# STRATIGN

STRATEGIC DEFENCE TECHNOLOGIES

## Our Vision

OUR VISION IS TO BE THE MOST TRUSTED PROVIDER of **Systems, Technologies** and Impregnable **Intelligence Solutions** for our **Defense** and **Law Enforcement Customers.** 

As Technology Leaders, we will define the future





Stratign holds an apex position around the globe in Communication Interception, Signal Processing Systems, Communication Jamming And Communication Security Systems. Established in the year 2002, Stratign has a strong presence in Middle East, South East Asia, Africa, Europe, Latin America And CIS Countries.

With continuous endeavor in the filed of R&D paired with our committed and highly skilled team, we provide precise, customized solutions for the challenges faced by our customers. Stratign's cutting edge technologies are integrated into various products through the years and have given a competitive advantage to it in the International Market.

Professional Commitment, Client Focus, Creativity & Innovation, Excellent Performance, Integrity, Teamwork and to strictly stand by its commitments are Stratign's values.



### Our Uniqueness....

Our strength is to customize products to meet your exact requirements and we don't believe in just selling boxes!



Solutions for
International
Defense /
Government through
Global Presence.



Continuous Product
Upgrades and
Innovations



Tie – up with Strategic Partners



Better and Online Product and Service Support



Continuous In-house and Customer Oriented Training Programs.



Regular Feedback from customers and Partners



### Our Expertise





## OUR PRODUCTS



#### **COMINT**

### COMJAM

### COMSEC

Secure GSM Phone

Satellite Phone Encryptor

### **Special Products**

### **ELINT & ESM**

**GSM** -Passive

**GSM** -Semi-Active

GSM -Hybrid

**GSM-IMSI Catcher** 

**CDMA** 

Strategic Thuraya Monitoring System

Tactical Thuraya Monitoring System

Iridium Monitoring System

**Tactical Isat Monitoring System** 

**Unified Satellite Phone Monitoring** System (Thuraya | Iridium | IsatPhone Pro )

Satellite Monitoring System

**VSAT Monitoring System** 

HF/VHF/UHF Multi-channel Signal **Analysis Station** 

Wi-fi Interception System

**Drone Jammers** 

**GNSS Jammers** 

Radio Jammers

Cell Phone Jammers

Intelligent Cellphone Jammer

Prison Jammer

Vehicle Mounted and Man Portable RCIED Jammers

FM Jammers

Satellite Jammers

**OSINT** 

VPA (Voice Print Analysis)

Face Recognition System

Cyber Defense Solution

SMS Broadcasting System

Crypt Analysis System

**High Speed Computing** 

Natural Language Processing

Control Centre

**Voice Forensics System** 

Search & Rescue

**Document Analysis System** 

**Customized Command &** 

Data Diodes

**Training** 

Satellite Geo-Location System

Portable Direction-**Finding System** 

**BTS-Hunter** 

Wi-Fi Hunter

Radar Warning Receivers (RWR)

Electronic Support Measures (ESM)



# COMMUNICATION INTELLIGENCE (COMINT)



### Passive GSM Interception System

The system, in the passive mode, is a multi-channel tunable GSM Monitoring system which can be used to intercept communications from any cellular service provider using A5/2 and A5/1 encryption algorithm.

Few Features of Stratign's Passive GSM System:-

- > 100% Passive system. Presence of the system cannot be detected by anyone.
- Capable of Intercepting duplex Voice and SMS communications.
- Capable of monitoring GSM- 850/900/ 1800 /1900, 3G & 4G networks.
- Real-Time Passive Deciphering of A5/1, A5/2, A5/0 encrypted signals.
- Automatic Scanning of GSM network parameters in the controlled area (Service Provider, Broadcast Channel No, LAC, Cell IDs, and Signal levels).......



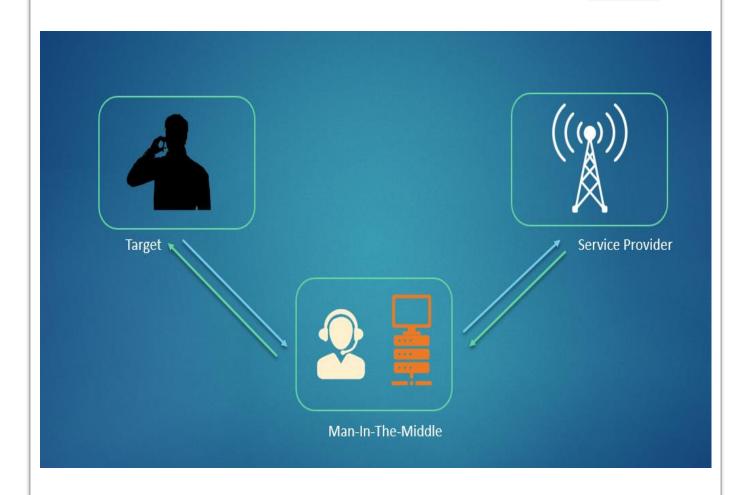


### Semi-Active GSM Interception System

In the active mode, the system emulates the cellphone tower making it appear as a genuine entity and forces the target's mobile to register with it.

Few Features of Stratign's Semi-active GSM System:-

- Interception and logging of GSM-850/900/1800/1900/3G and 4G Bands.
- Real-time Interception of GSM communications encrypted using A5/1, A5/2 and A5/3 Ciphering algorithms.
- The system can monitor all communications of the target (SMS, Voice, CRI, Location) till the time it is within the coverage range.
- The system is transparent to the target and the Service Provider.
- The system can extract the Target's actual Mobile Number......



