

PRODUCT CATALOG

...Going beyond Boundaries



About Us

Advonics Services Nigeria Limited (ASNL) is a technology company delivering a comprehensive range of high-tech security solutions for Nigeria's transportation value chain. For over eight years, the company has positioned itself as the preferred one-stop partner for the Federal Government of Nigeria in meeting the physical and intellectual security needs of the nation's air, marine, and rail infrastructure.

Working in collaboration with OEM technical partners across Europe, the USA, Asia, and the Middle East, ASNL has successfully deployed advanced solutions to safeguard the nation against threats such as explosives, prohibited weapons, contraband, biological hazards, toxic chemicals, and narcotics.

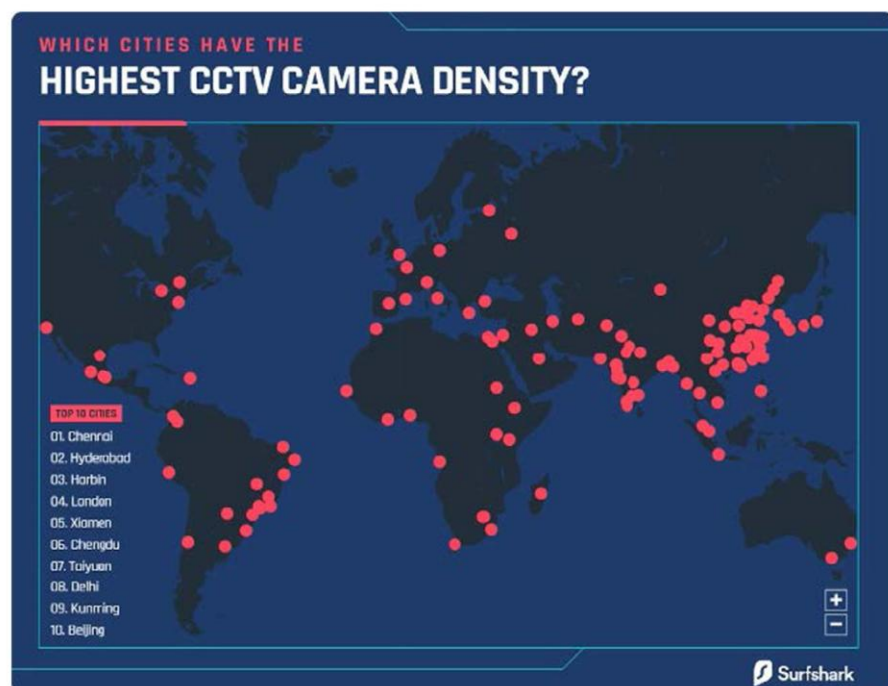
ASNL provides bespoke, turnkey security solutions that cover the full spectrum: risk assessment, supply, installation, testing and commissioning, training, and maintenance. Its portfolio includes state-of-the-art equipment such as baggage, body, and handheld scanners, liquid explosive detectors, narcotics detectors, and trace explosive detectors, among others.

INTRODUCING ASNL EXPERTISE IN ADVANCED SECURITY SOLUTIONS

ASNL has established itself as a trusted partner in the security industry, with a proven track record of delivering innovative and reliable solutions.

Our team of experts combines deep knowledge of security challenges with cutting-edge technologies to design comprehensive systems that are both effective and user-friendly.

We prioritize proactive security, leveraging predictive analytics and real-time monitoring to identify and address potential threats before they materialize.



1 Comprehensive Approach

We provide a complete suite of security solutions, covering everything from perimeter protection to access control and surveillance systems.

Our holistic approach ensures that every aspect of security is addressed and optimized for maximum effectiveness.

2 Customization & Flexibility

We recognize that every client has unique security requirements.

Our team works closely with you to understand your specific needs and develop a customized solution that perfectly aligns with your operations and environment.

3 Commitment to Excellence

ASNL is committed to delivering exceptional customer service and unwavering support.

Our dedicated team is available to address your questions, provide training, and ensure the seamless operation of your security systems.

