# PHEPHA MV SECURITY SERVICES PTY LTD

T/A SUPERPRO ALARMS

Powered by **JIREH TECHNOLOGIES**

Our technology partner

# COMPANY PROFILE

| CCTV CAMERAS | ACCESS CONTROL | BIOMETRICS | GATE AUTOMATION | ELECTRIC FENCING | ALARM SYSTEMS | FIRE DETECTION | PHYSICAL BARRIERS |

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# 1. ABOUT US

**Phepha MV Security** was constituted in 2007 as cc and later converted into Pty Ltd in 2017. in order to provide highest technological solutions and services in the field of Electric, Mechanic, Security and Communications sector for privately owned or governmental leading institutions in South Africa.

**Phepha MV**'s service concept depends on **Unconditional Customer Satisfaction**. Together with its professional staff operating in Malelane headquarters and satellite offices in all the regions of Mpumalanga, **Phepha MV** is in full control of all of its installed systems located allover Mpumalanga, trusting its technical staff that consists of highly expertised engineers and technicians in advanced security technologies and telecommunication systems certified by our ICASA licensed technology partner Jireh technologies.

**Phepha MV** has been the leading counselor and installer since the commencement of activities in the field of Electric, Mechanic, Security and Communications systems in relevance with project design and implementation services; and it provides solutions through applying the latest state of the art technological equipments and services.

•**Consultancy and project preparation services,**

•**Engineering services,**

•**Distribution and Representation services,**

•**System & product procurement, and installation services,**

•**After sales services: Technical support and maintenance,**

**D**ESIGN Solutions.

**S**UPPLY Products.

**C**OMMISSION Projects.

## 2. ORGANISATIONAL STRUCTURE



Organisational structure chart:

- **Managing Director**
  - Technical Department
  - **General Manager**
    - **Manager Marketing**
      - Marketing Executives
      - After Sales Executives
    - **Manager Operations**
      - **Manager Equipment**
        - Security Equipments
        - Clothing & Uniform
        - Control Room VMS /OM
        - Transport and Fleet
      - **Manager Operations**
        - Rapid Training Cell
        - Recruitment/ Discharge Cell
        - Complaint & Problem Solving Cell
        - Checking & Deployment Officers
    - **Manager Finance**
      - Accountant
      - Recovery Officer
      - Pay Disbursement Cell
  - Technology Solutions dept

**Phepha MV** has assisted many organisations to implement a variety of security solutions and certified training thereof, over the years.  Our projects vary from small to medium sized and also larger complicated solutions.  We stock best of breed high end products and offer a product management service second to none to ensure clients receive excellent service all the way.

## World Class Service & Infrastructure

**Continuous Research & Development** ensures our customers receive proven solutions and products that meet our stringent application and operational standards.

**Training** in the **Phepha MV** Training Academy is geared to equip the candidate with the theoretical background as well as practical skills, from introductory to specialized level, to sell and maintain products across the spectrum.

**Technical Back-up** by qualified and experienced technical and IT personnel are ready to assist over the phone, or when necessary, on site. We also have a fully equipped workshop to cater for repairs on the full range

Security Warehouse will continue researching national and international manufacturers for the latest technology in security solutions to ensure our product matrix remains diverse and suitable to our client's specific needs.

SMART PTT RADIO SS 388
- GSM Tracking and AVL
- Stun Revive Facility
- Extended Battery Life

**JiREH** Technologies

OUR PRODUCTS AND SERVICES

**01** CABLING SOLUTION
We design, plan, install and maintain cabling infrastructure with STRUCTURED OFFICE and FIBRE OPTIC cables. Both are used to extend voice, data, video and multi-media infrastructure signals from one point to the other.

**02** IP TELEPHONY (VOIP) SOLUTION
We offer one of the best and cost effective IP Telephony solutions. With our Call Manager, you can make internal free calls, send instant messages, check the presence of colleagues, and host web-meetings, all in one package.