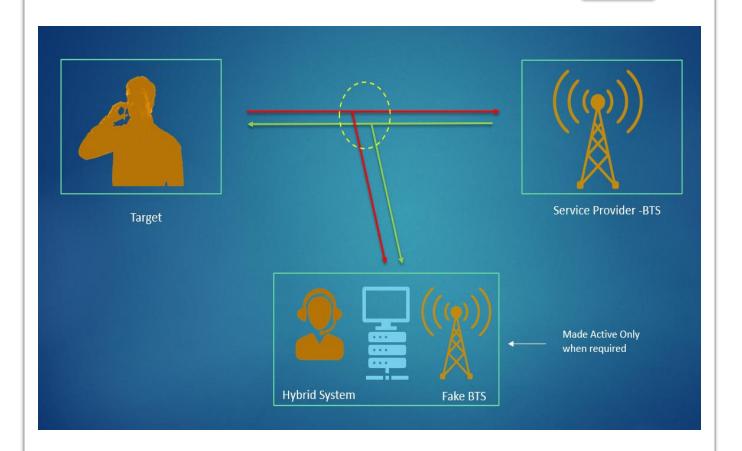


## Hybrid GSM Monitoring System

Both the Active and Passive systems are combined to form a hybrid system

Few Features of Stratign's Hybrid Monitoring System:-

- 2 100% Passive system, the presence of the system while in passive mode cannot be detected by anyone.
- Capable of monitoring GSM-850/900/1800/1900, 3G & 4G Cellular network.
- Capable of Intercepting Voice and SMS communications.
- > The system does not require the service providers SIM card for the operation unlike other Active systems.......



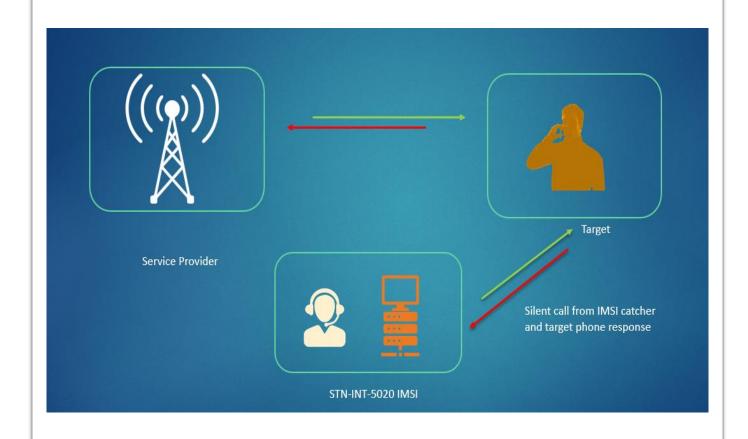


### **IMSI** Catcher

Stratign's STN-INT-5020 IMSI Catcher which is designed to covertly collect basic identities (IMSI, IMEI) of 2G, 3G and 4G mobile phones working within its coverage area without the knowledge of the service providers and the phone users. This will enable the agencies to identify the presence of the target in their area of operation.

#### Few Features of Stratign's IMSI Catcher :-

- Semi-active type of the IMSI/IMEI collection algorithm.
- Built-in "environment monitor" to assess and monitor the number of GSM, UMTS and LTE networks in an area, corresponding Base Stations and neighboring cells.
- Automatic configuration of transceiver modules depending on the RF environment.
- Full identification of IMSI, IMEI and TMSI information within its range and dynamic control capabilities, including comprehensive denial of service.
- Compatible with Stratign's portable Direction-Finding system....





# CDMA Monitoring System

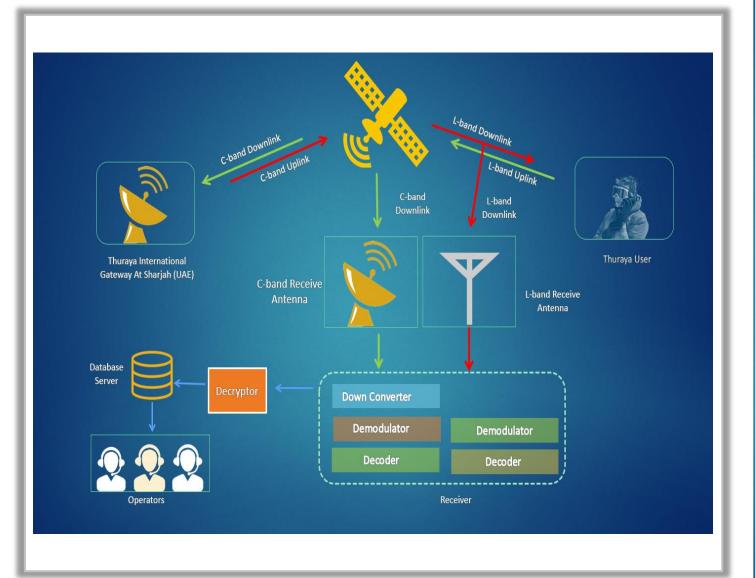
Multi Channel CDMA Monitoring System is a compact, innovative, state-of-the-art CDMA interception system, which can monitor and log CDMA communications in real time.

Few Features of Stratign's CDMA Monitoring System:-

- Automatically detects the live CDMA network frequency and logic channels.
- Automatically measure the base station signal level and its quality.
- Indicator on the GUI gives the current activity of the system.
- On-line monitoring of voice calls and SMS's.
- Playback of recorded calls.....







### Strategic Thuraya Monitoring System

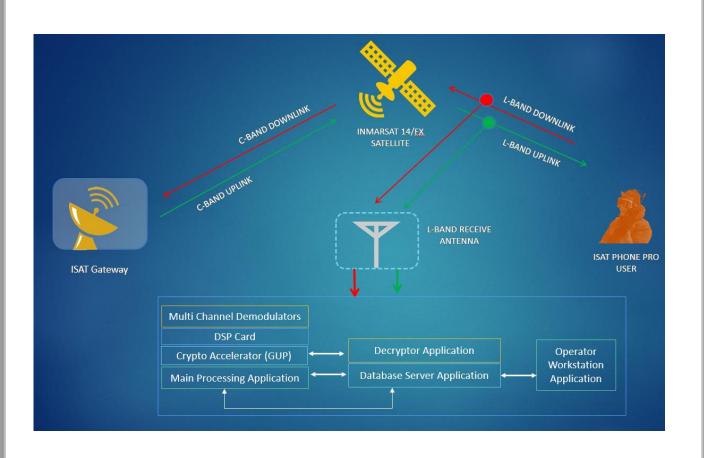
Stratign's Strategic Thuraya Monitoring system can provide both side of the communication (full duplex call), call related information along with the location of the Thuraya Phone by monitoring both L and C band downlink from the Thuraya satellite.

