



MAKSAT



20

LINKING TECHNOLOGY TO IMAGINATION



Celebrating 20 years of Excellence

ABOUT US

Established in the year 2000 with a small team of young entrepreneurs, we are now a leader in broadband wireless equipment manufacturing and solutions. Today, we offer robust, cost-effective, and scalable solutions for carrier-class networks in India and abroad.

Being a leading player in the industry, we have earned industry recognition for our distinctive open network approach that grants our global ecosystem of customers and partners flexibility to deploy solutions that fit their current and future needs.

While offering state-of-the-art services, our products compete with international brands' products in the industry and are better placed in terms of flexibility of tailor-made customizations as per the clients' requirements. Our products cover over 50% of the total market share of the Telco industry RF links total market requirements.

Along with the telecommunication sector, we also specialize in a range of managed services network operation, maintenance, and system integration to provide optimum services at cutting edge costs. Our expert and efficient network professionals can support designing, building, operating, and managing day-to-day network operations.

We also offer a wide range of wireless surveillance networks solution, smart street lighting solutions, expanding rural connectivity by providing village Wi-Fi solutions, smart city network design, and deployment.

With 21 years of expertise in research, development, design, and development, we offer next-generation broadband wireless access solutions for outdoor and specialized indoor applications that made completing 20+ major projects possible. Our software capabilities have enriched the solutions at a price-performance that few can match.

We have a strong in-house research and development team, with expertise in developing cutting-edge technology solutions, based on customer's requirements. We can customize our products as per growing needs of bandwidth-hungry network applications, plus our in house expert and experienced technical implementation and support team can deploy links at the most difficult of terrains with zero error possibilities and effectiveness, giving us an advantage thus that no one in the industry can match.

Through Network Managed Services, we can take full responsibility for networks, including planning, design and implementation, day-to-day operations and maintenance, management of end-customer problems escalated from your customer care function, corrective and preventive field maintenance, optimization of systems and services to ensure performance is maintained at agreed quality levels, management of network changes, installation and upgrades of equipment. The service is controlled by a Service Level Agreement (SLA) based on performance indicators. We focus on improving operational efficiency, network quality, and asset utilization, helping you to improve profitability and customer experience.

We are committed to delivering products with advanced technologies and services that customers and partners can build on and grow with. Through constant innovation, Maksat is pushing the boundaries of wireless networking. Maksat is today a self-sustained and debt-free company, with concrete assets value of thousands of happy clients worldwide.

We are aiming at linking technology to the imagination.



TELCO WIRELESS



DEFENCE WIRELESS



WIRELESS BROADBAND



SMART CITY SOLUTIONS

ACHIEVEMENTS

We already cater to one of the biggest and major firms -Telco Bharti Airtel, end-to-end managed services and manpower is provided pan-India for the deployment of new links and operation and management (O&M) successfully. Our in-house expertise in installation and maintenance allows us to produce a skilled and professional workforce for managed services.

We have deployed the highest number of Access Points in India for the Digital India village Wi-Fi scheme of the Government of India. We have installed over 120,000 Access Points across India covering over 30,000 villages resulting in 11,520,000+ pan-India Maksat users.

Maksat has deployed more than 65,000 RF Microwave links and Base Stations and more than 30,000 Wi-Fi deployments all over India, Middle East, Africa, Europe and US.

We have deployed Wi-Fi at critical locations in **USA** and provide Surveillance & Wi-Fi to Newark Police, Crystal City and Washington Airport. We also deployed **LED Street Light Solution in LA.**

We also focus on the Smart City solutions. Our latest addition to the family is the Smart Street Lighting solution that has been awarded as **“Best Vision of the Future (Smart City) for Intelli-Platform Integrated Street lights”** in CES 2018.

We are specialized in providing Wi-Fi solutions and very proud to say that **“Best Make in India Wi-Fi company”** Award was won by Maksat Technologies at **My India Wi-Fi India Summit & Awards 2019.**

For catering the Indian Army's special Requirements Maksat's untiring Research and development team, took the challenge to develop, the first in the world digital microwave radio equipment operating on special frequencies, i.e. 4.7 GHz to 6.1 GHz, to avoid any possibility of disturbance or jamming in the frequencies.