**03** SMART SOLUTION
With AUTOMATION and SMART TECHNOLOGY, we have crafted unique solutions that serve the Home, Office, Schools and Security Applications such as SMART HOME/OFFICE, SMART SCHOOL, and SECURITY SYSTEMS

**04** MULTIMEDIA SOLUTION
We offer the SMARTEST choice for hospitality and home entertainment through IPTV Happy Hotel and Multi-dwelling solutions. In our new face of entertainment and TV Distribution, we deliver happiness, comfort, satisfaction and fulfilment to hotel guests and homes with TIME/COST savings as value add.

# 4. CLOSED CIRCUIT TV SYSTEMS



Phepha & Jireh designs Closed Circuit TV Systems, which have become an indispensable part of electronic security and automation systems over the last 10 years. Our company designs integrated systems for projects taking into account all the requirements envisaged by the customer. Large and small projects are designed by considering the operating scenarios provided by the customer and the risk analysis carried out by the engineers of our company to provide optimum equipment configuration.

Closed Circuit TV Systems installed for security purposes are normally used to manage the movement of people around the areas to be protected. The videos captured by these cameras are stored either digitally or conventionally. The digitally stored videos can be accessed from a remote location.
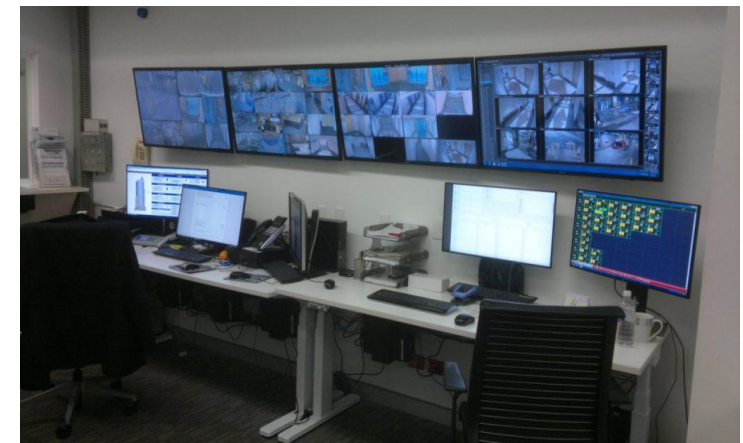
# 5. FIRE & GAS DETECTION SYSTEMS

Phepha MV installs fire alarm systems for homes and businesses using the most advanced and reliable technologies in the market. These systems are designed in such a way that they can be interfaced with other existing security detectors and automation systems of customers depending on their compatibility with the solution. Our company designs fire alarm solutions with facets for integration with other system to satisfy various needs. Several designs options suitable for projects with varying sizes, and compatible with both the operating scenarios provided by the customer and the risk analysis carried out by our engineers are first presented to the customer before the start of the project. Completed projects are delivered as turnkey solutions with an optimum equipment configuration.

Fire alarm systems have detectors that detect the onset of the fire and this makes early intervention possible. Based on the evacuation plans of the protected building, exit points like emergency exits, turnstiles, barriers at parking lots and other road barriers and hydraulic passage control posts are set loose automatically. The power supply to many locations may be offset to prevent the fire from expanding.

## 6.    DRONE SECURITY & SURVEILLANCE



Unmanned aerial vehicles (UAVs) can be deployed in a multitude of 24/7 security and surveillance use-cases – the pace of which is determined by the intensity of customer pain points. Drone patrols now augment  human guards and enable security agencies, risk managers, security directors, system integrators and other stakeholders to make faster, better decisions for protecting humans, assets and premises. Having an electronic eye-in-the-sky is as close as it gets to a silver bullet for detection, recognition and deterrence in the security context. The ability to schedule, repeat and monitor autonomous missions, so that drone fleets can augment human security guards and fixed cameras, is a powerful force multiplier.