Few Features of Stratign's Strategic Thuraya Monitoring System :-

- System is designed & integrated to intercept Thuraya Communication from both Thuraya-2 and Thuraya-3 Satellite
- System monitors both C and L band downlink from the Thuraya satellites.
- The modular structure enables configuration of one system to monitor up to 7 spot beams simultaneously (scalable based on customer requirement).
- System can intercept 16 full duplex calls simultaneously per spot beam.
- The system can display the target's location on a Digital Map.....







## Tactical Thuraya Monitoring System

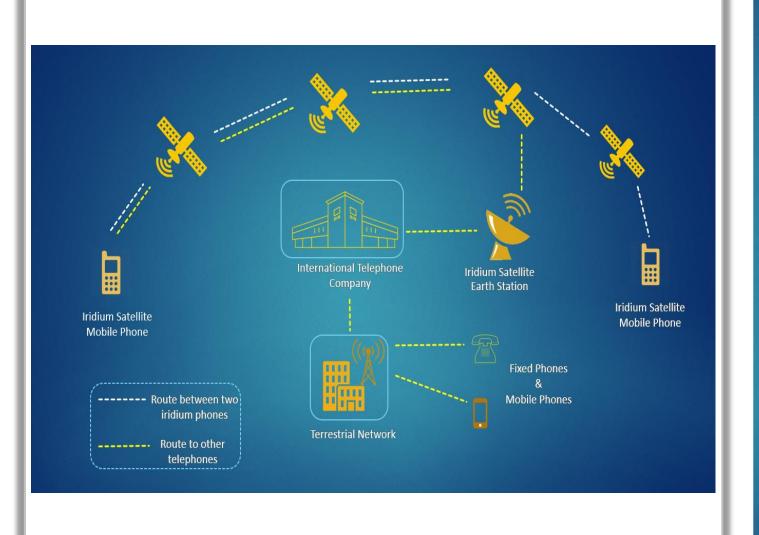
Stratign's Tactical Thuraya Monitoring System intercepts the signals from L-band uplink and downlink to provide duplex calls. Multiple Tactical Thuraya Monitoring Systems can be integrated with Strategic System to monitor a greater number of spot beams/larger area.

Few Features of Stratign's Tactical Thuraya Monitoring System:-

- The location of the target can be mapped on Digital map.
- System can intercept 16 full duplex calls simultaneously per spot beam.
- The system can monitor full duplex calls up to 15 Kms with LOS and simplex calls beyond that.
- The basic configuration of the system can be from 1 spot beam up to 7 spot beams and 16 simultaneous calls per spot beam (scalable based on customer requirement).
- Rugged & Portable system enables fast deployment even in difficult terrains ......







### Iridium Monitoring System

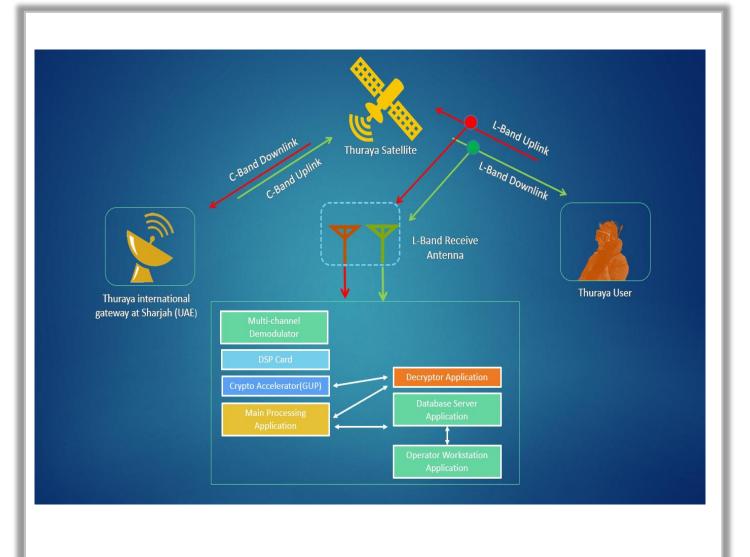
The Iridium Satellite Phone Monitoring System STN - 3415 is designed to intercept uplink and downlink signals from Iridium satellite communications.

Few Features of Stratign's Iridium Monitoring System :-

- System is capable to intercept Voice, Data and Text Communication from/to Iridium satellite phones.
- System can intercept 16 full duplex calls simultaneously (scalable based on customer requirement).
- The location of the target can be mapped on Digital map.
- Rugged & Portable system enables fast deployment even in difficult terrains
- System intercepts both uplink (15 kms) and downlink information (up to 1000kms) of the Iridium terminal at L-band.....







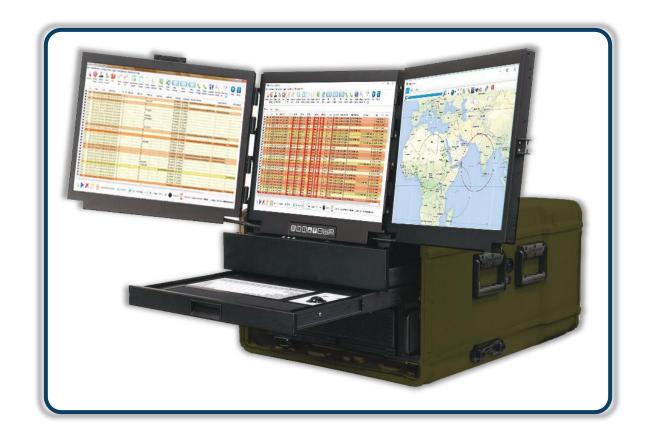
## Tactical Isat Monitoring System

Stratign's Tactical ISAT Monitoring System is designed to intercept ISAT Phone traffic (Voice, Fax and SMS) from ACeS ISAT Phone and ISAT Phone. System provides duplex call by Monitoring both Uplink and Downlink at L-band.

