



The Ndlovu Trumpeter

Stafix Electric Fence and Security Centres

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James, Paarl Branch Manager with Paddy at our New Paarl Branch



New Paarl Branch interior



2019 Has started with a bang and we have literally been at it **Balls to the Wall** from the start of January with many shows, shop openings and product developments. The "Out and about" section is packed full. Where does the term **Balls to the Wall** come from? Although the real origin is very benign, many people assume it is a reference to testicles, which it is not. Turn to page 10 where we have a few appropriate Aviation linked stories and you will find the answer.



QUALITY EQUINE ELECTRIC FENCING PRODUCTS



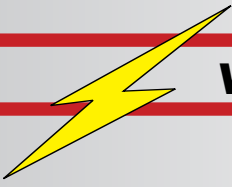
2019/2020

A PRACTICAL GUIDE TO ELECTRIC FENCING FOR HORSES AND PONIES

www.stafix.co.za



STAFIX ELECTRIC FENCE AND SECURITY CENTRES



WATERFALL COUNTRY ESTATE DONATES

JVA ELECTRIC FENCE ENERGIZERS TO TIMBAVATI PRIVATE NATURE RESERVE TO ASSIST IN RHINO CONSERVATION

After a successful electric fence upgrade by Elf Rentals at Waterfall Country Estate, several surplus second-hand JVA electric energisers became available once the project was complete.

With the assistance of Elf Rentals and Stafix JVA, Waterfall Country Estate is excited to announce the donation of these surplus Stafix JVA electric fence energisers to the Timbavati Wildlife Protection Programme's anti-rhino poaching initiative.

Grant Poole (Estate Manager) and Jacques J van Rensburg (Head of Security, Technology and Guarding) from Waterfall Country Estate, handed over the energisers to Edwin Pierce (Warden at Timbavati) at a short ceremony held at Waterfall Country Estate on 12 December 2018.



Waterfall energizer handover to Timbavati (12th December 2018)

*Those present left to right: Chris Brown (ELF Rentals),
Edwin Pierce (Timbavati Private Nature Reserve),
Jacques J van Rensburg (WCEHOA), Grant Poole (WCEHOA),
Vernard Vertuin (Stafix JVA), Andrew Laing (ELF Rentals).*

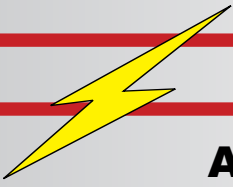
Chris Brown and Andrew Laing from Elf Rentals and Vernard Vertuin from Stafix JVA were also in attendance. Timbavati Private Nature Reserve, founded in the nineteen fifties is situated within the Greater Kruger open system. The reserve falls within the internationally declared Kruger 2 Canyons UNESCO Man and Biosphere, and within the Great Limpopo Transfrontier Conservation Area (GLTCA).

The Reserve also forms part of the Associated Private Nature Reserves (APNR), which is a conglomerate of privately-owned nature reserves. In 1993, fences between Associated Private Nature Reserves and the Kruger National Park were removed to encourage wildlife migration, and the Greater Kruger National Park was born.

With the ever-increasing demand for natural products such as the rhino horn, across our borders, the rhinos at Timbavati have become a target. The Timbavati Wildlife Protection Programme/Rhino Anti-Poaching Unit which was set up to fight the demand, have had to start looking at proactive measures in which to shorten response times and catch poachers before they reach the rhinos.

The energisers that have been donated to Timbavati will help to shorten the fence zones allowing the Rhino anti-poaching unit to respond quicker and more accurately to any attempted breaches on the perimeter.

The Timbavati Wildlife Protection Programme fighting rhino poaching relies on donations for field ranger equipment and training. Should you wish to further support this initiative please take a look at the Conservation page on the Timbavati Website where banking details are provided.