Multiple projects for the Indian Army's Northern and Southern Commands are also implemented by us at most difficult of terrain available on the planet, with most challenging weather conditions, in Jammu and Kashmir region, we had developed a series of custom made rugged and durable equipment range, in order to serve Indian army's communication requirements with most updated technologies and most rugged and reliable hardware quality.

Our clients include almost all Telco's in India (like Airtel, Aircel, and HCL), Public sector organizations, Governments organizations (PGCIL, IOCL), Defence Forces, and Multinational companies like G.E, TCS, Hewlett Packard, HCL, Mitsubishi electric, and Dubai petroleum, We had deployed and are maintaining over 1000 links for Bharti Airtel Ltd, and have supplied over 1500 radios to HCL.

We developed the only in world Metro Train Diagnostic Info Access solution based on wireless for Mitsubishi Electric to be deployed at Delhi Metro. Maksat's quality grade equipment is deployed at trains and platforms to implement a remote wireless data downloading system (Train fault data) of Metro Trains.

Over 150,000 end user units deployed through carriers, ISPs, government, and private network operators across globe.

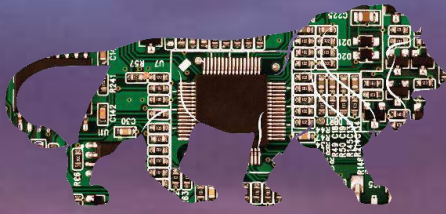
We have also deployed India's largest Rural Wireless network for Bajaj Hindustan Ltd spanning an area spreading 1200 Km & connecting locations on wireless links, these links also include India's longest Point to point link of 76 km.

We were awarded the contract for Deploying SWAN (State Wide Area Network) network for the state of Himachal Pradesh, connecting about 1000 remote Locations together on wireless links.

We have gained competency in the field of wireless solutions and established our name in the industry. We have long and stable relationships with top leaders in Telco Networks, from Wipro to Infosys, Airtel to Tata and many more. We have also done many international projects.

Over these 20 years, our hard & smart work, innovative ideas, positive attitude towards growth and our worldwide happy clientele have led us to where we are today. We will surely keep us moving forward and striving for excellence





20 years of Maksat



DEFENCE WIRELESS

Customized Defence Solution. Mission-critical communications for a wide variety of permanent and deployable tactical radio relay applications. Robust, reliable and flexible solution for a range of voice and data applications. The Military grade design frequency hopping and frequency Agile capabilities aims at delivering excellent technical performance even in harshest climates and difficult terrain.



TELCO WIRELESS

Telco grade Equipment's for enterprise network better, faster and deeper coverage. Our equipment are integral parts of modern day networks and are also being used in new age solution for last mile connectivity.



WIFI 6 PUBLIC HOTSPOTS

Our Public Hotspot solutions for both urban and rural applications with open approach PMWANI compliant devices eco system that is expandable and useable to all. With WIFI 6 AX devices throughputs Upto 1.8 Gbps and higher performance providing you with high speed connectivity



20 years of Make In India

SMART CITY SOLUTIONS

Smart technology integration and delivery for Smart city solutions, surveillance, lighting, Wi-Fi hotspot, Communication, environmental sensors, Public addressal systems, ANPR, VMS, solutions optimized for the individual requirements,



RURAL WI-FI

Connected over 30,000 villages across India using Maksat products and installed 120,000+ Wi-Fi AP for Urban / Rural Internet Connectivity. solar powered solutions for uninterrupted backup solution for wireless network during conventional power failures and even as standalone power solution for non-grid availability areas.



MANAGED SERVICES

Operation and maintenance of telecom and state networks PAN India with on field technical manpower of over 1500 employees, peace of mind completed network management and monitoring solutions..



2000



Greatest of Ideas are often the simplest in nature and as they say mostly big things often have small beginning,

It was year 2000, or the year 2K as it was referred then. Commercial Wireless Communication was still in evolving stages and long distance wireless communication for sharing voice video data etc. was heard upon more as a science fiction plot rather than a reality.