Few Features of Stratign's Tactical ISAT Monitoring System:-

- System monitors Voice, SMS, and Fax communication from ACeS Isat Phone, and IsatPhone Pro.
- Systems automatically detects, identifies and decrypts (after the call is completed) the Voice, SMS and Fax communication.
- System monitors both forward and reverse channels simultaneously.
- The system has a unique field for adding call synopsis.
- Multiple ISAT Monitoring Systems can be integrated with a unified control to monitor a greater number of spot beams/larger area.....





# Unified Satellite Phone Monitoring System

Stratign's STN-SATUS is designed as a unified solution to intercept uplink and downlink signals (L-Band) from Thuraya, IsatPhone Pro and Iridium satellite.

Few Features of Stratign's Unified Satellite Phone Monitoring System:-

- Unified 100% Passive System which can intercept Thuraya, Iridium and IsatPhone Pro Satellite Phones.
- Rugged & Portable system enables fast deployment even in difficult terrains.
- Automatic Interception, Decoding and Decryption of Voice, SMS and Text Traffic from Thuraya 2 or Thuraya 3, Iridium and Isat Phone Pro Satellite Phones independently or simultaneously (customizable).
- Capable of intercepting traffic from up to 7 spot beams of Thuraya, up to 4 narrow spot beams of Isat Phone Pro and up to 3 Iridium satellites over the area of operation simultaneously (customizable).......



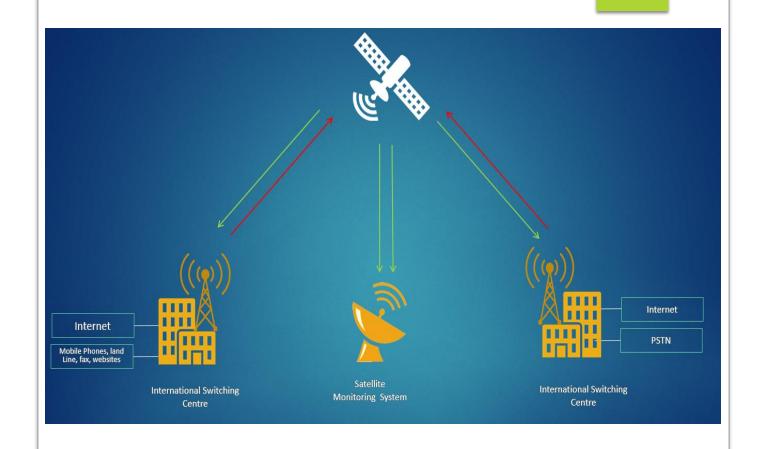


### Satellite Monitoring System

Stratign's Satellite Monitoring system will provide the intelligence agencies with all Satellite transported information by all the countries coming in the same satellite spot beams.

Few Features of Stratign's Satellite Monitoring System:-

- Interception of Domestic and International DCME and Non-DCME satellite carriers from C/ Ku / Ka / X band.
- Satellite data acquisition, real-time demodulation, decoding and decompression.
- Integrated Carrier Monitoring for finding new signals as well as hidden/discreet satellite signals.
- System is equipped with high capacity storage and archiving capability which can be customized as per user requirement.
- Automatic classification of DCME type used on targeted carrier by mentioning either PCM, ADPCM, DTX-2 40 (D, E, F), DTX-2 40 (T), CELTIC, PCME, NCM-501, DX-3000, TC-2000, DTX-360, DTX-600, DX-7000, DTX-600 IP........



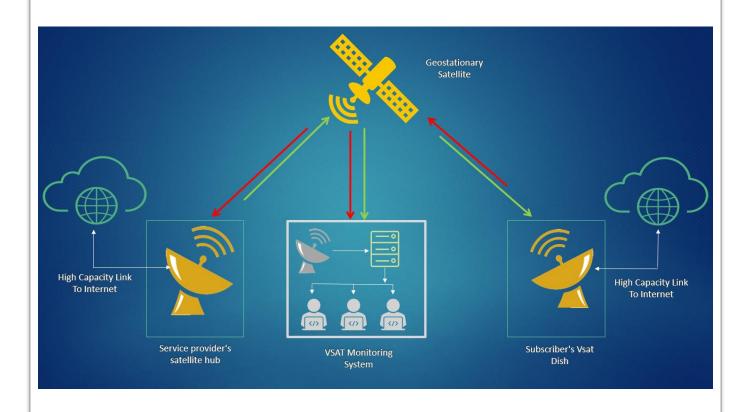


# VSAT Monitoring System

Stratign's VSAT Monitoring System provides a strategic Intelligence edge in its region to monitor VSAT networks of their own country as well as neighboring countries which are under the footprint of the satellite coverage.

Few Features of Stratign's Iridium Monitoring System :-

- Can intercept both in-route and out-route traffic through VSAT Hub and terminals operating on C, Ku, Ka and X-band.
- Can perform automatic scanning of all transponders of selected satellite for classification of VSAT carriers and their network type.
- Can provide preview of traffic payload from the scanned VSAT carriers.
- Modular architecture of the system allows its expansion just by adding additional demodulators and software licenses.....





## HF/VHF/UHF Multichannel Signal Analysis Station

#### Few Features of Stratign's VHF/UHF/SHF System:-

- Comprehensive intercept and location of all signals from 25 to 6,000 MHz or Fast-scanning detection with simultaneous DF of all detected signals at frequency channelization of 25 kHz.
- Multi-mission support using field-proven DF algorithms
- Detection and DF of multiple modern signals
- supports multiple signal types simultaneously
- Selectable wideband 40 Mhz (VHF/UHF/SHF) instantaneous bandwidth....