### Track & Follow

Phepha MV drones track intruders and follow them around in real-time to provide recorded data to security forces.
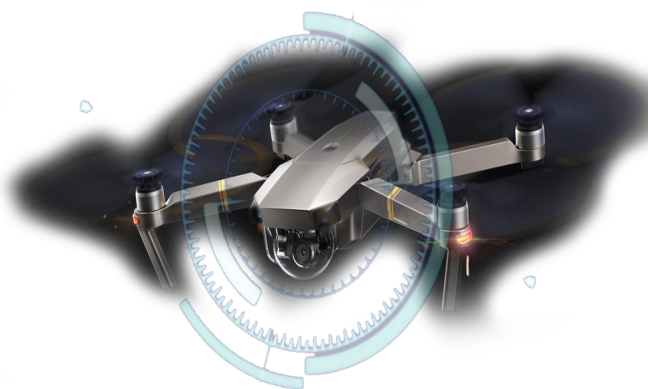
### Hostile Situations

Phepha MV drones can be used in Anti-terror, anti-piracy, anti-criminal, and riot control scenarios.

### Blind Spots

Phepha MV Drones delivers Comprehensive coverage to overcome blind spots and immobility of CCTVs

### Hard-to-reach Locations

Phepha MV drones can reach Roof-tops, forestry plantation, narrow and confined spaces, high altitudes..
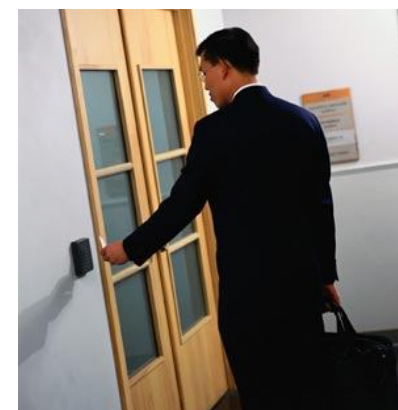
# 7. ACCESS CONTROL SYSTEMS



Phepha MV provides Access Control Systems, which constitute an integral part of electronic security systems, with a wide range of products according to the operating scenarios provided by the customer and the risk analysis carried out by our engineers for the fulfillment of multiple purposes. These are put into operation and delivered as a turnkey optimum equipment configuration.

# 8. BIOMETRIC HAND & FINGERPRINT IDENTITY SYSTEMS

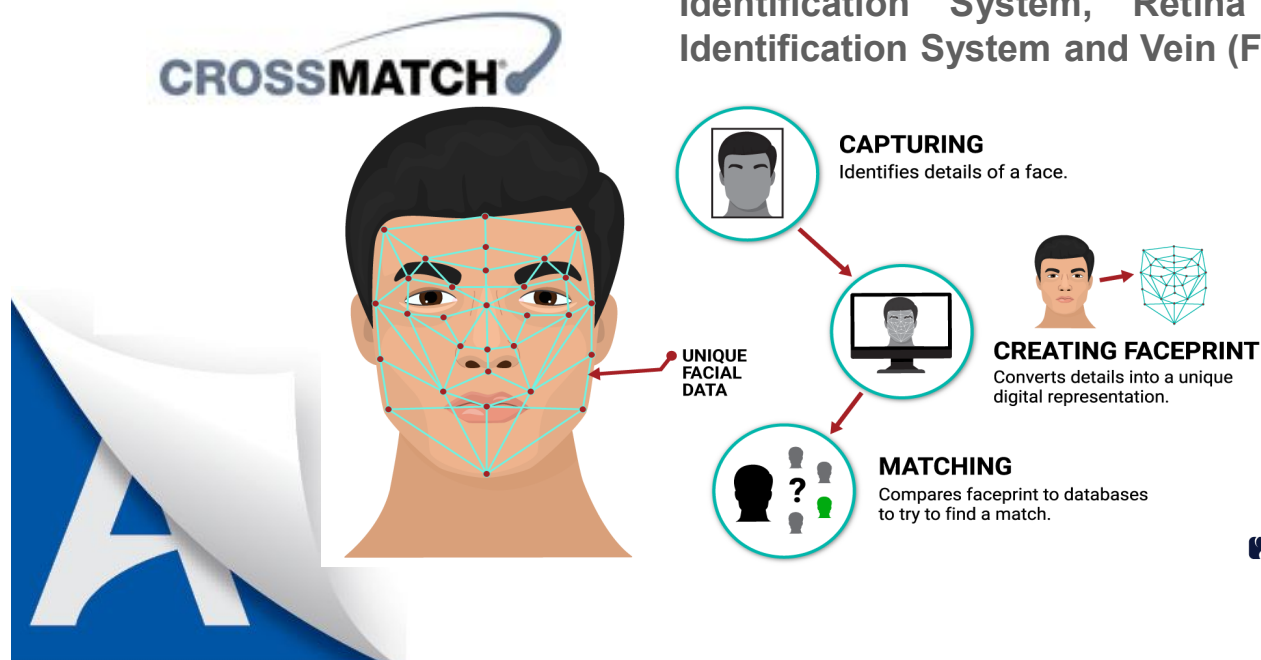**Phepha MV** has included biometric systems in its Access Control configurations four years ago. This provides solutions and makes it possible for the system to be integrated according to the scenarios provided by the customer. The systems are therefore installed based on the risk analysis carried out by our company to provide turnkey solutions with an optimum equipment configuration.