ANPR

AUTOMATIC NUMBER PLATE RECOGNITION

Stafix Security Centres are proud to announce the arrival of a new ANPR camera range, working in conjunction with Dahua Technology. Also known as LPR or Licence Plate Recognition, these are specially designed cameras capable of dealing with the challenges associated with capturing number plate data due to factors such as vehicle speed and low light conditions (resulting in vehicle headlights being turned on as well as reflective number plate materials.) ANPR or Automatic Number Plate Recognition is the added ability of embedded software on an LPR camera which allows the camera to analyse, store and create a searchable database of the alphabetic and numeric variables found on number plates. This database allows many added features that allows a user to fully automate an entrance or exit to a property.

ANPR Access Series

This series comprises an economical yet feature-rich solution which could easily be integrated for residential and light commercial applications.

Features include:

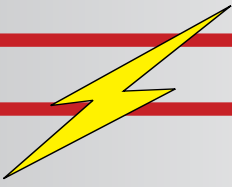
- Embedded ANPR software operating a maximum of 2 lanes at a top speed of 60km/h
- Number plate cut-out, overview snapshot and video recording per vehicle/incident
- White-List database which can be pre-loaded with up to 10 000 number plates
- 2 Channel relay outputs/inputs which can integrate to multiple automated entrance and exit applications such as sliding gate operators, boom gates, safety beams and loop detectors
- The input/outputs can then interface with the white-list function. Once the ANPR camera captures a number plate which has been pre-loaded onto the white-list, the relays can be triggered to open the automated entrance or exit
- On the opposite side of the spectrum, the black-list function could be preloaded with number plates that are not allowed entrance to a property or if criminal activity is suspected. Or, vehicles could be allowed to enter, send a GSM or internet based alarm to a relevant party and not be allowed to exit again, effectively trapping the vehicle on the property.



ANPR Ultra Series

The Ultra Series caters for applications where either high speeds are a concern or to ensure traffic rule enforcement. This series has all of the above features and includes:

- Embedded ANPR software operating a maximum of 2 lanes at a top speed of 200km/h
- Intelligence Analytics function which can detect speed, red light and retrograde traffic violations
- Increased shutter-speed and up to 50 fps to capture fast moving objects
- Built-in heater, lamp and image stabiliser
- Multi-faceted integration with flash lamps, loop detectors and radar detectors.



WHY STRIP GRAZE?

WHY STRIP GRAZE?

Ask any farmer, 'What is the advantage of strip grazing?' and inevitably the answer will be, 'It reduces wastage.' Quite right, but there is more to strip grazing than just reducing wastage. In this article I will look at some of the not so obvious benefits of controlled grazing systems.



What is strip grazing?

Strip grazing is a method of pasture grazing management whereby animals are given controlled access to pasturage. They may be limited to the amount or the time they have access to the pasture. Either way, their intake is controlled and the pasture managed to reduce wastage and prolong and maximize production from it.

What are the advantages of Strip Grazing?

- Yes, controlled or strip grazing does reduce wastage. However, it offers a great deal more than this;
- It also gives the animal access to clean, uncontaminated, fresh pasturage, on a regular basis;
- They are forced to eat what is before them giving the farmer control over their grazing;
- However, so as to avoid this having a detrimental effect upon milk production, the lactating cow herd can be moved quickly on to clean fresh pasture lest they are deprived of any nutrients; The grazed pasture can then be cleaned up using heifers, dry cows or even sheep;
- Wastage from trampling and contamination by dunging is reduced;
- What's more, the dung is evenly spread across the pasture and trampled in by the animals' hoof action;
- This concentrated hoof action also helps to till the soil and reduce compaction;
- The denseness of the pasture will also definitely increase with the regular 'mowing' of the grass by the animals;
- The result of the greater volume of grass obviously means increased carrying capacity;
- Further, keeping the pasture short will encourage the growth of clovers, which will help reduce fertilisation costs – (Just look at some lawns.);
- As has been attested by many sheep farmers, the quick rotation of the animals on the pasture will also break parasite life cycles resulting in reduced parasite infestations and foot problems.



What is the cost of implementing a Strip Grazing Management System?

A complete electric fence strip grazing kit with energizer, tread-in supports, and poli-wire can cost anything between R3, 500 and R10, 500 depending on the length of wire required, the species to be controlled and the choice of energizer. Half the cost of a cow to significantly increase carrying capacity and profitability – it's a no brainer.