# Wi-Fi Interception System

Tactical Wi-Fi Monitoring System (STN-2052) has been designed for the purpose of providing your national defense and intelligence agencies with the capability to intercept the traffic from social networking sites (i.e. Facebook, Twitter), Chats (Facebook Chat, Yahoo Chat), Webmail (Gmail, Yahoo Mail etc.), Video Steaming (YouTube, Live leak).

#### Few Features of Stratign's VHF/UHF/SHF System:-

- Designed for Interception and reconstruction of IP traffic from both unsecured and secured WiFi networks
- Support 2.4 GHz or 5 GHz WiFi frequency bands
- Can break WEP, WPA-Personal, WPA2-Personal and WPA2-PSK secured WiFi networks
- Capable of working independent of firewall, antivirus and security updates
- Can intercept the traffic from target devices using different OS like Mac OSX, Windows, iOS, Android, Blackberry, Linux etc.







# COMMUNICATION JAMMERS (COMJAM)

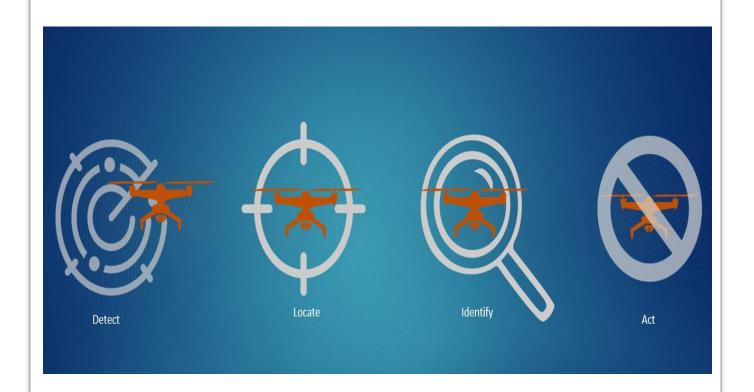


### Drone Jammer

Stratign's approach towards countering the UAV threat is based on a Four-step workflow - **Detect** the potential threat with the best possible probability of detection, **Locate** the Drone on a digital map, **Identify** the potential threat as an actual threat with the least possible false alarm rate, **Act** on the threat by raising alarms or engaging the threat with a counter measure.

#### Few Features of Stratign's Drone Jammer:-

- The system can Detect, Locate, Identify, Disrupt UAVs navigation system and data links up to 1000mt (Optional up to 4KM).
- Active solution capable of handling most of the commercial drones.
- Integrated RF sensor and jammer solution for instantaneous action on detection of drones.
- Capability of locating direction and position of drone using multiple RF sensors in tandem.
- Multiple systems can be used to cover larger vulnerable areas close to public places where civilian access is easy......



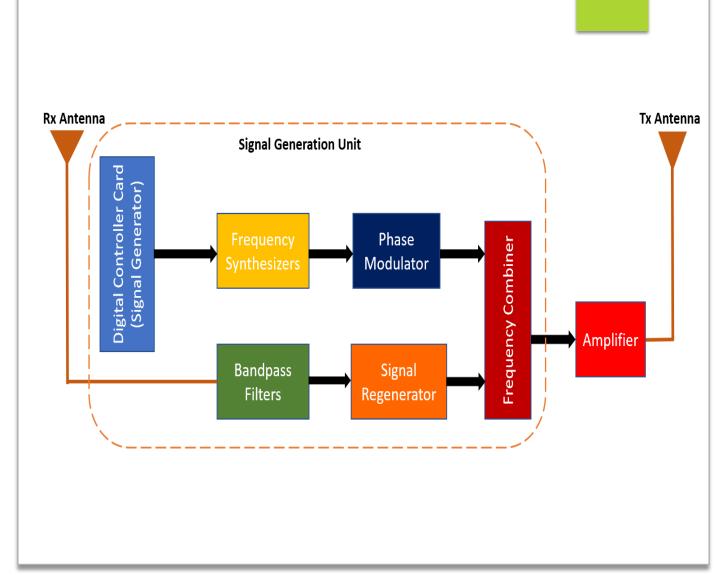


# Global Navigation Satellite System GNSS - Jammer

A satellite navigation or satnav system is a system of satellites that provide autonomous geo-spatial positioning with global coverage. It allows small electronic receivers to determine their location (longitude, latitude, and altitude/elevation) to high precision (within a few meters) using time signals transmitted along a line of sight by radio from satellites

Few Features of Stratign's GNSS - Jammer :-

- > Can be used to jam all modern GNSS systems.
- Highly portable and hence can be deployed in short time frames.
- Modular nature of construction makes it highly scalable with respect to output power, frequency bands, etc.....







# Cell Phone Jammer STN-ICJ3000

Unauthorized cellular phone conversations at sensitive places like Prisons, Court Houses, Military Facilities etc. is a serious threat to security. Stratign's Cellphone Jammer is intended for the security/government agencies and law enforcement groups to selectively jam any unauthorized cell phone communications in a sensitive/protected area. The system can covertly collect basic GSM information (IMSI, IMEI) of the mobile phones operating in the 2G, 3G and 4G/LTE networks within the coverage area and allow only the authorized cellphones to communicate.

#### Few Features of Stratign's STN-ICJ3000 Jammer :-

- The system is capable of Jamming 2G, 3G and 4G Phones. Highly portable and hence can be deployed in short time frames.
- The addition or deletion of mobile numbers in the white list can be done off-the-fly.
- The system is flexible and can be upgraded to cover larger areas or new networks....