Biometric devices, used as stand-alone or integrated systems are designed by making use of the measurable unique physical human characteristics for identity verifications.

Biometric solutions that utilize measurable unique human body parts are as follows: **Finger Print Identification System, Face Recognition System, Iris Identification System, Retina Identification System, Hand Geometry Identification System and Vein (Fist) Identification System.**

**CAPTURING**
Identifies details of a face.

**CREATING FACEPRINT**
Converts details into a unique digital representation.

**MATCHING**
Compares faceprint to databases to try to find a match.

UNIQUE FACIAL DATA

# 9. BURGLAR ALARM SYSTEMS



Phepha MV installs reliable and advanced wireless and conventional technologies for the security of homes and offices, integrating them, upon request, with electronic detection and automation systems compatible with the solution.

Phepha MV designs various projects intended to satisfy all sorts of requirements and to be compatible with all sorts of solutions of different scales and designs depending on the operating scenario provided by the customer and the risk analysis carried out by our engineers, and makes turnkey deliveries with an optimum equipment configuration.
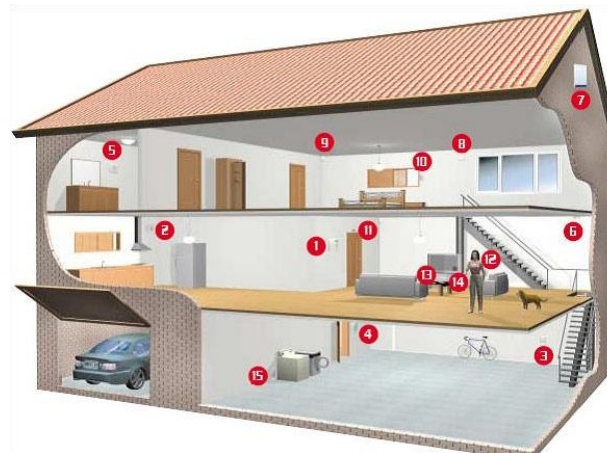
# 10.INTERCOM & VIDEO INTERCOM SYSTEMS

Phepha MV designs intercom systems with/without video for the entrance security of homes and offices and offers a wide range of products in this field from small home systems to large systems for residential estates such as condominiums according to the operating scenario provided by the customer and the risk analysis carried out by our engineers with an optimum equipment configuration.

Intercom systems with or without image transmission are installed in the most suitable places to ensure entrance security. They can be used as stand-alone or networked depending on the number of users and of entrances to be managed. Depending on the existing wirings of the building or by the request from the customer analog or digital intercom systems can be installed. Depending on installed configurations, the system permits host-visitor communication or communication between occupants of the same building or communication between a caretaker and visitors. In residential estates and condominiums, the system permits communication between the occupants of apartments and the security staff and visitors. Designs are normally carried out according to the chosen option and the budget of the customer.