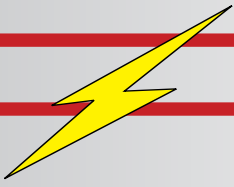
Strip Grazing Pointers

It is important that pasture grass is grazed at the most nutritious stage of its life cycle. If you find that the grass ahead is getting away, return the herd to the grass that has been rested and that is ready to be grazed again and ensile or make hay of the grass that is getting away, before it becomes rank.

While the high density grazing will result in all the grass species being grazed evenly, it is very important to back fence once a strip or camp has been fully utilised. Back fencing protects the grazed pasture by preventing the animals from grazing the re-growth before it is ready. Re-grazing too soon will deplete the root reserves and weaken the pasture.

Incidentally, two of my old Varsity Profs at Natal University, Prof Scott, in Pasture Science and Prof Kotze, in Animal Science, used to say, 'Show me a farmer with the best looking cattle and I will show you a farmer with the worst looking pasture,' meaning that the pasture is underutilised, resulting in rank patches and a lot of wastage as the cattle have had the best pickings. The converse is also true. Think about it, it's a delicate balance to get it right both ways.

(By M.J. Williamson (Bsc. Agric)
(C.E.O. Stafix Electric Fence Centres)



CAVEAT EMPTOR

Let the buyer beware

We have over the past year unfortunately experienced a few incidents where our, and our customer's staff, as well as other unethical people, have purchased product using a customer's credit facilities.

While we have strict accounting procedures on our side to prevent any such incidents recurring we earnestly request that if you have an account with us, to please be careful who you allow the freedom to purchase on your account. (Friend or staff.)



Our staff are trained to request order numbers, or at least a job name, when taking orders from our customers. If they do receive an order number that are not in line with a customer's normal sequence or is contrary to the customers usual buying patterns, they are trained to phone and follow up and confirm if the order is legitimate. Regrettably this not always possible.

There have also been incidents where staff are doing private jobs and putting the stock purchased onto their employer's account intending to pay "in the meantime". So please ensure that you receive your monthly customer statement that is sent via email around the 7th of each month, and please check these statements against your records to make sure all purchases made are indeed correct and are for your account.

To make life easier, we would also strongly encourage regular customers to make use of purchase orders - a (PO) system. A valid purchase order makes sure the right information is received by us and allows us time to be able to plan and pack your orders and have them ready for you.

Below are three reasons why having a purchase order (PO) system will help us both:

1. To get orders right the first time.

Purchase orders provide accurate documentation of what has been requested and ordered. In the case of a dispute this allows both parties to go back to the original PO and to compare and identify where the problems have arisen.

A PO should be dated, list the items descriptions, their codes where possible, the quantity required, their price and discount negotiated, and the delivery or collection instructions. A written PO leaves little margin for errors that are sometimes made when placing orders verbally.

2. To help manage your projects and purchases better.

A PO system fixes costs up front before a job begins. Further, the purchase order number assigned to a job description will enable you to allocate your costs correctly to a contract thereby ensuring that you are costing your jobs correctly.

A good purchase order system starts with the right job quotes. If you want accurate POs, you must calculate correctly actual purchase order quantities and determine costs before a project commences.

From our side a PO enables us to also plan ahead for your needs so product is available when your contract commences.

3. To save you or your employees time.

When you receive an invoice that references your PO number you or your employee can quickly determine if the bill is legitimate and has been correctly billed. The invoice can then be entered into your accounting system recording the purchase and delivery thereby also updating your stock levels and helping you easily keep track of jobs in progress.

SUPER HERO IN THE MAKING

When adding the amazing detection power of Roboguard and mixing it with the extraordinary monitoring power of JVA, then you are on the brink of creating Greatness.

