



# COMPANY PROFILE



Prospect Client,

It gives us great pleasure to introduce to you, our company, Polar Afpro Security.

Polar Afpro is a dynamic security solutions company, specializing in tailored security solutions. Our skilled, experienced team, offer a wide range of high-tech security products, services, and solutions.

Polar is registered & based in Nigeria, and have the capacity to support small, medium and large-scale projects. Our management has been actively involved in large-scale corporate-, industrial- & private security in Nigeria for the past 20 years.

Polar Afpro is committed to providing superior quality security solutions and each brand represented is tested and authorized for sale before being offered to our clients.

Our team provides turn-key services, tailored to the client requirements, and include consulting, supply, installation services and maintenance with periodic upgrading of security systems.

Our proficiency and professionalism contributed in being chosen as the winner of the following categories:

- “Global leading quality security Solution Company of the year” at the Global quality excellence awards, 2018.
- “Best Security Company in Nigeria: 2020” and “2021”, MEA Markets.
- "Best New Product" for Sensoguard by the Outstanding Security Performance awards (OSPAs), 2022.
- “Most Innovative Security Solutions Provider 2022 – Nigeria, African Excellence Awards 2022, MEA Markets.

It is our great pleasure to stand of service and herewith submit our profile brief.

Sincerely yours,

**POLAR AFPRO LTD.**

Polar is committed to provide superior quality security equipment and each brand represented is tested and was authorized for sale before it is offered to our clientele.

We offer a wide range of security related products, solutions, and services:

- **Risk management consultation – Assessment & strategy**
- **Peripheral security systems: Electric & Electronic Sensing Fences, High Security Mesh Fence and Invisible Seismic perimeter security**
- **CCTV Surveillance solutions: On-premise and cloud-based VMS, IP, Thermal and ATEX Rated Cameras, Radar systems UAV's & Drone systems**
- **Visual intelligence - Face, Body & Object Recognition**
- **Command & Control software, room-design, construction & operating.**
- **Entrance control, Access control and scanning systems**
- **Intrusion detection & alarm systems**
- **Fire-suppression and fire alarm systems**
- **Smoke Generators & room-masking solutions**
- **Panic / Strongroom design, outfitting and installation, High security & ballistic doors & windows**
- **Oil-asset protective services & Solutions**
- **Asset Tracking systems**
- **Advanced Monitoring & Security Platform – Full stack secure AIOps for On-Prem, cloud and hybrid enterprises.**
- **Optimization Solutions System - Enable operators to improve RAN spectral efficiency, boost network speed, optimize video and web traffic and generate over-the-top revenues from the mobile Internet.**
- **Civil & Network infrastructure**
- **Security & Consulting Services, Training and Service level agreements**



**Our Brand Partners Include:**

## 1. Risk Management Consulting - Assessment & Strategy

Security in any system should be proportionate to its risks. However, the process to determine which security controls are appropriate and cost effective, is quite often a complex and sometimes a subjective matter. One of the prime functions of the Polar security risk analysis is to approach this process in a more objective view.

### RISK MANAGEMENT PROCESS



There are a number of distinct approaches to the risk analysis which we follow at Polar Afpro Ltd. However, these essentially break down into two types: quantitative and qualitative.

- **Quantitative Risk Analysis:** This approach employs two fundamental elements; the probability of an event occurring and the likely loss should it occur.
- **Quantitative risk Analysis:** This approach makes use of a single figure produced from these elements. This is called the 'Annual Loss Expectancy (ALE)' or the 'Estimated Annual Cost (EAC)'. This is calculated for an event by simply multiplying the potential loss by the probability.

It is thus theoretically possible to rank events in order of risk (ALE) and to make decisions based upon this.

The challenges with this type of risk analysis are usually associated with the unreliability and inaccuracy of the data. Probability can rarely be precise and can, in some cases, promote complacency. In addition, controls and countermeasures often tackle a number of potential events and the events themselves are frequently interrelated.



Qualitative Risk Analysis is by far the most widely used approach to risk analysis. Probability data is not required and only estimated potential loss is used.

The Polar Afpro Ltd. qualitative risk analysis methodologies make use of several interrelated elements:

- **THREATS:** These are things that can go wrong or that can 'attack' the security system. Examples might include fire or security. Threats are ever present for every system.
- **VULNERABILITIES:** These make a system more prone to attack by a threat or make an attack more likely to have some success or impact. For example, for fire a vulnerability would be the presence of inflammable materials etc.
- **ASSETS – CONTROLS:** Polar Afpro Security uses 4 types of countermeasures for vulnerabilities:
  - Deterrent controls reduce the likelihood of a deliberate attack
  - Preventative controls protect vulnerabilities and make an attack unsuccessful or reduce its impact
  - Corrective controls reduce the effect of an attack
  - Detective controls discover attacks and trigger preventative or corrective controls.