4 Innovation & Future-Proofing

We are constantly pushing the boundaries of innovation, incorporating emerging technologies to ensure that your security infrastructure remains ahead of evolving threats.

We invest heavily in research and development to stay at the forefront of the industry.



Key Features

- ▶ Thermal Imaging
- ▶ AI Integration
- ▶ Scalability
- ▶ Real-time Analytics
- ▶ Remote Monitoring
- ▶ User-Friendly Interface



Product Benefits

- ▶ Enhanced Detection
- ▶ Proactive Security
- ▶ Operational Efficiency
- ▶ Cost Savings
- ▶ Increased Safety
- ▶ Improved Decision Making



Product Applications

- ▶ Perimeter Security
- ▶ Critical Infrastructure Protection
- ▶ Access Control
- ▶ Public Safety
- ▶ Event Security

A faded watermark of the ASNL logo is centered in the background. It includes the text "Designed by:" above the large letters "ASNL", and below them, "ADVANCE SERVICES HIGIERIA LIMITED", "ALFA ROMEO", and "ALFA ROMEO MOTOR".

OUR PRODUCTS

AI-BASED CCTV WITH PERIMETER SOLUTIONS



Our AI-powered CCTV systems with thermal scanning capabilities provide unparalleled situational awareness and proactive security. Leveraging the power of thermal imaging, these systems can detect heat signatures, enabling them to identify potential threats even in low visibility conditions, such as darkness or dense fog.

This technology is particularly effective in detecting intruders, unauthorized access, and other security breaches that may go unnoticed by traditional CCTV systems.





BARRIERS AND BOLLARD SYSTEMS

FEATURES

Our high-security barriers and bollards offer robust physical protection, controlling and restricting access to sensitive areas.

These systems are engineered to withstand high-impact forces, deterring unauthorized vehicle entry and creating a formidable physical deterrent. They can be seamlessly integrated with access control systems, providing a comprehensive and secure perimeter protection solution.

- ▶ **Robust Construction:** designed to withstand high-impact forces, preventing unauthorized vehicle entry.
- ▶ **Automated Operations:** Integrated with access control systems for automate operation, allowing for controlled access and egress.
- ▶ **Aesthetic Design:** Available in various designs to seamlessly blend with the environment, minimizing visual disruption while maintaining high levels of security.
- ▶ **Scalability:** Can be deployed in various configurations, from single bollards to complex barrier systems, to suit different site requirements and security needs.
- ▶ **Customization:** Options for customization, such as color, height, and material, to match the specific requirements.



X-RAY BAGGAGE SCANNER

FEATURES

These systems utilize high-resolution X-ray technology to provide detailed images of the contents of bags, packages, and personal belongings, allowing security personnel to identify prohibited and dangerous items with high accuracy.

- ▶ **X-Ray Scanning:** High-resolution X-ray technology generates detailed images of the content of bags, packages, and personal belongings.
- ▶ **AI Detection:** Advanced AI algorithms analyze the X-ray images, identifying potential threats such as weapons, explosives, and prohibited substances.
- ▶ **Alerting System:** The system generates alerts and notifications to security personnel, highlighting potential threats and enabling swift action to be taken.
- ▶ **Manual Inspection:** Suspect items can be further inspected manually, ensuring that potential threats are addressed.



Our X-ray inspection systems provide comprehensive security for personnel, mail, and parcels, ensuring the safety of your facilities and personnel.



MAIL AND PARCEL EXPLOSIVE SCANNER

FEATURES

- ▶ Rapid Screening of small mails, parcels and packages
- ▶ High Definition Images for optimum visual clarity
- ▶ Can Identify powder and IED component parts
Detections of low density materials such as white powder and narcotics
- ▶ Easy to Deploy and compact
- ▶ 3D feature for analysing depth and inverse filter for highlighting fine wires



LIQUID EXPLOSIVE DETECTOR

FEATURES

- ▶ Applies CT technology to analyze liquid properties through computed tomography scanning.
- ▶ Accurately detects and differentiates between substances such as water, milk, alcohol, gasoline, lacquer thinner, sulfuric acid, and other common liquids.
- ▶ Classifies liquids into three safety levels: Safe, Suspect, or Dangerous.
- ▶ Provides both video and CT images of detected objects for analysis and traceability.
- ▶ Detects liquids contained in glass, plastic, metal, ceramics, and other common packaging materials.
- ▶ High-speed detection: completes analysis in under 20 seconds per item.



