer, Casey installed a ZKAccess C3 access control panel linked to a ZKAccess box camera. Now the doors are on a time schedule that can be adjusted for daylight savings time or changed easily to account for seasonal sunrise/sunset variances, as well as keep accurate time regardless of prolonged power outages. Door status can be visually inspected on a monitor and subsequently open or close the doors remotely, as needed. Additionally, Casey has added a ZKAccess Galaxy PTZ surveillance camera so the chickens can be observed when they're outside their coops. The entire system is all working using the ZKAccess v5.3 management software. The final steps of the install have been completed with the addition of a door contact to confirm door status other than visually, along with "lighting control" Casey achieved by connecting the C3 panel's Aux Out to a 3rd party 48V LED panel from vendor Tii Technologies http://www.tiitech.com/

Results:
Casey reports that the "Chicken Casa" project is working great! "The ZKAccess security solution has enabled me to control door access to the coops, which has literally saved the lives of his client's chickens. I can also visually inspect the door status and open or close it remotely, as needed," he says. "I've added a ZKAccess Galaxy PTZ surveillance camera in the exterior enclosure so the chickens can be observed within their Eaton Flextray coops or found within the yard where they often are free to roam. This is all working beautifully using both the ZKAccess 5.3. and CMS software."

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About ZKAccess: ZKAccess is a leading provider of biometric (fingerprint and/or face) and RFID solutions. Product offerings include Access Control readers and panels, Near & Far-range Facial Recognition Cameras, Elevator/floor access controllers, IP and AHD cameras, Turnstiles and Consumer products including fingerprint-based battery-operated Biometric Door Locks. Its solutions are multi-lingual and localized in over 18 different languages. ZKAccess designs specialized products for specific markets and provides local customer support to its North American customers. Its U.S. facility includes a large global showroom and warehouse. Based in Fairfield, NJ, ZKAccess is a division of ZKTeco, a leading global developer of security and time management solutions. ZKAccess is synonymous with technical innovation, quality, speed-to-market and reliability. For more information, please visit http://**www.zkaccess.com.**

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