## 2. Peripheral Security Systems – Electric, Sensing, Electronic and Seismic Security Fences

Perimeter security is the first line of defense for most locations. POLAR AFPRO LTD has extensive experience of conducting security reviews and advising on physical security measures at locations all over Israel and Nigeria.

Not only do we advise on the best options for securing your locations, but POLAR AFPRO LTD. also provides perimeter security solutions in terms of procurement, project management and installation services.

- **Perimeter fencing**

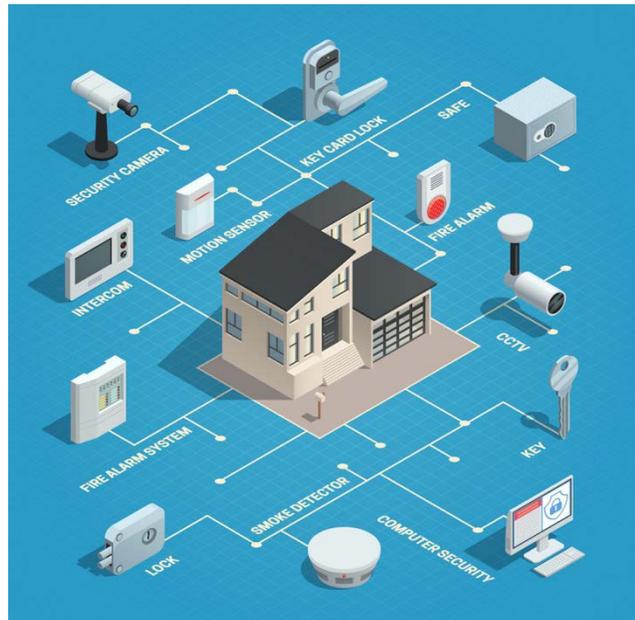
Perimeter fence security including industrial and commercial sites, agricultural properties and other situations where visual patrol of the entire perimeter is difficult. POLAR AFPRO LTD supply & install specialized secure fencing that is designed to offer the highest levels of perimeter security, including palisade fencing and anti-terrorism fencing.

- **High Security Fencing**

POLAR AFPRO LTD. are at the forefront of advising and supplying anti-terrorist perimeter fencing security solutions to protect vulnerable areas. All the systems we recommend have undergone rigorous high impact testing to ensure their effectiveness as anti-terrorist deliverables.

- **High Security Fencing Solutions:**

- Class 2/3 welded mesh fencing
- Anti-intruder chain link fencing
- Electric fencing
- Alarm fencing
- Sensing fencing
- Anti-Terrorist Perimeter Fencing
- Intruder Detection Systems & maximum prison security fencing





- **Seismic Sensor Technology**

Buried seismic sensors installed along a security fence to provide 24/7 protection against attempted intrusion activities in area to provide pre-alarm information and to maximize reaction time before asset is compromised.

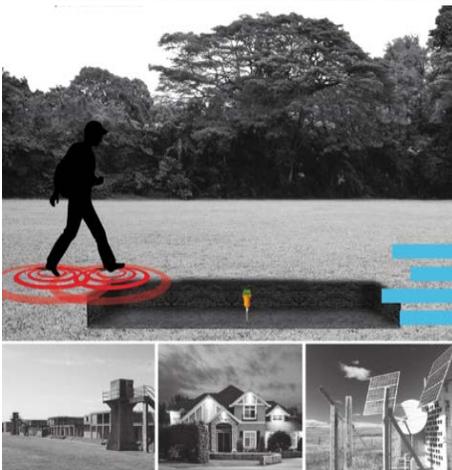
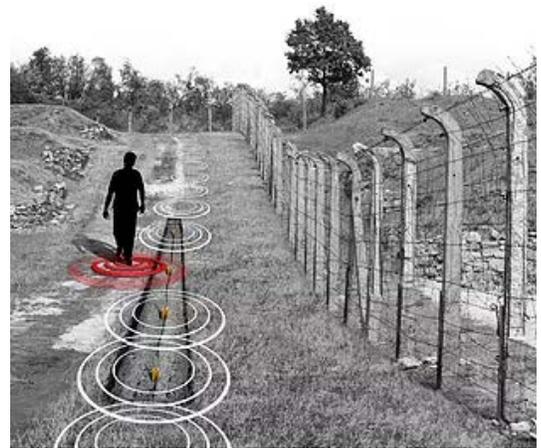
**Advantages**

1. Hidden unattended system (buried)
2. Provide pre-alarm before actual contact with asset
3. Doesn't require any special infrastructure to operate



Both configuration-options are battery operated for 3, 5 or more years.