SMART PTT RADIO SS 388
- GSM Tracking and AVL
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- Extended Battery Life

# 11. PUBLIC ADDRESS SYSTEMS

A public address or PA system is a combination of a set of audio equipment that allows broadcasts over a designated area. Often found in schools, office buildings, Malls. PA systems can be used for announcements or emergency information and provide a simple way to get information out quickly. PA systems can be basic or advanced, and can be adapted to fit a variety of needs.

Basic PA systems are comprised of loudspeakers placed in convenient locations around the broadcasting area, an amplifier to increase the sound, and a mixer, which allows variation in sound levels. The user speaks into a microphone, and the sound is transmitted through connected cables to the area surrounding the speakers. Some systems also include microphones or intercoms near the speaker locations, allowing the listener to reply to the central location, although not to the entire system.

## 12. DATA & VOICE SYSTEMS

Phepha MV, has made it amongst the leading project companies of our country regarding network with the important projects it completed with its expert staff on LAN (Local Area Network), WAN (Wide Area Network), and complex networks.

Phepha MV's service understanding is based on ensuring the continuance of data flow by means of designing complete solutions on the basis of customer requirements, developing efficient solution mechanisms against possible problems, and by showing zero tolerance against any problems that may occur in data flow. Accordingly, at the beginning of every project, Phepha MV's engineers having network setup expertise carry out detailed investigation operations, determine exactly the requests and requirements of the customer, meticulously monitor the implementation of the project, and deliver key-in-hand the network setup by taking into consideration the most current world standards. Phepha MV's main objectives in its project implementations beside maximum customer satisfaction is to provide continuous and efficient data management.

Jireh Technologies which provides investigation, project design, planning, and consultancy services concerning network setup, remote access connections (WAN), RF-ID, and security technologies such as Ethernet, Fast Ethernet, Gigabit, Fiber Optic, and Wireless implements the application-training and consultancy services in the projects it undertakes in wholeness, and due to its expert personnel in this area, it aims to provide service as the only firm for all your network solution needs. Many of the projects completed by APROTEK run without any problems in many public and private institutes countrywide.
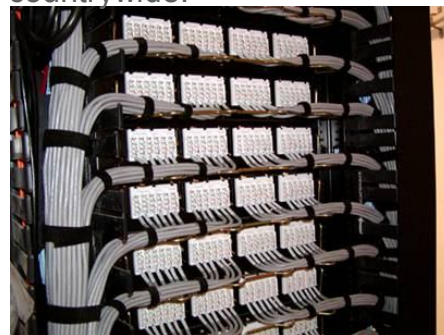
# 13. VEHICLE AND TRANSPORT

The company maintans a large fleet of armed response vehicles for each area as well as supervisery and technical service units that are available for 24 hours site and guard inspections, armed response and reaction as well as general visits to all sites. Stand-by vehicles are available in case of any emergency.

## 13.1  RADIOS AND COMMUNICATION

All branches are fully equipped with state of the art communication facilities. All managers and supervisors are in 24-hour contact via cellphones and a dedicated gsm radio smart ptt. All guards are in 24-hour contact with control room operators and management are at all times aware of the situation on any client's premises. The control room has has direct access to all management staff as well as company principals,
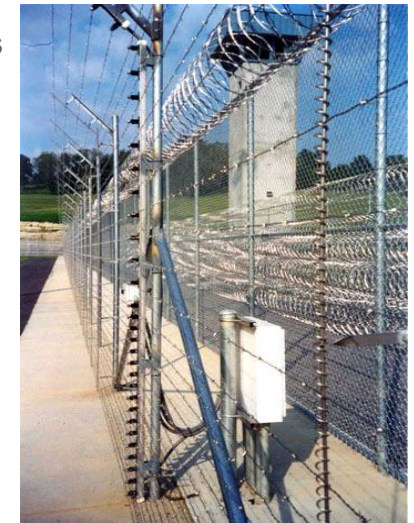
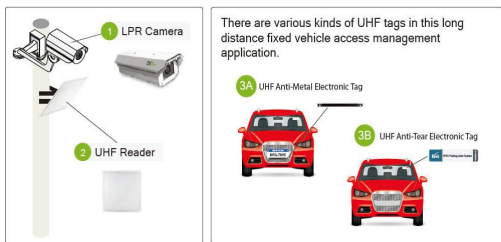# 14. OUTDOOR PERIMETER INTRUSION DETECTION SYSTEMS