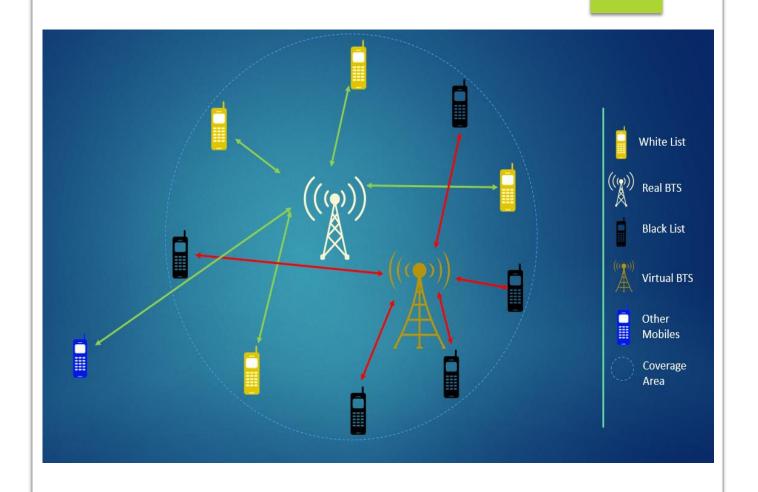


# Intelligent Cellphone Jammer

The unique technology used in Stratign's Intelligent Prison Jammer allows the operator to selectively block communications of the users within its coverage range, thus, allowing authorized phones to operate and block unauthorized phones.

#### Few Features of Stratign's Intelligent Jammer:-

- The system can create a white list for subscribers allowed to communicate and automatically denying services to all other phones in the area.
- There is no limit of phones that can be added to white list
- The system is flexible and can be upgraded to cover larger areas or new 2G/3G/4G networks.
- Selective denial of services like voice, SMS, data, etc. can be done to white listed subscribers.
- The system can Jam all 2G, 3G and 4G Phones which are not there in the white list.....







### Prison Jammer STN-PRISON JAM

STN-PRISON JAM is specially developed for prisons. Each unit can jam up to six frequency bands simultaneously

#### Few Features of Stratign's Prison Jammer:-

- Special Waterproof and dustproof, IP65. And metal Aluminum housing for all weather protection.
- Each frequency module can be separately controlled, or work simultaneously.
- Power Adjustment by DIP Switch on the jamming modules.
- UPS and battery backup in case of mains power failure....







# Vehicle Mounted Jamming System

Stratign has developed a vehicle mountable 15 band signal jammer which can effectively operate up to a range of about 30m-300m radius. The product can be easily mounted inside a vehicle with roof mounted antennas and can operate while on the move.

Few Features of Stratign's Intelligent Jammer:-

- Designed with ultra-broadband frequency bands, 20-6000MHz
- Very effective against most common RF signals.
- Operators can select the working frequency bands and output power of each module through the system software
- Integrated smart active cooling system allows for continuous operation of the system
- System can operate from either battery or generator system.....









### Satellite Jammers

Stratign's Satellite Jammers are used to jam VSAT terminals located in enemy area near the border and prevent satellite connectivity on C and Ku Band.

Few Features of Stratign's Satellite Jammers:-

- Jamming of satellite TV channels on DTH in Ku band which propagate malicious content to incite the local population in particular area.
- Prevent reception of free to air TV channels using C band which can carry false propaganda to create unrest.
- Capable of Jamming any downlink satellite link in C/Ku/Ka and X band within a specified area.
- Capable of jamming 2/4 /8 / 12/ 16 simultaneous frequencies.





# COMMUNICATION SECURITY (COMSEC)



# Communication Security Solutions Of Global Mobile Personal Communication Satellites (GMPCS)

GMPCS is a personal communication system providing transnational, regional or global coverage from a constellation of satellites accessible with small and easily transportable terminals. Major GMPCS service providers include Inmarsat, Iridium, Thuraya etc,. Generally all the service providers offer Voice, SMS and Data services.

The STN-XX-1200 and 1400 are modular plug-in devices have been designed to provide voice, fax and data security for wired and wireless telephones. These modules can also be used to secure calls between satellite phones, or satellite phones and landline phones.









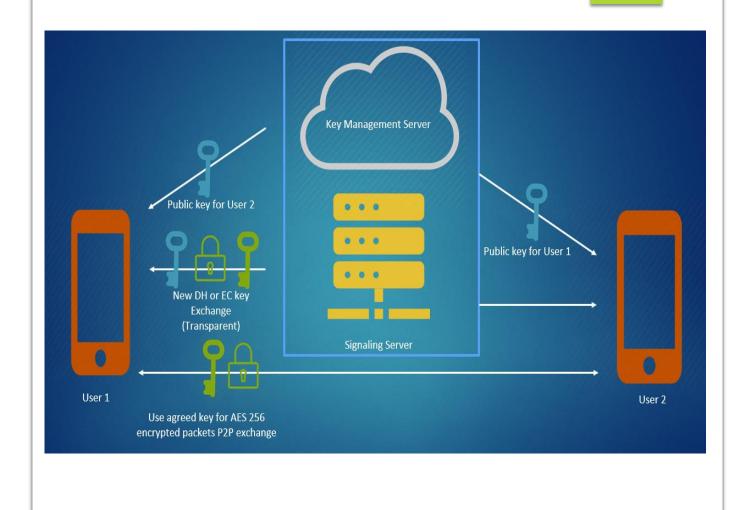




### In-built Secure, Customercontrolled Smartphone with Military-grade Encryption STN-ISG3G

#### Few Features of Stratign's STN-ISG3G:-

- Fully secure duplex communication using cellphone data services.
- Point-to-point Encrypted Voice Calls with HD audio.
- Encrypted Text Messages.
- High level encryption for mobile conversations with a 256-bit AES Encryption, RSA for Key Generation and Diffie-Hellman 4096 for key exchange
- Key Management Server and Signaling Server can be deployed at user premises for enhanced security (Optional)......