1. **Fully wireless system**- wireless mesh network of seismic sensors
2. **Hybrid system** – System is partitioned into 1km segments, each segment is connected with RS485 bus communication to control room via GSM Radio link or Satellite

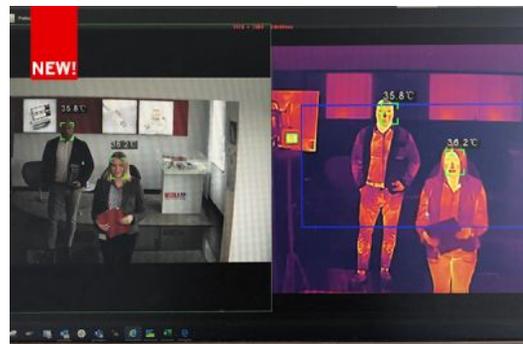


### 3. Smart CCTV Surveillance Systems

Polar Afpro distributes, install & maintain high resolution CCTV solutions with accurate images and identification for the smallest details, from face recognition to currency identification.

Our systems are fully integrated to access control systems and other open platform 3<sup>rd</sup> party integration which allows visual identification with separated control to each person.

We specialize in CCTV only providing well-known and well-supported CCTV products such as Avigilon, Pelco, Flir, UNV, Eagle Eye and other renowned brands. We provide service and support on a national basis with our in-house team based in VI, Lagos and a network of experienced technical agents.



## 4. Visual Intelligence - Face, Body & Object Recognition.

### Touchless Access Control, Watch-list Alerting and Contact Tracing.

A core visual intelligence technology solution with unmatched expertise in AI and deep learning, and a proven track record of designing, developing and deploying software to solve real-world problems. AI Security System, powered by a cutting-edge, deep neural network that offers a wide range of capabilities, including face, body and object recognition

With AI-driven computer vision we are making the world safer through visual intelligence and helps Government with its people access spaces, experiences and services with confidence and convenience.

#### **On Access - Touchless Access Control:**

Deliver a truly frictionless entry experience with enterprise-class facial recognition capabilities

- Touchless Access
- Frictionless Recognition
- Rapid Deployment
- Automated Entry Screening
- Intelligent Quadrant Control



#### **OnWatch - Real Time Watch-list Alerting & Contact Tracing:**

Protect people and premises by identifying and responding to threats in real-time

Using facial recognition to identify exposure risk - System tracks individuals from an authorized watch-list and gain insight into their associations using face and body detection on connected visual sensors.

- Accurate Recognition in Real-World Conditions
- Optimize Existing Infrastructure
- Automated Tracing & Real-Time Alerting
- Advanced Privacy Controls
- Centralized Intelligence Dashboard

#### **OnPatrol - Proactive Law Enforcement Protection:**

Oosto OnPatrol helps protect law enforcement and military personnel with real-time alerts that enable them to proactively respond to situational changes in their environment.

#### **What Makes Oosto (Formerly Anyvision) Different:**

- Enhanced Recognition - Instantly recognizes faces without requiring people to remove masks.
- Superior Recognition Accuracy - Trained and tested in the toughest conditions to ensure the highest accuracy in real-world scenarios and provide full protection against digital fraud.
- Instant Track & Trace Results - Detects and identifies known individuals and associations in real-time or in historical footage, and sends recognition alerts instantly to any device
- Sub-second Authentication - Stops bottlenecks by authorizing entrance 2-3 meters from the camera.
- Anti-Spoofing Technology - Verifies a person's liveness and stops spoofing from print or digital images.
- Advanced Privacy Controls - Built to comply with the most stringent privacy regulations, with tools that capture only the faces of predefined individuals while blurring everyone else.
- Centralized Intelligence - Scale and manage limitless locations from one centralized dashboard with customizable role permissions and alerts.
- Unlimited Scalability- Automate and scale deployments while building on existing infrastructure.

## 5. Control – Ops. Control & Alarm Monitoring System

Polar Afpro Ltd. Offers control-room design, construction, installation & operating.

These Control-rooms range from Transportation, Traffic management, Manufacturing, oil and gas, energy power generation, banking and surveillance and security.

We provide integrated solutions for control rooms, ideal for is 24/7 mission critical surveillance applications. Consisting of high-quality displays, rear-projection video walls, graphic controllers and web-based operating software, operators get a complete overview of all surveillance systems and cameras.

Operations management software including advanced warning capabilities designed to facilitate decision-making, draws operators' attention to the most critical images.

Polar Afpro networked solutions distribute video and data over the standard IP network to provide you with accurate and real-time information, no matter where you are.



## 6. Entrance Control - Security Gates & Access Control Systems

Adequate access control is essential for all entrance and exit points to any site protected by perimeter security measures.

- **Security Gates**

Whether the access point requires a simple, manually operated security gate only used a few times a day, or a completely automated sliding gate system used continuously, POLAR AFPRO LTD. can advise on the most secure options for vehicle and pedestrian access.