Phepha MV designs outdoor Perimeter Intrusion Detection Systems, the outer ring of an electronic security system, according to the operating scenario provided by the customer and the risk analysis carried out by the engineers of our company in order to deliver turnkey solutions. The systems for the perimeter intrusion detection systems, that part of the protected premises which is most exposed to the outside (gardens, walls, fences etc.), ensure security all along the line surrounding the premises. It is integrated with the system of other electronic security systems and ensures the monitoring and recording of a threat. The cameras automatically turn towards the site of the intrusion. The system archives the images and other data and alarms for eventual retrospective investigations separately for each operator.

At the stage of design of a perimeter intrusion detection system, we take into account the physical, topographical and structural properties of the area to be protected to choose one or several of the following solutions:

- Linear perimeter protection with double or four beams by means of external    type active IR barrier sensors
- Protection of open areas by means of external type passive IR sensors
- Protection of large and open areas by means of microwave fence sensors
- Over-the-fence sensor system with Intrepid micro-point cable
- Volumetric sensor system with Intrepid micro-track cable
- Over-the-fence sensor system with microphone cable
- Over-the-fence sensor system with fiber optic cable

# 15. CAR PLATE RECOGNITION SYSTEMS





There are various kinds of UHF tags in this long distance fixed vehicle access management application.

The Car Plate Recognition Systems consists of an image processing technology used to identify motor vehicles by their registration plates. It can be used for a number of purposes some of which are explained below:

**Identification of stolen vehicles:** An updated list of stolen motor vehicles issued by the security forces is loaded in the database of the GPRS and cameras installed on roads take photos of registration plates. Then, the images are compared with the content of the database and the results are notified to security forces in real time to allow them to catch the offenders. The system is able to identify motor vehicles going at 160 km/h in 30 milliseconds by means of cameras and to rapidly consult the database and to determine the speed of the motor vehicle in question, to identify international registration plates and to archive motor vehicles by their original colors. The system works under all weather conditions day and night.

**Parking lot surveillance:** This technology permits to load registration plates of motor vehicles authorized to enter the parking lot of the building in the database of the GPRS, which controls the gates, the automatic barriers, the bollards and road blockers in accordance with these data. The system transfers all information regarding the surveillance of the parking lot on a monitor and issues reports containing all of the statistical information on the motor vehicles. This system can be used in free parking lots available only to authorized people as well as in parking lots with a charge with a subscription system.

**Control of motor vehicles at borders:** Car plates and passport details of people crossing the border are registered in the database of the GPRS to ensure the control of crossings as well as the circulation of motor vehicles within the country. The system covers all of the border gates of the country and checks all border crossings. Eventual passages of criminals (terrorism, smuggling etc.) are monitored by means of the database of the security forces.

# 16. WALK THROUGH WEAPON & METAL DETECTORS



These detectors ensure the security level required for the building without hindering the circulation of people at entrances. They have 20 different high-speed operation programs, a precision of 200 degrees, a scanning of 33 different dotting areas and a detection technology with horizontal and vertical zones, and are able to carry out precise scanning jobs while permitting a passage intensity of 50-60 people per minute.

These devices have specially-designed circuits that prevent asking effect interference caused by interaction between two metals with inverse properties that annihilate the signals of each other and those are able to correctly detect all kinds of metal. They also record those passages that have created a high alarm level in a digital recording device by means of a camera and transfer them into a database.