# STRATIGN'S SPECIAL PRODUCTS



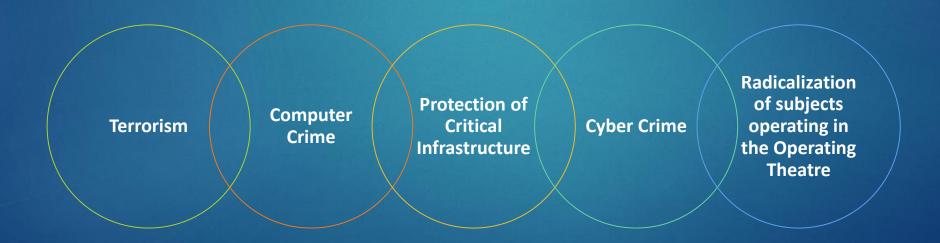
## OSINT

OSINT is primarily used in National Security, Law Enforcement, and Business Intelligence functions.

OSINT is of much value to Analysts who use Non-Sensitive Intelligence in answering classified, unclassified, or intelligence requirements across the previous intelligence disciplines.

OSINT is distinguished from research in that it applies the process of intelligence to create tailored knowledge supportive of a specific decision by a specific individual or group.

**STRATIGN "WEB Collector" Platform** for the Collection and Analysis of Data retrieved from Open Sources and Social Networks through "undercoverage" activities







# Voice Forensics System VPA (Voice Print Analysis)

**Stratign's Voice Print Analysis (VPA)** is a speech analysis system intended for use by any law enforcement and intelligence agency. VPA is capable of analyzing audio files for Speech/Non-speech detection, Language identification and Speaker identification. The Stratign's VPA concept is based on Client/server architecture and is language agnostic.

#### **Features:**-

- Speaker Identification in signal under analysis from the database of speaker voice samples.
- Multiple language identification from a known database of languages.
- Easy addition of languages and speakers.
- Keyword spotting.
- Gender detection.





#### Face Recognition System

Facial Recognition involves use of biometric software application capable of uniquely identifying or verifying a person by comparing and analyzing patterns based on the persons facial contours. Facial recognition is mostly used for security purpose though there is an increasing interest in its other areas of use .It can be used for everything from surveillance to marketing.

STRATIGN has developed worlds fastest and most accurate face recognition algorithms recognized by experts and proved by customers.

#### Stratign Facial Bio-Metrics Forte



**Face Recognition** 



Accuracy – 99%



Old - Young



**Gender Recognition** Accuracy – 97%



Occlusion



Unique Visitor Count Accuracy – 98%



Head turns



Age Recognition Accuracy – 95%



**Emotions** 



Probability of detecting a person in a video stream – 98 %

Quick Search time

in a database of

500 million images



Glasses





### Cyber Defense Solutions

Cyber

Threat/

**Vulnerability** 

**Analysis** 

Stratign's Cyber Security Defense Services offer a complete solution with a suite of Detection, Protection, and Investigation capabilities in order to Protect Sensitive Information as well as to Safeguard Assets.

Our Practical Solutions are tailor-made to meet the specific needs of your Industry/Business.

Stratign's cutting-edge solutions help you to tackle even the most complex tasks.

**Advanced Threat Protection** Intrusion **Detection** and Response **Data Loss** Network Prevention Security Incident Cyber **Handling** Counterand **Intelligence** Response **Services** Computer Network and **Defense** Consulting



### SMS Broadcasting System







#### Crypt Analysis System

Crypt Analysis is used to defeat cryptographic security systems and gain access to the contents of encrypted messages, even if the cryptographic key is unknown. The aim of Crypt Analysis is to obtain the plain message from the intercepted cipher text.

Stratign has been indigenously developing and implementing crypto algorithms, tailor made according to various customer requirements for the past 16 years. Over the past many years, we have worked with various Govt. and Intelligence agencies worldwide in the field of Communication Intelligence, Signal Analysis and Processing.

The experience and knowledge gained over this period is unparalleled. Stratign has successfully broken crypto algorithms used in communication networks like GSM, Thuraya, Iridium, INMARSAT etc. Special Algorithms like DES has been broken by Stratign. These developments have been converted into successful products and are being successfully used by various Govt. Intelligence agencies worldwide.



#### Search & Rescue

Quick response time, precision coordinates and extreme reliability are critical components for Search and Rescue Missions.

With our expertise in GSM communication networks, Stratign has designed a comprehensive and customized solution STN-SAR for Search and Rescue operations even in the most remote terrain and demanding weather conditions

The system uses advanced GSM tracking technology in order to locate the signal transmitted by mobile phones. It has been created specifically for search and rescue agencies that frequently operate in extreme environmental conditions. Solid construction of the system guarantees large degree of shock resistance and waterproof shell protects it from adverse weather conditions such as rain, ash or excess humidity.

STN-SAR offers two modes - Random interception mode and Target mode.



#### Data Diodes

As is normal in commercial markets, competition arise and along with it some confusions about what a data diode is, how it works and what distinguishes one from another. The fundamental difference between Stratign products and others is the **one-way design** implemented from the ground up, true single box format, exclusive use of intentional one-way techniques (not disabled or broken two-way methods), hardware-based solution, very high reliability, super low latency and very long expected life span (11+ years).

The design of the Stratign data diodes is carefully considered to ensure everything was designed to defend against cyberattack and provide a robust and reliable data transfer mechanism. The various attributes provide more details on how Stratign Data Diodes differ from competing products and why they offer a better value proposition.