A QUANTUM LEAP IN SECURITY SCREENING

Screens people, their hand-carried bags, and wheeled cabin-sized luggage for explosives.

NEXT GENERATION FALCON SCREENING TECHNOLOGY

FEATURES

- ▶ Handles up to 3,000 people per hour with automatic detection of explosives, weapons, pyrotechnics, narcotics, and cash.
- ▶ Enhances speed and agility while remaining highly mobile for rapid indoor or outdoor deployment.
- ▶ Provides advanced monitoring, management, and reporting features.
- ▶ Streamlines operations, reducing complexity and costs.



BAGGAGE AND VEHICLE INSPECTION SYSTEMS

FEATURES

Our advanced baggage and vehicle inspection systems deliver comprehensive screening to safeguard facilities and personnel.

Using high-penetration X-ray technology, they scan dense objects to reveal concealed items and potential threats.

AI-powered threat recognition algorithms automatically analyze images, flagging suspicious items and helping security teams make fast, informed decisions.

- ▶ **High-Penetration X-Ray:** Provides deep inspection of dense objects, revealing concealed items and potential threats.
- ▶ **Automatic Threat Recognition:** AI-powered algorithms identify suspicious items, alerting security personnel to potential dangers.
- ▶ **High-Speed Processing:** Minimizes inspection time, allowing for efficient screening of baggage and vehicles.



GANTRY VEHICLE INSPECTION SYSTEM

FEATURES

- ▶ **Throughput:** Screens 100-120 vehicles per hour for high-traffic efficiency.
- ▶ **Compact Design:** Small footprint enables installation in space-limited sites.
- ▶ **High Performance:** Delivers fast, reliable results with advanced X-ray imaging.
- ▶ **Crew Requirement:** Operates with a minimum team of four (1 supervisor, 2 image operators, 1 traffic controller).
- ▶ **Compliance & Safety:** Meets international radiation safety standards for operators and passengers.





HANDHELD NARCOTICS AND EXPLOSIVE TRACE DETECTORS

FEATURES



- ▶ Our portable handheld narcotics and explosive trace detectors deliver rapid, on-the-spot screening for potential threats.
- ▶ With high sensitivity, they detect even trace amounts of substances and provide fast, reliable results across diverse operational scenarios.
- ▶ Designed for ease of use, they can be operated confidently even by personnel with minimal training.

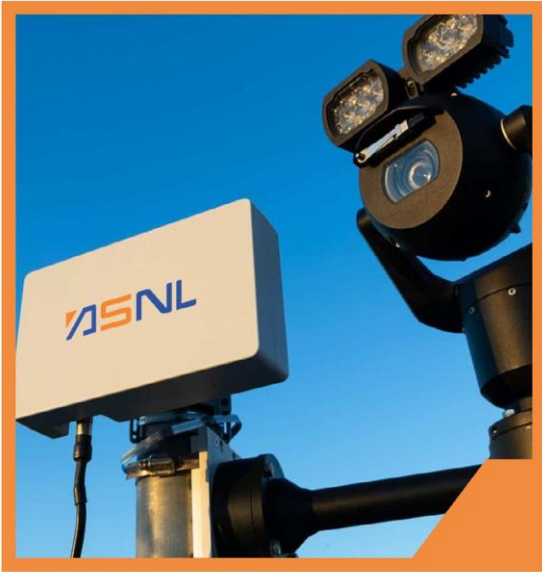


The Itemiser 5X comes in the forefront in the fight against terrorism at the Security screening and checkpoints.

