

Featherbrooke Estate selects VideoIQ to secure the perimeter & pre-warn of incidents, improving safety & reducing their dependency on patrols & guards.

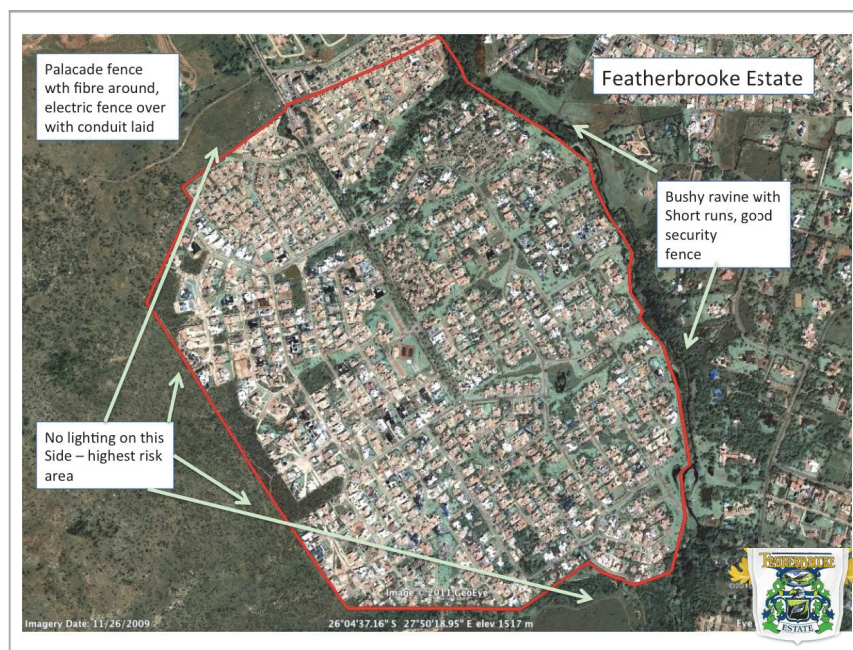


The Challenge

The residents of Featherbrooke Estate (www.fbestate.co.za) in Gauteng, insist on knowing that they are safe in their homes day & night. As one of the most prestigious estates in South Africa, the home owners did not want to compromise on security on their perimeter yet still wanted to maintain the rustic & rural ambiance of the setting while working within a very reasonable budget.

The most significant challenges they faced included:

1. Early warning of possible incidents on the perimeter in all conditions without false alarms
2. Reduce costs & dependency on patrolling guards & camera operators for detecting
3. Highest possible video quality for forensics, without requiring expensive & redundant networks/bandwidth
4. Low civil works, operation & maintenance costs
5. Protection from lightning strikes
6. All within a limited budget along with quick & modular deployment



The Solution

After considering several options Featherbrooke Estate decided to install VideoIQ's HD SmartGuard iCVR devices. The solution was quickly installed on the perimeter & integrated into the estate's control room by SysControl Secure (www.syscontrol.co.za) - one of VideoIQ's accredited partners, & preferred supplier to Featherbrooke Estate, using a combination of technologies. The result is a perimeter electronic guarding system that isolates each pole, dramatically reducing the risk of damage and outages from lightning strikes while also eliminating the risks associated with mains power outages or running mains power along the entire perimeter.