#### **Properties**

- One-way by Design
- Secure Communication
- Physically Secured
- Complete Separation of Source and Destination Networks
- Unmatched Performance
- Unparalleled Scalability

- Multi-Function Solutions
- Long-Lasting and Durable
- Fast and Easy Deployment
- Multiple Form Factors
  - Exclusive single box solutions
  - Rack mounted Solutions
  - PCIe Card Kit solutions





#### Training

### Network Security Training

This Course is targeted for Network Server Admin., System Admin., Application Developers and IT Security Officers. Our training programs are designed considering the latest challenges faced by governments, intelligence agencies, law enforcement agencies etc. Our unique insights into the critical topics within the security, intelligence and risk management space are codified into our knowledge products. Our delivery methodology ensures skills transfer

### International warfare/Cyber warfare

This is an integrated course aimed at providing the most comprehensive knowledge and hands-on skills in the 'Cyber Offensive Security covering Cyber Warfare & Cyber Security' providing an opportunity to equip the 'Would be Cyber Warriors, Offensive Security Engineers, Information Dominance Group Officers, IT System Administrators & Information Security Officers to understand the security concerns, vulnerabilities, attacks and to plan and implement the desired Cyber Offensive Plans.

### Network Analysis Training

Stratign provides cuttingedge Network Analysis Training and Software's for various types of networks, thereby, providing clients with the ability and confidence to meet the challenges of tomorrow's technology. Keeping pace with the industry trends, we offer professional tools that support the simulation of the latest standards, protocols, software, and hardware for both wired and wireless networks.

### Crypto Analysis Training

Stratign's Crypt Analysis
training introduces
professionals and students to
the fields of cryptography to
gain access to the contents of
encrypted messages. The
participants will get in-depth
knowledge of the algorithms
and other significant concepts,
as well as hands-on experience
in using Cryptanalysis System.



# Electronic Intelligence (ELINT)



### Satellite Geo-Location System

Stratign's Satellite Geolocation System helps spectrum managers and intelligence agencies in fully passive detection and geolocation, of rogue satellite terminals and manage the unauthorized operation of earth station terminals deployed within their territory.

Few Features of Stratign's Satellite Geo-Location System:-

- ➤ 100% passive Geo-location solution as it does not require own Transmitter for Reference, unlike other Geo-location Systems.
- Perfect Intelligence Capability, if conducting Geolocation on a Neighboring Country Satellite Terminals, it is difficult to install a Transmitting terminal for reference in their region/or on their satellite.
- Unlike other products who provide Geo Location of a Single Target, Stratign Geo Location System is capable of handling and Geo Locating Multiple Targets at the same time.
- Multi Target Geo location, designed by Stratign, provides a location accuracy within a Few Kilometers. Other Providers are generally providing an accuracy of 15 kms and above......





# Portable / Hand Held Direction Finding System

Stratign's Portable / Hand Held Direction Finding System is intended for the government agencies and law enforcement groups to covertly find the direction of the target phone for homing-on to the user and capturing him/her. The system works in tandem with Stratign's IMSI catcher

Few Features of Stratign's Portable / Hand Held Direction Finding System:-

- > The system cannot be detected by the service provider or the target phone.
- Can be integrated with smart phones to indicate the direction of the target.
- Can work in conjunction with Stratign's IMSI catcher.
- Easy to operate.







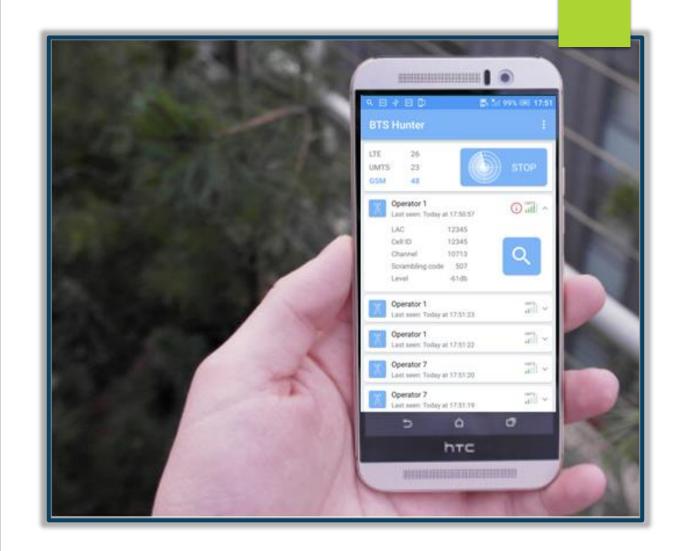


#### BTS Hunter

Stratign's BTS Hunter is designed to detect and locate "fake" cellular networks such as IMISI Catchers and Cellular Intercept Monitoring Systems. It can alert the users on possible interception and tracking.

#### Few Features of Stratign's BTS Hunter System:-

- Fully passive scanning of network environment.
- Real-time analysis of surrounding GSM, UMTS and LTE networks.
- > Built-in cell search capability, allowing to locate any cellular network transmitter.
- Intelligent algorithm for detecting a presence of suspicious network activity using more than 75 parameters......







## Radar Warning Receivers (RWR)

Radar warning receiver (RWR) systems detect the radio emissions of radar systems. Their primary purpose is to issue a warning when a radar signal that might be a threat (such as a fighter jet's fire control radar or an artillery gun locator radar) is detected. The warning can then be used, manually or automatically, to evade the detected threat. RWR systems can be installed in all kind of airborne, seabased, and ground-based platforms.

Few Features of Stratign's RWR System:-

- > 100% Probability of Intercept.
- Instantaneous DF over 360°.
- Accurate 2 x 4 element monopulse DF
- 2-18 GHz Instantaneous RF Coverage with AOA on every pulse....







# Electronic Support Measures (ESM)

Electronic Intelligence (ELINT) is related to the interception and analysis of non-communication signals, i.e. Radar signals from surveillance, fire-control or missile guidance radars. The processing involved consists of three stages in series, starting with sorting of the radar pulses as they come in, then segregation of the pulse trains and finally identification of the emitters.

#### Few Features of Stratign's ELINT System:-

- Supports all radars operating in the frequency range of 500 MHz to 18 GHz (Optional upto 40 GHz).
- Instantaneous Bandwidth of 500 MHz.
- High Probability of Intercept (POI) due to use of dual receivers.
- Spin, Scan and Stare modes of operation
- Real-time I/Q data transfer via 2x 10 Gigabit optical fibre links to server for processing......