- **Security Gate Options:**

- Hinged / Swing Gates
- Cantilevered and tracked sliding gates
- Rising arm barriers
- Speed gates
- Telescopic and bi-folding gates

POLAR AFPRO LTD provides a comprehensive range of access control solutions to integrate into all security fencing installations and compliment the most complicated security systems.



## 7. Entrance Control - Barriers, Parking Management and Scanning Systems

- **Anti-Ram Raid Gate;** Anti-Ram Raid Gates are constructed from galvanized steel box sections and pillars. The robust integrity of the construction and its anchoring allows for great resistance from a ram raid both externally and internally. These gates are particularly useful to prevent attacks on roller shutter doors. The gates prevent breaches on roller shutters when located behind the shutters by preventing entry by ramming, jacking open and attacks with angle grinders.
- **Barriers & Bollards**



In many locations the restriction of vehicle access whilst allowing pedestrians to pass through will be desirable. POLAR AFPRO LTD. can advise on the most suitable forms of access restriction dependent on the location and level of security risk.

- **K12 Security Bollards**

Fixed Bollards create an obstacle to vehicles without restricting pedestrian traffic. Rising Bollards afford the same protection to vulnerable areas as the fixed bollard with the facility to be lowered for authorized vehicle or equipment access. Rising bollards are perfect for preventing unauthorized access even by large and robust vehicles. Where aesthetics and appearance are important, we can specify colored or stainless-steel bollards or bollards incorporating branding or design themes.

- **Blockers and Rising Kerbs**

In a similar way to the rising bollard, blockers and rising kerbs are equally effective in the control of entry by vehicles but they are more suited to restricting heavy duty commercial vehicles from restricted areas such as airports and embassies.



- **Bag Scanners, walkthrough detectors**

We offer a variety of entrance control security devices



## 8. Access Control

Polar Afpro Security offers Access Control and Attendance solution development. Our company design, development, import and install biometric systems for access control and time-attendance.

Our quality range of equipment can accommodate hundreds of thousands of users per terminal and our comprehensive software solutions are designed to account for all the users in detailed reports.

### AVIGILON Access Control Manager



## 9. Intrusion Detection - Detectors, Alarms & Smokescreen

- **Smoke Generator System:**

Smoke generators are installed inside the facility, in strategic locations or where important valuables are stored. Once an intrusion is detected, thick but harmless smoke is released into the room masking it and preventing the intruder from seeing or moving valuable goods or equipment.

This incredibly effective security fogging system solution, provides one thicker layer to your property protection, and helps not only minimizing the outcome of a variety of criminal threats or intrusion incidents, but also help to uphold or detain the intruder till law enforcement arrives.



- **Panic & Fire Alarm System:**



A panic and fire alarm systems are an electronic device designed to provide an effective alert in emergency situations where a threat to people or property arises.

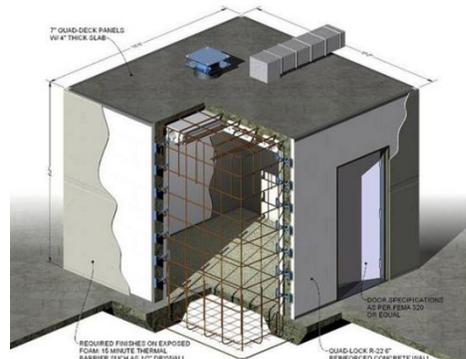
Panic and fire alarm systems could be remotely transmitting or locally connected to a monitoring center through a silent alarm or an audible bell/siren. The alarm could be used to request emergency assistance from local or private security team, law enforcement agencies, police or emergency services, with respect to your choice and requirements.

This security solution allows the owner to reduce emergency operating costs, while still maintaining a safe environment and good response time.