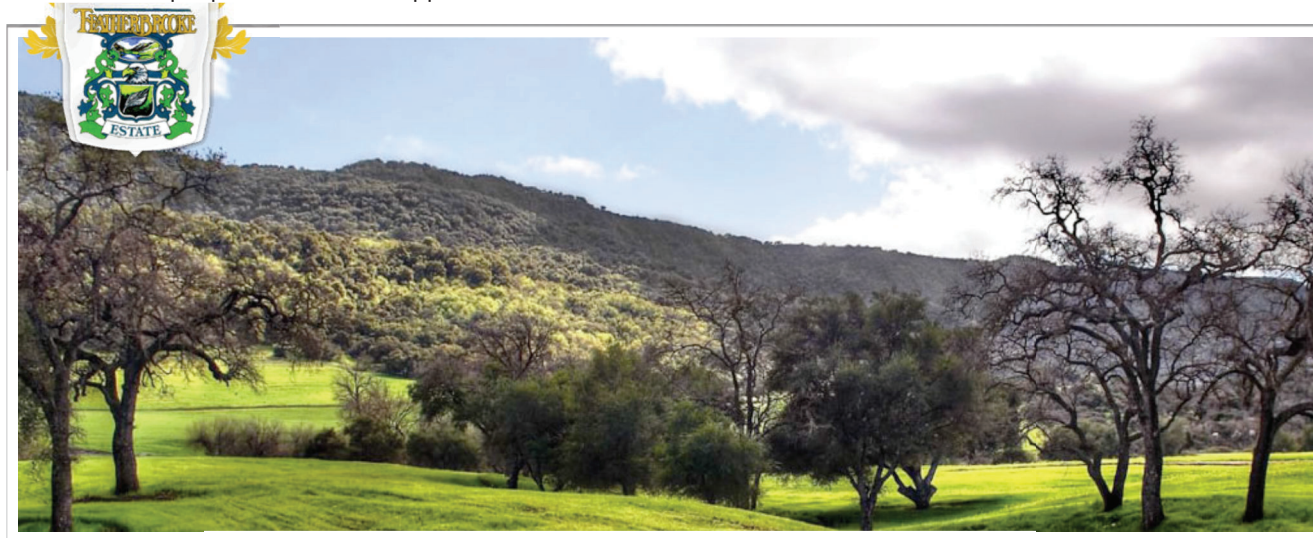
The final design includes :

- ◆ VideoIQ Full HD SmartGuard Systems with IQ Track, remote motorised focus & various early warning rules set per device
- ◆ High power infrared LED directional illuminators from Tekno Europe
- ◆ Solar panels with battery reserve at each pole for power supply to illuminators & HD SmartGuards for lightning isolation
- ◆ Korenix Industrial Layer 2 network switches & multimode fibre network linked to the control room

The Result - Improved Security & Reduced Guarding Costs

Now Featherbrooke's control room operators are notified of any potential threats or incidents before they happen by triggering video alarms on the outside of the fence, preempting incidents before any possible breach.

Further, guards can now instantly respond to any incident with accurate, current information on the exact location, description & count of people or vehicles to apprehend.



Reasons for Selecting VideoIQ

Cost & ROI - As VideoIQ requires no servers or other hardware infrastructure the cost of installation and implementation has not just saved overall system costs (such as storage, software licenses & expensive networking hardware) but also reduced the indirect costs of extra guards, beams, fences or control room staff to monitor screens. Also, being fully scalable means that if Featherbrooke want to change or expand they can simply add more devices without modifying or upgrading existing infrastructure - they can simply add VideoIQ units as & where needed!

Detection - minimising false alarms often caused by rain, animals, vegetation or anything moving that is not a human or vehicle was key for an effective system. Responding to actual events using true intelligent analytics that have proven to be the best available means that guards and controllers have a real tool to ensure proactive surveillance. Also running all the technology inside a single device ensures that the control room is not bombarded by video streams or false alarms.

Network - as each VideoIQ iCVR acts as an independent device with it's own rules and storage, there is no need for an over robust network or constant streaming. The solution at Featherbrooke simply involved mounting the units on poles at the perimeter and connecting them back to the control room via the network.

Installation & Training - VideoIQ iCVR's install just like any PC on a network so Syscontrol were able to pre-configure and quickly install them on site when the poles were in. All that is required for the control room is a Windows PC.

Storage and Retrieval - as each device manages it's own storage there is no requirement for DVR's, NVR's or any special hardware or software licenses at the control room, making Featherbrooke's design simple and easy to maintain. At any stage a controller can quickly interrogate the system to retrieve video or specific events.

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