# 17. X-RAY SECURITY SCREENING SYSTEMS

These are used at entrances of buildings for the passage control of parcels, luggage, bags and other similar objects to detect any weapons or explosives and to ensure the required security level for the building. The dimensions of the tunnel may vary between 82 cm x 65 cm and 80 cm x 100 cm depending on the intensity of the passage of luggage of the building. Thanks to the two-dimension detection system, all of the objects passing through the tunnel can be checked without any loss of image on the edges. They are able to see through 29-mm-thick steel.

The main property of the X-ray security screening systems is their capability of distinguishing colors and of isolating images by using organic/inorganic double-monitors to make the distinction between organic and inorganic matters with four colors to detect organic-based explosives. These detectors give a sound alarm upon detection of a suspicious piece of luggage and record the passages exhibiting a high alarm level in a digital recording device by means of a camera and transmit the data into a database.

# 18. GARAGE ENTRANCE CONTROL SYSTEMS

Phepha MV ensures integration of a wide range of products under the generic name of "Garage Entrance Control Systems", including parking lot barriers, electromechanical or electronic road blockers, hydraulic bollards and road traps with all sorts of entrance control and automation systems for buildings/open areas, and designs them according to the operating scenario provided by the customer and the risk analysis carried out by our engineers and delivers turnkey solutions with an optimum equipment configuration.

# 19. SOLUTIONS AND TECHNOLOGIES

| SOLUTION | PRODUCT TRAINING | TECHNICAL SUPPORT | FINANCE | PROJECT MANAGEMENT |
|---|---|---|---|---|
| • In-house Design<br>• System Setup<br>• System Training | • Training Academy<br>• SITA Accredited<br>• Product Certification | • Counter Support<br>• Site Support<br>• Extended Warranties | • Product Finance<br>• Solution Finance<br>• Turnkey Finance | • Installation Management<br>• Training<br>• Commissioning |

| MARKET | VIDEO | VMS SYSTEMS | ACCESS CONTROL | FIRE & ALARM | ELECTRIC FENCING | GATE AUTOMATION |
|---|---|---|---|---|---|---|
| Higher-End Tier 1<br>*Larger Complex Projects* | AXIS COMMUNICATIONS / Canon | MIRASYS | Controlsoft access Distribution Partner | aritech | | |
| Mid-End Tier 2<br>*Standard Systems & Solutions* | dahua | dahua | ZKTeco | NAPCO | NEMTEK Electric Fencing Products | CENTURION |
| Lower-End Tier 3<br>*Commodities* | dahua | dahua | ANVIZ | NAPCO | NEMTEK Electric Fencing Products | CENTURION |

## 20. SOME REFERENCES

| Name of Business | Duration | Contacts |
|---|---|---|
| 1. Dept. of community safety,security& liaison | 9 years | J shabalala 071 604 2969 |
| 2. University of Mpumalanga Nelspruit | 3 years | F Leutle 082887723 |
| 3. University of Mpumalanga Siyabuswa | 3 years | F Leutle 082887723 |
| 4. Mbombela Municipality | 9 years | J Malope 0823454187 |
| 5. Nkomazi   Municipality | 10 years | N Thwala 0137900245 |
| 6. AEL Mining | 6 years | Paola 011 606 0295 |
| 7. Rand Water | 5 years | T. Morare 0714200484 |
| 8.  Water Affairs | | |
| -    Standerton | | |
| Grootdraai Dam      Piet Retief | 3 years | Alicia Hatting 013 720162 |
| Heyshope Dam     Amerstadam | 1 year | Chris 017 7201620 |
| Jerico Dam | 1year , | J Mahlaba 017 720 1620 |