A New Idea was born, a goal was set, and a vision was followed by a group of young entrepreneurs who joined hand to achieve their goals in the field of wireless communication and networks.



Maksat was established by a group of like minded young entrepreneurs, with a common goal and unique strengths, they assembled together forming a small yet untiring core team dedicatedly and endlessly working for provide the necessary pre-launch thrust that was required.

We announced ourselves with a bang and continued to stun our competitions and clients with future proof advance cutting edge technology solutions and resolution to the most difficult of network problems with simple and reliable technical solutions.

The ingredients of our organizational culture were ethics and values of client satisfaction through excellence in research and innovations. Though we made a humble start yet we set high goals for ourselves and roadmaps to keep achieving then and striving for excellence .

A silhouette of a person standing on a cliff with arms raised in triumph against a sunset sky. The person is positioned on the right side of the frame, with their arms raised high. The background is a bright, orange and yellow sunset sky, and the foreground is a dark, rocky cliff. The overall mood is one of achievement and success.

2001

Maksat management had the vision to invest their time and resources in Research & Development, which started laying initial dividends very early. R&D team developed India's first wireless radio device with router capabilities. The star called Maksat VOZLINK was born, it dominated the Industry for years to come. We provides links for G.E Plastic, Aurthur Anderson, TCS .

Connecting service provider GTL from Delhi to Gurgaon and Noida covering a distance of 22-25 Km.

2002

Maksat's Untiring Sales Team hits its Initial Success in Public and Corporate sector by grabbing prestigious clients like Ministry of Home Affairs, Indian Oil corporation , IBP, power grid corporation of India, to name a few.

For Indian Oil Corporation Connected multiple RTU's across India.

Developed special product for Power grid to connect RTU's. The Radio unit offered had option of multiple interfaces like E1, Ethernet, RS232/422.

2003

Maksat management expanded its business portfolio by launching new products like ZemLink Mak Universal Router which was the most flexible router available in the router market. The USP was its universal nature of being able to support 6 different data transfer environments and extremely competitive price.

Bajaj Hindustan (India's Largest Wireless Network)

Bajaj Hindustan Network deployed in 2005, Spread Over 1300 + Kilometres over 100 + nodes in 1+1 PTP topology Over a distance of 500m to 75km in a single HOP Operating at both 2.4 and 5.8ghz, It was the Single largest wireless broadband private network in India (Business Standard) at the time of completion.



2004

The R&D; Labs of Maksat Launches New Wireless Communication Products from 1.4 GHz to 37 GHz frequency range. - MakAstra - MakFloX - MakBis & Vozlink Micro -- Maksat's fixed line product MakSirius offers innovation in the field of Internet distribution on telephone line through its ISDN over DSL technology, enabling telephone conversation and internet on the same copper line simultaneously.

Maksat's wide range of products like Vozlink, MakAstra, MakFloX, MakBis and MakInfra offers Wireless solutions from 1.4 GHz to 37 GHz frequency range.



2005



BCM Balarampur Chini Mills

Intra campus connectivity over point to point and point to multi point links for local ERP and internet data

Mawana sugar Mills

Point to point links for WAN connectivity at various locations

POWERGRID

Connected multiple RTU's across India. Developed special product for Power grid to connect RTU's. The Radio unit offered had option of multiple interfaces like E1, Ethernet, and RS232/422

2006



Indian Oil Corporation Limited

Connected multiple IOCL offices across India, Wireless network system successfully serves in oil refineries of a Major Oil company in India. Our MMS equipment is deployed to connect the IBP and Indian Oil refineries located in different part of the country. These sites include Mathura, Panipat, Lucknow, Kolkata, Manesar, Ahmadabad and Surat.



TITAWI SUGAR Mills

Supplied and installed Point to point and point to multi point links for WAN network connecting various sugar mills in rural areas.



Dubai Petroleum

Twenty eight Point to Point Wireless long distance links connecting RIGS to Shore or RIGS to RIGS over SEA. 5 GHz operating network for better reliable and stable long range network, rugged industrial grade hardware design for deployment at critical oil rigs locations.

