



SANTS INTERNATIONAL TRADING CO.,LTD

603E,6/F, HANG PONT COMMERCIAL BUILDING, 31 TONKIN ST., CHEUNG SHA WAN, KOWLOON, HONG KONG

TEL / FAX : +86-13416407902 - EMAIL : INFO@SANTSGROUP.COM

www.santsgroup.com

The only SIT-01based technology system that allows the Detection, Recording and Localization of all common nitrogen based explosives (including ammunition), potassium chlorine-based explosives and liquid explosives on ground and under water with detection range of up to 20 KM.



SIT-01 is a unique worldwide EARLY WARNING SYSTEM for explosives and ammunitions under a GIS ENVIRONMENT.

The system detects and records on a computer the precise and specific location of distinguishable explosives and ammunition from long distances.



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SIT-01 Long Range for Explosives & Narcotics Detection, Localization & Recording System

Technical Specifications

Method of Detection	Magnetic Tuned Phenomenon.
Detection/Reaction Time	6 - 10 Seconds for a 180 degrees sector.
Operation temperature	-5 Celsius to 40+ Celsius.
Maximum Wind Speed	> 2 M /SEC.
Power	12 volt – 5 Amp.
Area of Application	<ul style="list-style-type: none"> • Plain fields. • Under ground. • Under water. • Airports and customhouses. • Public foundations. • Border crossings. • Security of open areas. • Military foundations. • Shipyards and ports. • Embassies. • Armed forces. • VIP Escort. • Police and general security. • Nuclear stations. • Wildlife Protection. • Search and rescue operations. • Events that require strict security measures.
Detection Range	<ul style="list-style-type: none"> • Ground level: 0 to > 3000 meters. • From Aircraft: Up to 3000 meters. • Under Water: Up to 50 meters. • Underground: Up to 25 meters.
Explosives Material	<ul style="list-style-type: none"> • AMFO. • RDNX. • TNT. • PeTN. • DYNAMITE. • Nytrogelysreen. • Nitro glycerin. • Bakrik Acid. • Tetrick. • Hexogen (RDX). • Aktogen. • Mud \Water gel explosives. • Emulsified explosives. • Chlorite \ Alberchlorite. • Rubber Explosives. • Neptrojandin. • DNT.



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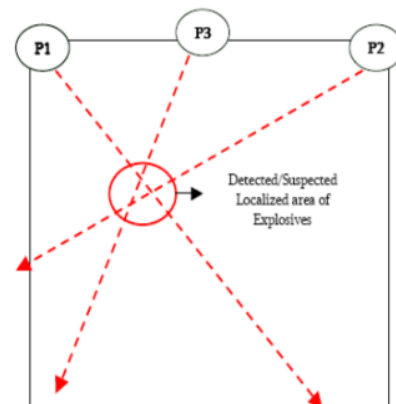
Narcotics Material	<ul style="list-style-type: none"> • C1, C2, C4, C5, PEA1-2-5, SEMTEX. • All Materials.
Detection, Localization & Recording system	<ul style="list-style-type: none"> • Stand Alone Detector is supported with System. • Controller is supported with THIS SYSTEM Based Early Warning System.
Limitations	NO LIMITATIONS in range targets. The EMF easily penetrates metal, wood, water, cement walls, containers and lockboxes.
Warranty	<ul style="list-style-type: none"> • 2-year limited warranty on hardware. • 2-year limited warranty on support systems. • 1-year electronic media support. (TWO YEARS FOR E.U.) • 5-year Extension Available.

“ SIT-01 ” Long Range Sensor Specifications

ON/OFF Button	A blue small button on the down part of the system base. (PUSH ONCE IS ON , PUSH TWICE IS OFF)
Detection Alarm	3 SMART LED lamps indicate when defined the magnetic tuned phenomenon with the material. (3 lamps flash at once means detections achieved).
Display screens	<ul style="list-style-type: none"> • SIT-01 : A Handheld Android Device with Digital GIS Display Screen. • SYSTEM ' Controller: A Portable Laptop with O.S - GIS based operating System.
NATO Standard Transport & Storage Case includes:	Handheld Android Device. Base for the Handheld Device. SIT-01 Support System.

Detection Process

1. Define the area of search to be conducted.
2. Understand the geography of the location.
3. Collect the data.
4. Scan the area from three different locations P1, P2 and P3.
5. The explosive location is in the triangulated are between the 3 lines where there is only one detected material (explosives/ammunition) in the location.





SIT-01 Based Early Warning System

“ SIT-01 ” detector is available as a standalone detector or as a client for the SYSTEM SIT-01 server based controller with a GISMap.

SIT-01 SYSTEM controller can see every user's antenna direction and the exact position of users on the computer (SIT-01) screen, on a digital map.

The exact point of located explosives on the ground or surface of sea in real time recorded in a (GIS) data base and represents the coordinates of the located explosives.

