

Case Study

PROTECH HARVESTING CANNABIS MARKET SECTOR

Quick Facts:

- Regulations stipulate perimeter fencing & gates that enclose outdoor grow operations, **must** have full video surveillance to identify activities within 20 ft. of perimeter exterior.
- G-FENCE 600Z integrated with existing video surveillance and CAST LED lighting to illuminate the area of the fence upon an intrusion, met budgetary requirements for customer.
- 2013 - 2018: 25% of Colorado visitors listed cannabis as a reason for visits.
- Marijuana legalization revenue accounts for est. 3% of \$30 billion State budget.

Colorado Cannabis Operation gives G-FENCE 600Z a Thumbs Up!

Background

On January 1, 2014, Colorado became the first state to legalize recreational cannabis and since then, has surpassed \$1 billion in total cannabis-related revenue. Companies have made more than \$6.5 billion in sales over the past five years; April & May of 2019 showed the highest grossing months since legalization*.

Much of the legal marijuana market revenue (which accounts for about 3% of the state's \$30 billion budget) goes toward education, health care, literacy services and drug prevention programs.

Industry regulations in Colorado stipulate that facilities must have a complete video surveillance system with a minimum camera resolution of 640x470 pixels. Camera placement must allow for clear identification of any individual on the licensed premises. All perimeter fencing / gates that enclose an outdoor grow operation must have full video surveillance with the ability to identify activities occurring within 20 ft. of the perimeter's exterior.

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Overview & Challenges

We cannot disclose the name of the facility, however this case study outlines how PROTECH is able to solve physical security challenges in this market sector.

At 2,000 sq. ft., it is one of the smaller facilities in Colorado, however it maximizes the interior space.

Prior to PROTECH's fence-mounted solution, the facility had cameras with an intrusion alarm. The perimeter fence lacked controllable relays for detection.

The biggest issue was integration of the lights with the relay of PROTECH's controller because it is not field selectable.



Number one need: Enhanced security over cameras.

Number one challenge: Integration with lighting system.

Number one restriction: Budget cost.

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About Us:

PROTECH has been designing, manufacturing and marketing perimeter intrusion detection systems to protect people, property and assets at sensitive sites for more than 40 years. PROTECH systems give early warning of threats such as detecting an intruder before they access the facility.

Based in Reno, Nevada, PROTECH is proud of its American roots and ability to respond to the immediate needs of its customer base with a responsive sales team and technical support staff.

Our systems are made or assembled in the USA along with our sister companies in France and Canada.

Solution

PROTECH's G-FENCE 600Z system was installed to secure the perimeter at a reasonable cost and within budget. False alarms were eliminated thanks to tight programming of the IP Graphic User Interface.



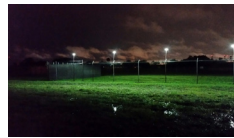
G-FENCE 600Z



G-FENCE



G-FENCE Accelerometer



CAST LED Lighting

G-FENCE 600Z is PROTECH's accelerometer-based intrusion detection technology that consists of cable, accelerometer sensor and control unit (can be solar-powered or hard-wired relay). It detects cuts, climbs and lifts of the fence and can eliminate false alarms thanks to its x-y-z axis "smarts". Unlike competing systems (fiber / microphonic) where detection occurs in the cable, PROTECH's G-Fence detects through the sensor so cable cuts are easily repaired. The accelerometer sensor is highly robust and has zero impact in wind and rain. Alarms are ignored.

Find out more [here](#).

Watch this [video](#) and this [one](#).

Integration

Secure All Solutions (SAS), the local Colorado security system integrator on the project has continued to use PROTECH's light-enabled intrusion detection solutions for other cannabis grow operations based on system proficiency and depth of experience with sophisticated integrations.

Secure All Solutions consistently seeks the best security and surveillance solutions for its customers and when it comes to cannabis grow surveillance, PROTECH is *always* part of their recommended solution. SAS continues to partner closely with the PROTECH team in this market segment.

Result

"Compared to competing systems, PROTECH surpassed them and currently we are experiencing zero false alarms," said SAS.

SAS complimented the PROTECH team for being extremely knowledgeable and friendly.

"I would highly recommend PROTECH to others – they have experience and they stand behind their product."