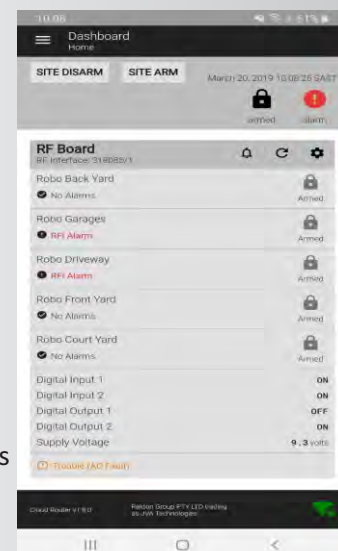
We are in the final stages of testing the all new JVA Radio Frequency Interface (RFI) board, that is designed to monitor 433MHz RF security devices such as Roboguard Beams, Indoor PIRs and Outdoor PIRs. It can also be paired with RF remote controls (key fob) and Roboguard Handheld Remotes for easy Arming and Disarming. Each paired RF sensor provides a monitored zone for generating an alarm when the sensor detects an intruder.

This unit can operate as a stand-alone alarm system through the addition of a siren and strobe, however the addition of a User Interface makes the entire system enjoyable. These options include a 4-Line Keypad and the Cloud Router™ application.



Features:

- Can Supervise and control up to 8 Zones
- Can be paired with up-to-20 remotes
- Alarm reporting available for each zone
- Powered from a 12V DC external source
- Easy to customise the device to suit varying site requirements
- Many programmable functions available for Inputs and Outputs.



And probably the best feature is that you can supervise and control your JVA Electric Fence Energizer and RF Sensors on the same integration.

INTERSEC DUBAI 20-22 January 2019



Dewald Minnie and Lucas Scheepers from JVA Security Systems joined CathexisVision at Intersec Dubai in January this year to demonstrate their 3rd party integration into the Cathexis System. CathexisVision communicates via Ethernet with a software package called JVA Perimeter Patrol, which in turn monitors and controls one's electric fence energizers.

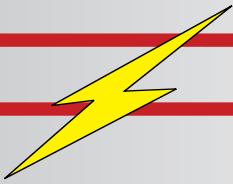


Data is displayed in CathexisVision via a configurable overlay, which is placed over a CathexisVision video feed. Zones, zone sectors and fence statuses are displayed on the overlay. All device events are entered in the database and multiple cameras can be assigned to a single zone or zone sectors and viewed in the database.

Events can also be filtered in the integration

database. When more than one energizer's Input/Output board are added, they can be assigned to an object group and events can be triggered on that group.





AN AFRICAN SUCCESS STORY

We are so used to hearing of projects initiated for the benefit of the people and wildlife of Africa falling apart that to hear of one that we were involved in from the very beginning, over fifteen years ago, is still fully operational and is thriving was music to our ears.

In 2002 we were approached by a Dutch lady, Ms. Yvonne Verkaik, representing an organisation calling itself the Rhino Fund Uganda enquiring about electric fencing to secure the 58 Km boundary of a tract of land they had acquired some 170 Kms north of Kampala near the village of Nakitoma. I must admit my first reaction was, 'Oh, oh, here we go again, another well intentioned European greenie Save the Rhino project that will come to nothing' I'm delighted to say how wrong I have been proved and from zero rhinos in Uganda there are now 27 on Ziwa Rhino Sanctuary.

We have over the past few decades been involved in a number of 'Save the Rhino' projects, most of which I regret to say have come to nothing. Funding is generally the biggest obstacle. Well-meaning Europeans come to darkest Africa with Pollyanna ideas of saving Africa's wildlife and soon come face to face with the realities of our beautiful but unforgiving continent. They soon find out if they want to get results it's not just a case of driving around in a fancy air-conditioned SUV's issuing instructions and expecting things to happen. No, one has to get down and dirty and muck in. This Yvonne did.

Two years after first making contact with us Yvonne arranged for Maurice Williamson, our company CEO, accompanied by Tubby Hardman, a leading wildlife fencing installer, to fly up to Ziwa to train her staff and install the first two Kms of boundary fence. They spent a week there training and erecting and when they left it was up to Yvonne's 28 game guards to complete the project. This, we were informed, they had successfully done, even dividing the 58 Km fence line fence line into twelve sectors for quicker reaction - and then no more was heard from Ziwa.