Future proof and secured deployment to avoid any damage due to humidity, temperatures or winds with IP 67 weatherproof industrial grade enclosures and cables for reliable network highly secured Radio equipment support WPA and WPA2 encryption with AES.



2007



Himachal State wide area network

The Project is aimed at providing HIMSWAN link to Government Offices and Integrated Community Service Centres at State, District, Sub-Divisional, Tehsil and Block headquarters in Himachal Pradesh. There will also be adequate bandwidth provision to meet the increasing demands of data, voice and video transmission. HIMSWAN will connect state departments to Sub Division/Tehsil/Block headquarters and Sub Division/Tehsil/Block headquarters to respective District headquarter and District headquarters to State head-quarter at Shimla. Some of the major issues in HIMSWAN initiative in the state are Infrastructural inadequacies

Bandwidth: Even where there is telecom connectivity, the available bandwidth is not enough for connectivity for E-governance projects.

Time frame: The time required to set up leased line/cable networks is usually measured in months and years for far-flung areas in Himachal.

Costs: The use of traditional methods to provide connectivity - wires and cables (either hanging on poles or underground), is expensive because of labour and material costs.

Geography: Given the long distances and the difficult terrain of Himachal Pradesh, Wire-line connectivity is impractical for most of the locations.

The BTS/CPE solution offers advanced technology and collaboration services.

Maksat BTS is pre Wi-max Technology with the features like XR of -105 dBm (best in the industry), Watchdog timer, Bandwidth management tool and inbuilt router with operational temperature of -40oC to +80oC.

Bandwidth: Our radios can provide connectivity at the Broadband speeds, three times more than the requirement of the client.

Time: It is very easy and fast to set up Wireless links. It takes just 2-3 hours to add a new location, as there is only one end installation and BTS is already working.

Costs: Besides saving on labour and material costs, Maksat's Radio links also save on recurring costs of leased lines as they work on the free ISM Band of 2.4GHz band.

Geography (Terrain) - Using OFDM technology (Orthogonal Frequency Division Multiplexing), we can offer Radio links which can work on NLOS (Near Line of Sight). OFDM uses a composite of narrow channel bands to enhance its performance in high frequency bands (such as 2.x/5.x GHz) in urban and rural applications where mountain's, building-clutter and foliage can negatively impact the propagation of radio waves.

Distances – A point to Point link installed by us has been working satisfactorily over 15-20 Km.

Wireless connectivity of different departments to local POP and Shimla, made it possible to avoid the delay in receiving data on time. The Directorates Officer can take fast decisions and receive day to day updates without compromising on the security and down time.



Aircan

Affinet is a pre-installed LAN network of defense, Maksat wireless equipment's extends same network to remote users on wireless radio. Maksat network is based on BTS CPE configuration, BTS is installed at the central location and CPE is installed at the remote locations. Devices are operable at multiple frequency.



Air force Campus area network across all 72 Air Base HQ (Air CAN)

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Part of AFNET, covers all 74 AIRBASES

- BTS-CPE topology
- Patent pending 4.7-6.1ghz wide frequency range
- 300 BTS and 1200 CPE
- Delivered and deployed across India (72 air bases) in record time of less than 9 months

Digital Microwave Radio Relay (DMRR for IAF) & defense Communication Project Deployment

- Integrator BEL
- Patent pending 4.7-6.1ghz wide frequency range
- 1+1 hot-standby with less than 1 second switchover
- More than 300 sets delivered since 2008

The Maksat Products are reliable, easy to install, and has a high MTBF and low MTTR. The Military grade design frequency hopping and frequency Agilent capabilities aims at delivering excellent technical performance with proven deployments worldwide. Optimized for performance in harsh climates and difficult terrain and customized for support to legacy analogue, serial data used for mission-critical wireless communications by defense services throughout the world, chosen because it provides a robust, reliable, easily deployed flexible solution for a range of voice and data applications. Mission-critical communications networks rapidly established for a wide variety of both permanent and deployable tactical radio relay applications.





2008



DMRC Delhi Metro Rail Corporation

Train information management system

This project was with MEMCO for Train Diagnostics for Delhi Metro Rail Corporation- Connectivity between train and control room (Depot).