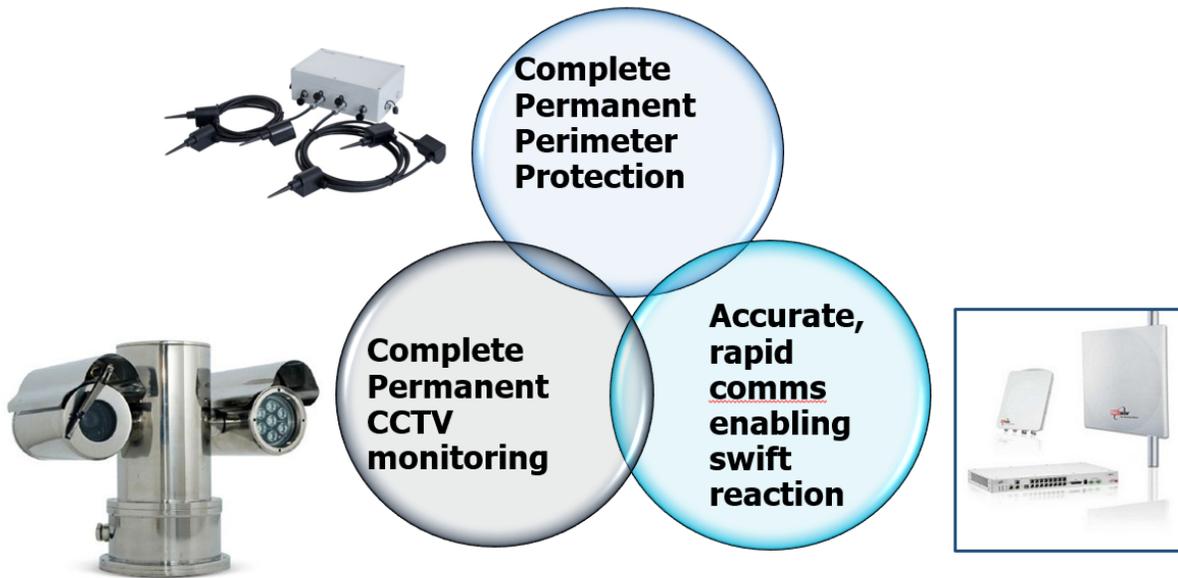
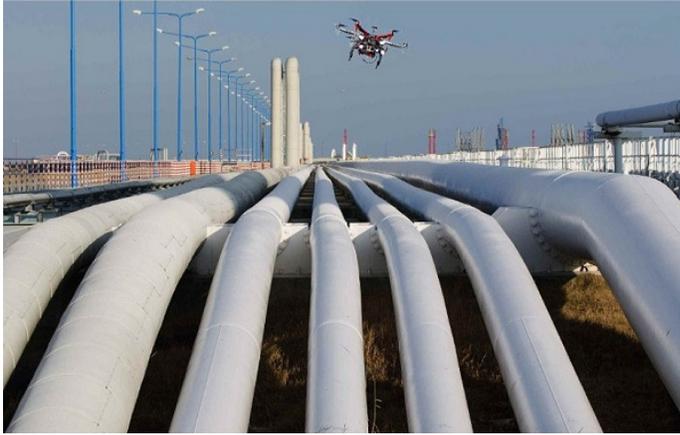
## 10. Panic / Strongroom - Design, Outfitting and Installation

We offer tailored solutions to fortify offices & homes with an elevated security layer by creating a virtually unbreachable safe space in times of critical / eminent threat. Mantraps, strong rooms and Bullet resistant doors & windows, contribute to serve this purpose. We collaborate with the leading manufacturers & suppliers.



## 11. Oil-asset Protective Services & Solutions

The approach to secure the clients assets was not based on a typical security solution; The robust recommendation with solid industry experience is therefor presented. Product elements are not only deployed at oil facilities but have been deployed to among other, The Israeli Defense Forces (IDF) and leading militaries, law enforcement agencies and companies in the private & defense sector worldwide. We take pride in our installations which serve to protect industrial sites, prisons, critical facilities, Oil & Gas and agricultural fields.



## Pipeline Protection

### SG-PPS: PIPELINE PROTECTION PLUS

SensoGuard Pipeline protection Plus system (SG-PPS) offers optimal solution for buried pipeline protection. SG-PPS provides real-time monitoring of pipeline areas so that Third Party Interference (TPI) can be detected before the pipeline is damaged or breached.

Buried seismic sensors installed along the pipeline to provide 24/7 protection against digging activities in pipeline area in order to provide pre-alarm information and to maximize reaction time before damage to pipeline actually occurs.

#### Advantages

1. Hidden unattended system (buried)
  2. Provide pre-alarm before actual contact with pipeline
  3. Installation doesn't require contact with pipeline
  4. Doesn't require any special infrastructure to operate Both configuration-options are battery operated for 3, 5 or more years.
1. **Fully wireless system**- wireless mesh network of seismic sensors
  2. **Hybrid system** – System is partitioned into 1km segments, each segment is connected with RS485 bus communication to control room via GSM, Radio link or Iridium Satellite