## SOME REFERENCES

| Name of Business | Duration | Contacts |
|---|---|---|
| Morgerzon dam | 1 year | Chris 013 7201620 |
| Westoe dam | 1 Year | Marieta 017 7201600 |
| Wentzel dam | 8 Months | Nonthla 018 2949501 |
| Jankempdorp workshop | 18 Months | Motuti 013 2601380 |
| Vlakfontein Canal | 1 year | J Mahlaba 017 7201620 |
| 9. Lekwa Municipality | 6 Years | A Sibeko 0712765680 |
| 10. Kusile A&M | 3 Years | S Pretorious 013 7900678 |
| 11. BJ Foods | 8 Years | Paul 013 7955073 |
| 12. Boxer Super Stores | 3 Years | P Shongwe 0733624202 |
| 13. BRBF construction | 3 Years | M De Kock 0721959140 |
| 14. Galewil Liqour | 3 Years | D Smith 013 758 2282 |
| 15. Group 6 | 6 years | Andre 0828733729 |
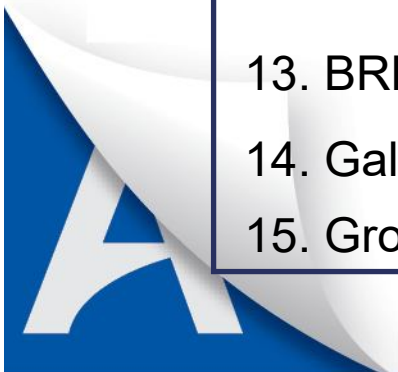
## SOME REFERENCES

| Name of Business | Duration | Contacts |
|---|---|---|
| 16. Durban Forensic Labolatory | 9 Months | Lehotlo 012 3958613 |
| 17. Hitachi Africa | 9 Years | M Samuels 013 7532067 |
| 18. Lebombo growers | 10 Years | Eden 013 7938082 |
| 19. Oiltrek Mpumalanga Systems | 3 Years | Ronel 013 7581075 |
| 20. Ramburg beef | 6 Years | Clyde 0833041975 |
| 21. Pamel Electrical construction | 8 Years | E Khoza 0825516784 |
| 22. Sintha Investments | 5 Years | Gugu 0722772094 |
| 23. Ximungwe Spar | 3 Years | Mashaba 0825597694 |
| 24. Solum Civil cc | 3 Years | Anette 013 6560095 |
| 25. ZMG Water tech | 6 Years | Brenda 0609608610 |
| 26. Ndindane School | 4 Years | Thabethe 0824218991 |
| 27. Takitsi Investment | 3 Years | C. Mahlalela 0764810496 |

| Name of Business | Duration | Contacts |
|---|---|---|
| 28. Sanbi | 8 Years | Taki 0825445227 |
| 29. MTPA | 3 Years | Marius 013 7595300 |
| 30. RCL (TSB) | 3 Years | L Maseko 0312428600 |
| 31. Phamabanisa Primary School | 1 Year | Ms sithole  0637459456 |
| 32. Royal parklands | 8 Months | ED 0747141439 |
| 33. Kille Prince properties | 3 years | Marius 0647573504 |
| 34. Safcol | 3 Years | Mikateko 012 4366307 |
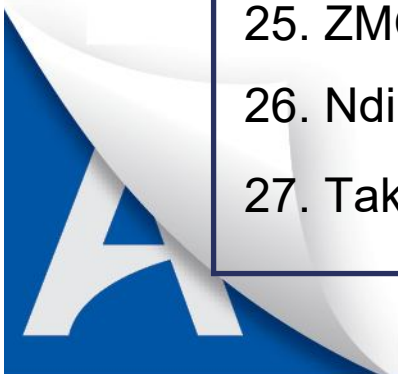
# 21. COMPANY INFORMATION

PARTNER COMPANY

Company Name: Phepha MV Security Services Pty Ltd

Company Reg   : 2017/286721/07

PSIRA No         : 1540299

CSD NO           : MAAA0005172

Company Name: Jireh Technologies

Company Reg   : 2006/028190/07

ICASA Licence
Infrastructure     : 0350/IECNS/APR/09
Services            : 0350/IECS/APR/09

# 22. CONTACT DETAILS

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BRANCHES

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