Complete Depot Wi-Fi on Maksat Windmax, Person sitting in control room can have real time access to TIMS (Train integrated management System) data. We designed Diagnostic system for detecting faults using primitive maintenance solution



Similarly, the Mundka depot will have Wi fi boxes as stated in the technical Bill of Material for data transfer inside the depot area including stabling line, Inspection bay line, workshop area, test track, pit wheel lathe area and the Administrative Block. Similarly on Line 6 , Terminal stations at Central Secretariat and Badarpur will have Wi Fi zones so as to do data transfer wirelessly from the TIMS unit of trains stationed in respective terminal stations. Each terminal station will have at least three Wi fi mesh boxes, depending upon the feasibility and architecture of the terminal station. Similarly, the Sarita Vihar depot will have Wi fi boxes as stated in the technical Bill of Material for data transfer inside the depot area including stabling line, Inspection bay line, workshop area, test track, pit wheel lathe area and the Administrative Block depending on the site survey conducted once the site is ready. As per discussions, DMRC will provide 2 * E1 (4 Mbps) connectivity at the respective communication room. Special converters for termination of electrical circuit will be provided by Maksat.

These converters will give Ethernet delivery which is further integrated with the Cisco switch provided by Maksat.

1. On line 5 – Six units of RICi 4E1 converters will be provided. (One at each terminal station and three at Depot).
2. On line 6 - Four units of RICi 4E1 converters will be provided. (One at each terminal station and two at Depot).

At terminal stations the Wi Fi box / boxes will be required to be connected to the Cisco Switch placed in the communication room.

Wi fi equipment will be placed by Maksat at depot and terminal stations to provide wireless access to the maintenance terminals (laptops) for downloading the data from TIMS. Maksat will do necessary structured cabling to connect Wi Fi box to switch placed in the communication room. Necessary access points will be placed near the specified admin block for providing coverage to the maintenance terminals (laptops). The TIMS placed in the train unit will communicate with the Indoor Unit over Ethernet (RJ 45) port. One Access Point will be placed near the head end of each terminal station such that when a train arrives the corresponding IDU is very close to the respective Access Point. Hence two Outdoor Access Points will communicate with the IDUs placed in the trains on each track respectively.

2009



MADHYA PRADESH STATE WIDE AREA NETWORK

MPSWAN is being implemented to provide connectivity up to Districts and Block level having a converged network with an integration of Voice, Data and Video services. The Network will help to the respective department of Govt of MP to use MPSWAN as a common infrastructure for integrating their offices thus help in effective means of communication. This will improve the means of communication in the State Admin and also bring Govt closer to public, which will certainly help in effective administration & reduction in cost. Presently, entire SWAN network is managed by the MPSeDC team and FMS Team (Network Operator) also involved for end level support. This team gives better response time to your complaints and ensures higher accountability at our part.

It is a Madhya Pradesh Govt. project to provide a Network which connects all the State Level Govt. Organizations to the Village Level. The Project Initiated in March 2013 and Spans around 30,000 sites to be deployed in a period of 3 years. More than 10,000 surveys completed till date and More than 3500 CPE and 820 BTS deployed across MP till date.

Vertical segment of SWAN includes PoP locations spread across the State. These PoP are classified as:

SHQ PoP . DHQ PoP . BHQ PoP



2010

DMRR

The network defence wanted to get communication between two vehicles over a distance of about 30 kms, Radio system had to be mounted on pneumatic mast, a redundant link was required with two different radio interface in each radio , and different sort of antennas depending on their operating frequencies, i.e. both the radio are capable of operating on different frequencies, it is a hot standby link with different operating frequencies In second phase of the project requirement was that of extending the connectivity of the pre existing and pre installed LAN network called AFFINET , the network had to be extended to the remote end users over wireless over 20 km distance.