ITEMIZER 5X TRACE DETECTOR

FEATURES

- ▶ The system uses optimized detection libraries and advanced algorithms to identify trace amounts of explosives and narcotics with high accuracy.
- ▶ Its technology enables rapid alarm resolution, manages high screening volumes, and reduces bottlenecks during peak traffic at train stations.
- ▶ The Explosive Trace Detection (ETD) machine offers a cost-effective and reliable solution for train stations, airports, and commercial facilities.
- ▶ The Rapiscan (formerly Morpho Detection) Itemiser 5X delivers fast, portable, and ergonomic explosives detection.
- ▶ A nonradioactive ionization source eliminates the need for annual wipe tests, licensing, and reduces shipping challenges.



The Ultimate Perimeter Security Solution

MAGOS RADAR SYSTEM

FEATURES

- ▶ With best-in-class resolution and coverage, Magos radars deliver exceptional detection in all weather and lighting conditions, even in complex, cluttered environments. Leveraging advanced technologies such as MIMO, digital beamforming, and a high channel count, they achieve outstanding performance against all types of threats.
- ▶ The Magos MASS+AI solution combines radar's superior detection with AI-driven video object classification, filtering out nuisance alarms caused by wildlife and fauna. This synergy reduces false alarms to near zero while maintaining uncompromised threat detection capabilities.



MOBILE X-RAY SCANNER VAN

FEATURES

- ▶ Mobile, flexible security screening.
- ▶ Scans wide range of objects.
- ▶ Powerful X-ray generator.
- ▶ Penetration up to 35mm steel.
- ▶ On-board power generator.
- ▶ Insulation and air-conditioning.



POWERLINE/PIPELINE INSPECTION SYSTEMS WITH DRONES:

FEATURES



- ▶ AI Analytics: Automated detection of faults and anomalies.
- ▶ Dual Cameras: Equipped with both thermal and normal cameras for comprehensive inspections.

Innovative drone solutions for inspecting powerlines/pipeline using AI and thermal imaging.



BALLISTIC VESTS AND STRIKE PLATE

FEATURES

LEVEL 3 BALLISTIC VEST WITH BALLISTIC STRIKE PLATE LEVEL



CARRYING SYSTEM BODY ARMOUR



EXO SKELETON FULL BODY ARMOUR

- ▶ Lightweight for enhanced comfort and mobility.
- ▶ Extremely strong to withstand high-impact threats.
- ▶ Corrosion-resistant for long-lasting durability.
- ▶ Heat-resistant to maintain performance in extreme conditions.



BALLISTIC VESTS AND STRIKE PLATE



COMFORT AND FUNCTIONALITY MATTERS WITH PRECISION

- ▶ Outstanding protection against rifle fire without compromising comfort or mobility, with options tailored to individual needs.
- ▶ Thin, lightweight design using advanced materials for greater efficiency.
- ▶ Versatile ballistic panels adaptable to various operational requirements.
- ▶ Customizable cuts available in both single-curve and multi-curve designs.





CONCUSSION GRENADE

FEATURES

- ▶ Non-lethal design intended for disorientation rather than destruction.
- ▶ Produces intense light and sound to overwhelm targets temporarily.
- ▶ Effective for crowd control and close-quarters situations.
- ▶ Compact and lightweight for easy deployment.
- ▶ Reliable safety mechanisms ensure controlled use.



CORE BALLISTIC HELMET



HYBRID BALLISTIC HELMET

BALLISTIC HELMET LEVEL 3

FEATURES

CORE AND HYBRID OPTIONS

- ▶ Hybrid has titanium protection inner shell.
- ▶ Enhanced air circulation.
- ▶ Integrates seamlessly with head gears (cameras, lights, radios and thermal binoculars).

Our Clientele



FEDERAL MINISTRY
OF TRANSPORTATION, NIGERIA



FEDERAL MINISTRY
OF AVIATION AND AEROSPACE



THE NIGERIAN
ARMY



DEPARTMENT OF STATE
SERVICES (DSS)



NIGERIAN
PORTS
AUTHORITY



NIGERIAN
RAILWAY
CORPORATION

ASNL COMMITMENT:

Delivering advanced security solutions tailored to your needs.



Continuous innovation and support to ensure your security infrastructure is always ahead of threats.

RC:497786

ASNL

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