#### System Features:



Invisible System



Fog Resistant



Ultra Low Power



Maintenance free

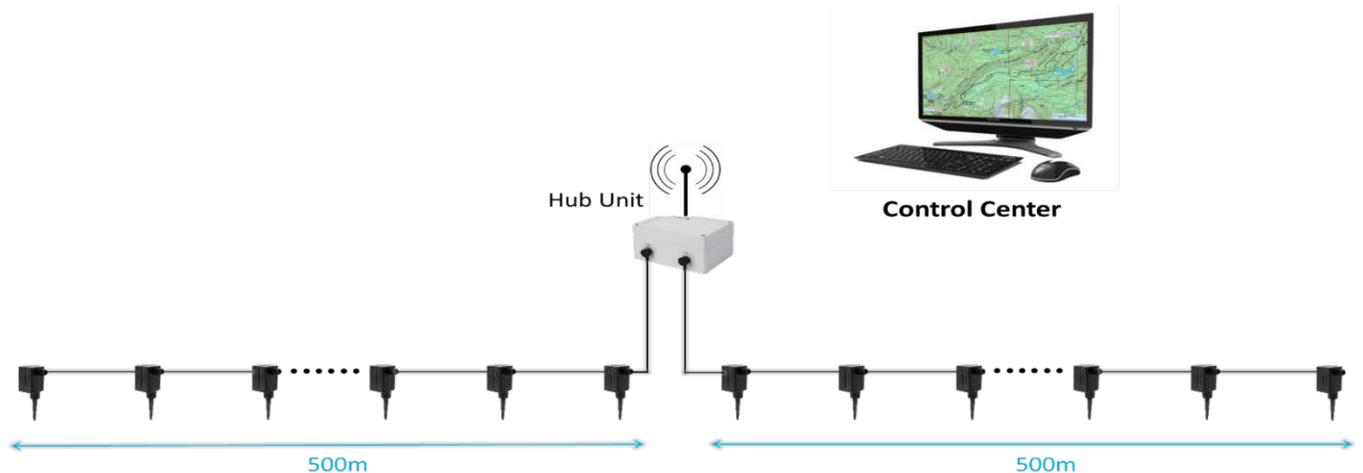


Wind Resistant

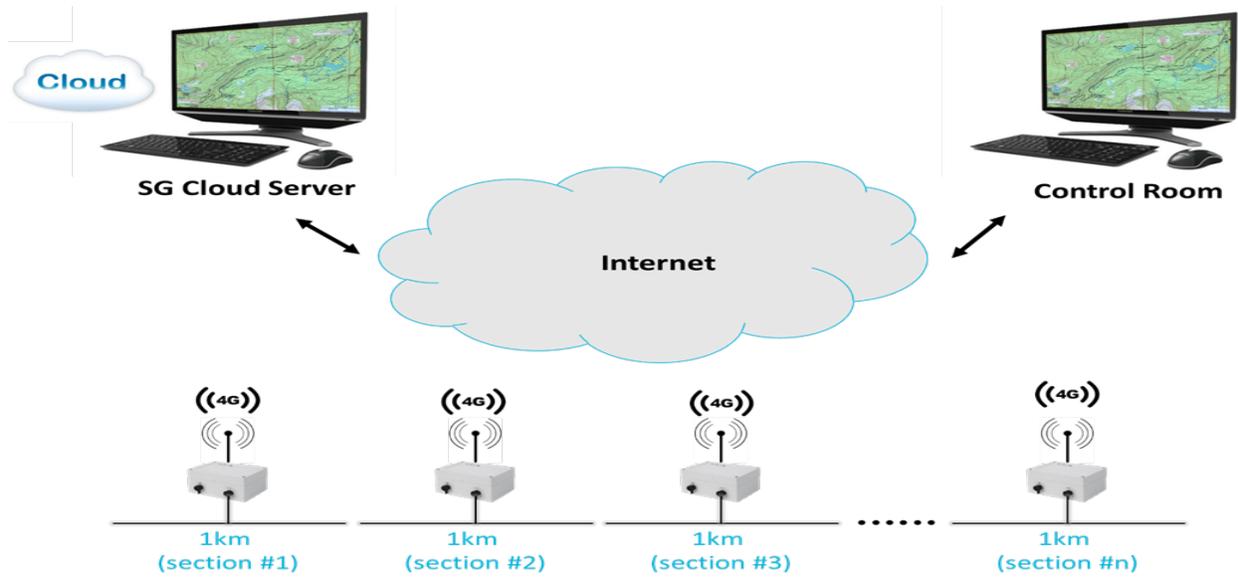


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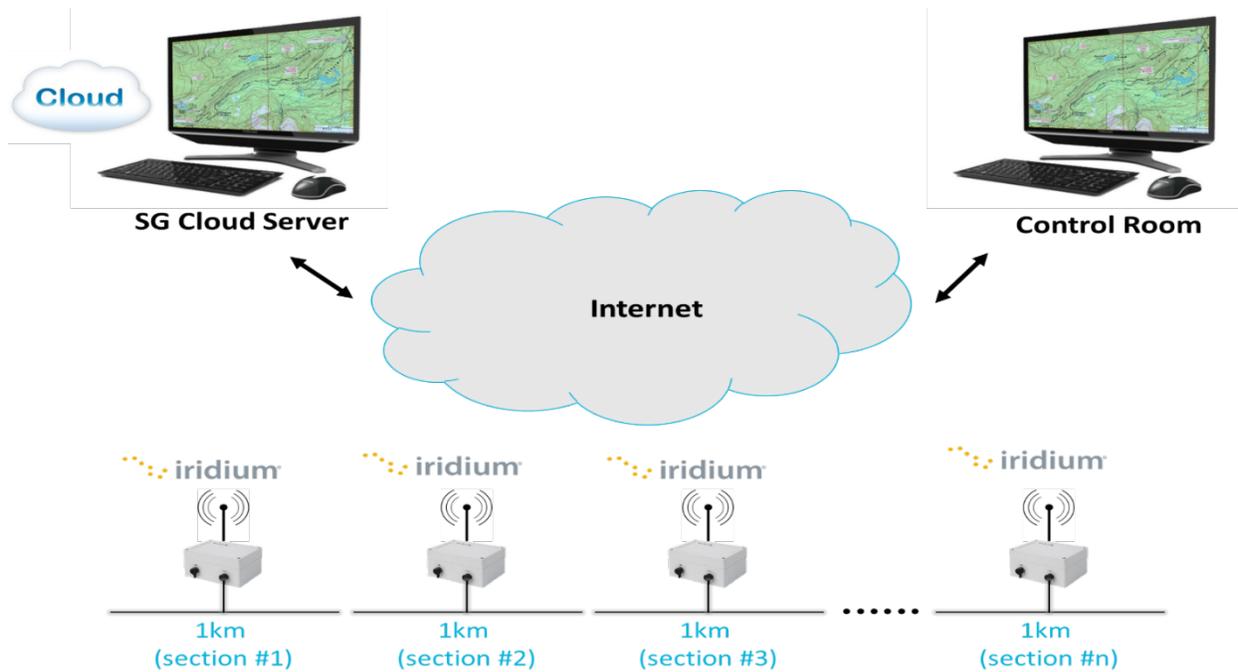
#### Sample System Diagram



### SG-PPS: GSM Based System Layout



### SG-PPS: Satellite Based System Layout



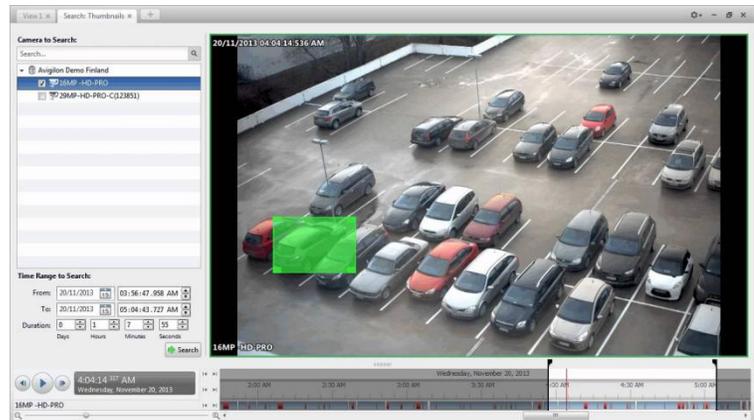
## CCTV integration

Explosion Proof, CCTV installed at key points of asset / pipeline (for example flow-stations) to provide around the clock surveillance as to allow the operator to investigate areas of alarm with PTZ function.



## All monitored from the highly acclaimed Surveillance VMS – The BEST Evidence

- Highly Scalable
- Ease of use
- Line crossing
- Face detection
- Self-learning analytics
- Platform open to integrate
- Robust performance



## 12. Civil & Network Infrastructure

POLAR AFPRO LTD has access to engineering and installation teams who are supported by highly experienced civil works teams to provide all the necessary enabling works prior to any security installation. We can provide to all our installations:

- Excavations
- Guard patrol footpaths
- 'Sterile strips' around the perimeter
- Below-ground ducting for cabling
- Camera bases
- Gate and turnstile bases
- Blast walls
- Data Centre cabling
- Solar power
- Fiber
- Radio Links



### 13. Security Training

With Polar Afpro Security and its employees' wealth of international experience and with the emphasis placed on Africa, we offer training in the full range of corporate and industrial defense security. These comprehensive training modules include:

- Crisis management & contingency planning
- Training of security staff for public & private sectors
- Surveillance and counter-surveillance
- Intelligence services
- Bomb-detection training



### 14. Maintenance & SLA

Polar Afpro offers extensive maintenance plans and service level agreements. We support all of our installation across Nigeria which ensures optimal functioning of equipment and extending the product-life cycle.



**Our Major clients Include:**

			
		 CENTRAL BANK OF NIGERIA	
 British High Commission	 ...ensuring beauty and protection	 WWW.BETKING.COM	 "L.T.T." Coastal & Marine Services Ltd "WE ARE RELIABLE" YOU CAN COUNT ON US 24/7.
			