So, you can imagine our surprise when in December 2018, fifteen years later, we received an email from a Madame Angie Genade, the new Executive Director of Rhino Fund Uganda, requesting us to send a representative up to Uganda to train her new staff and generally inspect the electric fence. Up flew Gavin Bulford, our roaming ambassador and trainer, and to his surprise he found there a fully functional electric fence that has been operating successfully for the past fifteen years. What's more, on the ranch where fifteen years ago there were none. It now boasted 27 rhino with two new calves expected in March.

We congratulate Madame Angie and her truly dedicated crew of rangers on a successful well run project and in helping to preserve Africa's vanishing wildlife.

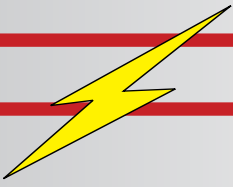
The sanctuary is now open to the public seven days a week from 07.30 till 18.00 Hrs.



Note 15 year's erosion round pole & fence still standing sturdy.



Gavin Bulford & his Ugandan trainees.



REPORT

Useful Titbits from Gavin's Report to the Ugandan Rhino Fund Electric Fence Project

The fence line and construction was found to be stable and sound after fifteen years. This is nothing short of remarkable. It shows that the fence team has kept the power flowing throughout the fence line all this time by careful fence maintenance.

There is a marked fundamental difference between *fence maintenance* and *fence upgrade*. It is the latter where there was room for improvement. **The following tips may be of help to others in a similar position.**

Fence upgrade

- We started by inspecting the fence line. The wires that travel from tension point to tension point were all intact. However there was loss of power due to numerous poor joints.
- The easy way to overcome power problems on an existing fence is to increase the size of the energizer or reduce the length of fence line to which the current energizer is connected. Neither of these solutions were practical in the circumstances and did not address our main concern which was the electronic properties of the fence.
- The main problem was poor continuity and the transfer of electricity, as a considerable amount of power was being lost along the fence line and at the tensioning points due to bad and rusty old connections.
- Electronically sound connections are necessary and are very important and they cannot be achieved by simply twisting two wires together! These poor connections 'bleed' current, the lifeblood of the fence, as it travels further from the energizer until ultimately at the end of the fence line there is only a fraction of the voltage with which it started.
- The answer is to use only line clamps to join wires. (See the article on page 6) The team set to work and, by replacing the twisted joints with line clamps on a section of the fence, we effected a vast improvement reducing the amperage from 8 to 0 amps and achieving an increase of 1000 Volts!
- The shocking capabilities of the fence will also be improved by adding hot dipped galvanized earth spikes every two hundred metres along the fence line which will improve the effectiveness of the overall earth grid.
- Remember that high amperage readings indicate a leak or loss of power and a consequent loss of voltage along the fence line.
- The Ugandan erection team were soon identifying weak spots, discussing possible solutions and then putting them into practice.



Energizer Maintenance

The heart of any electric fence is always the energizer and powering this Rhino Project fence are 6 solar-powered stations powering one Stafix X12i, and 5 Stafix B12's which are still running after all these years.

Finally we did the following:

- We checked every part of the electronics from the connections of the solar panels onto the batteries, to the connections to the energizer, as well as the wiring from the energizers to the start of the fence line.
- We overhauled all connections between the solar panels, battery and energizer by cleaning the battery terminals, removing any corrosion and finally adding grease to seal the battery terminals thereby reducing corrosion in the future.

All this will give the electronics a new lease on life just as we have done to the fence.

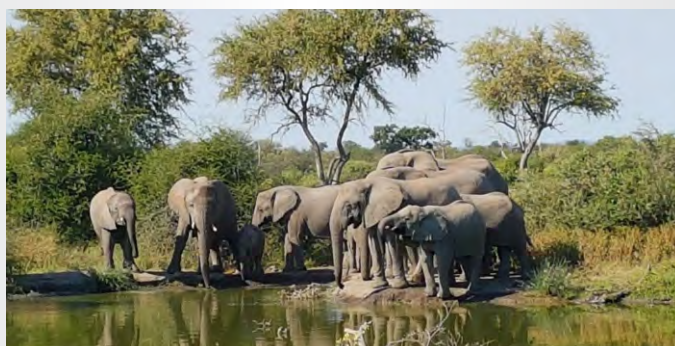
This training has given the team the ability to maintain and upgrade the fence but it is their wonderful passion and drive that will ensure that many more years will be added to this electric fence around the rhino sanctuary and ultimately will give the animals and the people the safety and security required.

