

## ***Security***

AiCE (a Division of Guttman & Blaevoet) designs security systems for many types of facilities including indoor grow facilities. Some of the systems most commonly used in these facilities include access control and intrusion detection for any of the normal personnel access points (doors), and windows that could be compromised by potential intruders. Access controls can take the form of card key access, key pad access or biometric reader access controls. These coupled with electrified door hardware and door position switches provide a secure perimeter to the facility. Break glass detection would be used for any vulnerable windows.

Closed Circuit Television (CCTV) is another system that is commonly deployed in grow facilities. The cameras are normally located at the perimeter gated entry points, along with fence perimeter depending on the length of fencing. If the fence perimeter is long then other methods of detection such as microwave detection can be deployed. The CCTV camera system can be set up for motion detection video capture, which minimizes the amount of video memory required for continuous monitoring. This, along with lighting controls and timestamping, allows for detailed coverage of the facility perimeter, intruder identification and possibly determent. Indoor CCTV is also normally deployed to monitor entry pathways for entering and exiting, staff operations, movements and product movements.

By employing all of these systems in a comprehensive, inter-related security system, products are kept secure and accounted for. These systems can also be integrated with inventory control barcode systems or even Radio Frequency Identification (RFID) systems to track product movements throughout the facility. For more information on security in indoor agriculture facilities, visit us at [www.GB-AiCE.com](http://www.GB-AiCE.com) or contact Jeff Blaevoet at [jblaevoet@gb-eng.com](mailto:jblaevoet@gb-eng.com).