		 Innovative Technologies Empowering Africa	
			
			
			

## 15. Project References

### **DANGOTE**

- Supply & installation of an elaborate 18-wire, 32km Electric Perimeter Fence
- Supply & installation of 32km Seismic invisible perimeter detection system

### **CBN – CENTRAL BANK OF NIGERIA**

- Supply & Installation of Advanced Command & Control Center & Software at Central Bank of Nigeria Headquarters & 34 Branches – Country wide

### **EFCC**

- EFCC – Lagos, Nigeria
- Installation of Extensive CCTV, Access Control and Command & Control Room Systems
- Supply of Cloud VMS Body Worn Cameras System

### **NNPC**

- NNPC - Lagos, Nigeria
- Installation of Extensive ATEX CCTV System
- Installation of Offshore SPM ATEX CCTV, Alarm and Radio System

### **CHEVRON**

- Chevron Residential Complex - Lagos, Nigeria
- Installation of Extensive Alarm systems in 240 Living Units in various locations
- Installation of Access Control Bollards System

### **TOTAL ENERGIES NIGERIA**

- Total Nigeria - Abuja, Nigeria
- Installation of Entrance control – Bollard System

### **OVH ENERGY**

- OVH Energy – Lagos, Nigeria
- Installation of Extensive CCTV & Access Control Systems

### **JULIUS BERGER (TLE)**

- Julius Berger Plc. / Chevron- Twin Lakes Estate – Lagos, Nigeria
- Installation of Extensive CCTV & Access Control systems

### **ZENITH BANK**

- Zenith Bank PLC, Nigeria - Installation of Extensive Fire- and dehumidifier systems in various Archive Branches across Nigeria

### **SKYE BANK – POLARIS BANK**

- Skye Bank – Now Polaris Bank – 16 Branches across Nigeria
- Installation of Extensive CCTV Systems

### **BRITISH HIGH COMMISSION**

- British High Commission – Lagos Nigeria
- Installation of 2 x Crash rated gates System

### **CONSULATE GENERAL OF GERMANY**

- Consulate General of the Federal Republic of Germany – Lagos, Nigeria
- Installation of Extensive CCTV and Fire Access Control Systems

### **CCECC**

- CCECC – Lagos Nigeria
- Installation of Extensive CCTV & Control Room Systems

### **MEGA PLAZA**

- Mega Plaza- Lagos, Nigeria
- Installation of Extensive CCTV & Access Control Systems

### **DATA GROUP**

- Data Group – Lagos, Nigeria
- Installation of Extensive CCTV, Fire, Access Control and Command & Control Room Systems

### **CYBERSOC**

- Cybersoc – Lagos & Abuja, Nigeria
- Installation of Extensive CCTV, Access Control and Command & Control Room Systems

### **TEK EXPERTS**

- Tek Experts for ETCO FM – Lagos, Nigeria
- Installation of Extensive CCTV, Access Control Systems and Voice, Data and Wi-Fi Infrastructure Termination & Racking

### **BERGER PAINTS**

- Berger Paints – Lagos Nigeria
- Installation of Extensive CCTV System

### **CEFO**

- CEFO Premium Logistics, PHC, Nigeria
- Installation Electric Fence Solutions and Time-lapse cameras systems

### **LTT COASTAL MARINE**

- LTT Coastal Marine – Apapa Lagos Nigeria
- Installation of Extensive CCTV System.
- Installation of Extensive offshore CCTV System.

### **BETKING**

- Betking Head office – Ikeja Lagos Nigeria
- Installation of Extensive CCTV & Access Control Systems

### **EBM**

- EBM Systems - Lagos, Nigeria
- Installation of Extensive CCTV & Access Control Systems

### **AGRITED**

- Agrited – Lagos, Nigeria
- Installation of Extensive CCTV & Access Control Systems

### **QUALITY INN HOTEL**

- Quality Inn Hotel – Lagos, Nigeria
- Installation of Extensive CCTV System

### **CEDAR CREST HOSPITAL**

- Cedar Crest Hospital – Abuja Nigeria
- Installation of Extensive CCTV & Access Control & Fire Systems

### **C2S NIGERIA**

- C2S Nigeria – Lagos, Nigeria
- Installation of Extensive CCTV, Fire and Access Control Systems

### **THE BLACK BELL**

- The Black Bell – Lagos, Nigeria
- Installation of Extensive CCTV System

### **FOURTEEN 36**

- Mall 1436 – Lagos, Nigeria
- Installation of Extensive CCTV System

### **ORKILA CHEMICALS**

- Orkila Chemicals – Lagos Nigeria
- Installation of Extensive CCTV System

**Contact us:**

**Polar Afpro Ltd.**

67D Kofo Abayomi Street | Victoria Island | Lagos | Nigeria

[info@polarafpro.com](mailto:info@polarafpro.com)

E : [davidi@polarafpro.com](mailto:davidi@polarafpro.com) / [ofer@polarafpro.com](mailto:ofer@polarafpro.com) / [jc@polarafpro.com](mailto:jc@polarafpro.com) |

T : +234-906-000-1424 / +234-803-978-6014 / +234-814-640-4111 |

W: [www.polarafpro.com](http://www.polarafpro.com)

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