TWO ELECTRIC FENCES, TWO DIFFERENT STORIES

Last month Shaun visited Limpopo Liphadi in Botswana where we used the latest JVA SV10 solar energizer to protect the small plane from elephant damage. Limpopo Liphadi is over 20,000 hectares and was fenced by Tubby Hardman 12 years ago. Since then they have added some JVA ZM1 monitors and Perimeter Patrol to monitor the boundary and help prevent Rhino Poaching.

The reserve has many elephants and one potential problem they have is massive elephant damage to everything. As a result electric fencing is used to protect everything from chalets, to pumps, to solar stations, to vehicles and now even aircraft.

On a sadder note, a pilot in the Western Cape experienced the wrath and strength of an electric fence when upon landing he hit an air pocket and lost directional control.



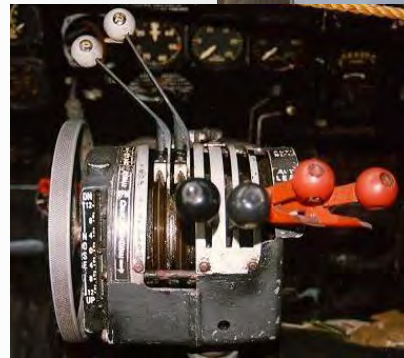


After losing directional control upon landing, the Cirrus SR22 aircraft crashed into a single strand electric fence protecting the runway from animals. The strong 2.24 HSS wire cut deeply into the wings bringing the plane to a stop and causing a prop strike. A very expensive landing for the owner of this beautiful plane.



“balls to the wall”

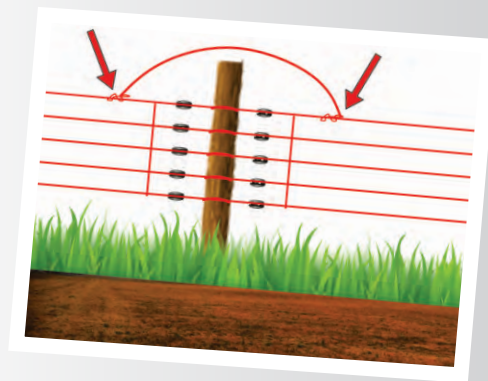
The expression “balls to the wall” comes from the World War 2 where on the large twin and four engined bombers each of the engines throttle levers would have wooden “ball” like knob on top of the levers. As soon as pilots had finished dropping their bombs over their targets and turned for home, the call was made “Balls to the Wall”, and the pilot would push all the engine throttle forward to the firewall maximising acceleration and speed and “Giving it All” so they could return back home as fast as possible avoiding chasing fighter pilots and ground to air fire.



JOINTS

How important are secure connections along a fence line?

Just how important is it that you tightly secure the joints along an electric fence-line? The answer is quite simple – very! It's right up there with good earthing. In fact, bad connections to the earth stakes will nullify your efforts at establishing a good earth. Good joints are especially important when it comes to long game fence-lines and especially if you are installing more advanced monitoring systems such as Perimeter Patrol or a JVA Low Voltage Monitoring System.



As we all know – or should know – the law requires that all electric fence joints be clamped, or ferruled or soldered and that joints involving unlike metals must be sealed using bitumen or a similar sealant eg. Denzo tape. This is because poor joints lead to: a loss of voltage caused by arcing, accelerated corrosion or electrolysis, and to radio and television interference. (This is the reason why Telkom and SATV representatives, who were experiencing problems from poorly earthed and jointed electric fences, took such an active role in participating in the compilation of the SANS 10222-3:2016 specifications.)

To ensure that the line clamp makes good electrical contact between the two surfaces being joined they are supplied with two washers. These washers create a larger surface area for better conductivity and further, when joining two wires of dissimilar diameter, they enable the clamps to close evenly.

Finally, when maintaining your electric fence it is recommended to annually check the line clamps. Ideally the best time to do this is on a hot summer's day when the metal clamp is fully expanded.

Quality Portable Paddock Kit

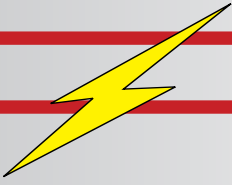


A robust easy to set up 6m x 6m paddock. The Kit is ideal for hard or soft ground and consists of the following:

- 1 x Value Reel with 25m, 40mm Horse Tape
- 1 x Reel Stand with Gate Activator
- 1 x Gate Handle and Buckle
- 3 x Corner Posts
- 4 x Robust post mounting pegs
- 4 x 1.5m Pig Tail Tread ins
- 4 x Guy Ropes
- 4 x Tent Pegs
- 1 x Carry Bag.

Recommended Energizer JVA SV2





OUT AND ABOUT



Cameroon Customers for Training



Derick receiving his Long Service Award



Bloemfontein Solar Installation



Francois getting his hands dirty



Cathexis open day



West Rand open day



Brad receiving his Long Service Award



Alistair receiving his prize at West Rand open day



Dr. Dwight Lock receiving his prize at West Rand open day

OUT AND ABOUT



Alex JVA Australia summing Table Mountain with Paddy



Lucas up high



Boyz in the 'hood



German Customers Visiting



Marketing on wheels



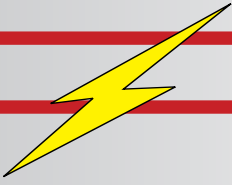
Derick, Daleen and Gavin having some fun in the sun



Shawn USA testing out an AN90



Copper Lake brewing Company sobriety test



OUT AND ABOUT



Jaco at Middelburg Show



Johannes in Action



New Plastic Wall-Top Bracket in action



COC practical training in George



MP Veld Dienste 21st Birthday Party



Can you believe this is a 55km Game Fence



Some real power



JHB Year-end Function

TRAINING DATES 2019



SECURITY CENTRES

Introductory Course

6 April	Polokwane
13 April	Cape Town
8 June	Cape Town
8 June	Pinetown
13 July	Kya Sand
17 August	Cape Town
31 August	Klerksdorp
14 September	Kya Sand
28 September	Polokwane
5 October	Bloemfontein
12 October	Cape Town
19 October	Pinetown
9 November	Kya Sand
23 November	Pietermaritzburg
7 December	Cape Town



SECURITY SYSTEMS

JVA Advanced Course

13 April	Pietermaritzburg
1 June	Kya Sand
22 June	Cape Town
7 September	Klerksdorp
26 October	Pinetown
16 November	Kya Sand

COC Course

16-18 April	Cape Town
11-13 June	Pinetown
9-11 July	Kya Sand
17-19 September	Kya Sand
8-10 October	Bloemfontein
15-17 October	Cape Town
12-14 November	Kya Sand



Roboguard Course

13 April	Pinetown
8 June	Nelspruit
6 July	PE
27 July	Pietermaritzburg
3 August	Klerksdorp
24 August	Polokwane
7 September	Kya Sand
2 November	Kya Sand



Basic CCTV Course

13 April	Bloemfontein
22 June	Kya Sand
6 July	Cape Town
17 August	Polokwane
31 August	PE
7 September	Nelspruit
2 November	George
16 November	Pietermaritzburg

Advanced CCTV Course

6 April	Pinetown
4 May	Klerksdorp
8 June	Bloemfontein
27 July	Kya Sand
28 September	Cape Town
12 October	Polokwane
19 October	PE
26 October	Nelspruit
30 November	George
7 December	Pietermaritzburg




NAMPO AGRIC SHOW
Nampo Park, Bothaville
14 - 17 May 2019

GRAIN SA
GRAAN SA

Nampo Hall, Stand 111 & Outside Stand F7B



SECUREX SOUTH AFRICA

14 - 16 May 2019
GALLAGHER CONVENTION CENTRE, MIDRAND, JHB
Hall 2, Stand F45



The Royal Show
Pietermaritzburg KZN

24 May - 2 June 2019
Royal Show Grounds
Block E