Maksat's untiring Research and development team, took the challenge to develop , the first in the world digital microwave radio equipment's operating on special frequencies, i.e. 4.7 GHz to 4.9 GHz and 4.9 GHz to 6.1 GHz , to avoid any possibility of disturbance or jamming in the frequencies The system has been conceptualized to provide broadband wireless connectivity to defence detachments located within 15 to 20 km away , with their base stations. It involves deployment of high capacity microwave digital radio on defence vehicles using pneumatic collapsible masts , the concept of the network is based on point to point topology the operating frequency of the radio is as per authorized allocation made to defence by wireless planning cell , ministry of communication. The communication links established between vehicles Provide 54 mbps air rates , and long range of distance Upto 20 kms (los) . Requirement of Redundancy of links ,and high security features was also important The biggest challenge was developing the prototype , experimenting with auto switching , and above all the time consumed in the entire research, Once the electronics and software part was in place it was time for the enclosure and accessories , the real success was based on the simple fact that, it had to withstand the acute weather and climatic condition .The high rising temperatures Upto 80 deg ,and dipping variations to -40 deg , it was to be completely Ruggedized , weatherproof and military grade , to encounter the harsh conditions where the defence detachments are located.



Solution

Phase one – point to point deployment

This network is for defence base areas ,it is a communication between two vehicles with a maximum distance range of about 30 Kms. Vehicles are mounted with pneumatic masts capable of motor tracking systems. Two equipment's are installed on each vehicle one with a dish antenna and one with a parabolic grid antennae . Equipment are capable of operating at multiple frequency each equipment has two interfaces , each capable of operating at diff frequency

Phase two – point to multi point deployment

Affinet is a pre installed LAN network of defence , Maksat wireless equipment's extends same network t remote users on wireless microwave broad band radio. Maksat network is based on BTS CPE configuration ,BTS is installed at the central location and CPE is installed at the remote locations the maximum distance is between BTS and CPE is 20 km. CPE's are operable at multiple frequency



Maha Kumbh Mela Surveillance Haridwar & Rishikesh

Uttarakhand Police was planning to employ video surveillance system in Rishikesh including Muni ki reti, Lakshman Jhula and Neel Kantha Mahadev. All the video camera was to be put to use in out door. Three types of video cameras were to be used for this propose namely, fixed video Camera, high resolution Fixed video camera with optical and digital zoom facility.

The video signals from cameras were to be transmitted to base stations situated at Muni Ki Reti and Kotwali Rishikesh. Further, these base stations were to be connected by wireless to main control situated at Haridwar Kumbh Mela Control Room. Seeing the topology of the terrain and difficulties in maintenance, requirement was of a highly reliability, faulty redundant, tamperproof wireless based data, voice and video communication network almost immune to jamming.



The biggest challenge in this project was, high amount of bandwidth required for carrying live video, images and data, Further the terrain is one of the most difficult one, with high altitude, Hilly terrain, high wind flowing tendency, and heavy rain and moisture tendency, Plus the security was an uncompromisable factor as the entire surveillance was to be designed for Police, and as per the requirement network had to be Jammers and disturbance proof, arrangement of power at mountain peaks and river bridges was itself a mind twister, Being such a high density crowd area ,all the equipment's installed had to be tamperproof otherwise the whole purpose of deploying them would have gone wrong For catering and surveillance of huge gathering of over 10 million people at holy sites. 50 nodes with high end cameras across Haridwar and Rishikesh in PTP and PTMP architecture to connect all camera feeds to PCR control room Haridwar.



2011

Project Details:

The Chhattisgarh State Wide Area Network (CG-SWAN) is a very ambitious project to provide the State with a basic information technology backbone which will be utilized for carrying voice, data and voice traffic facilitating interdepartmental communication and data sharing within the State. CG-SWAN will be a safe, fast, reliable and cost effective network connecting all the 146 blocks of the State through a hybrid network consisting of MPLS leased line, RF and other network technologies. The project will enable instant online interaction among government departments / agencies resulting in obtaining reports on a real time, improving the workflow processes and the pace of decision-making. The project would act as a vehicle for effective implementation of eGovernance projects across the State.

Milestones:

- One of the largest SWAN in India.
- Minimum 6 Mbps connectivity till block level
- Successfully integrated with National Knowledge Network (NKN) at district level
- First SWAN to implement IPv6 (Dual Stack).
- First SWAN to implement MPLS Leased Line Upto block level.

Impact:

- Anywhere-Anytime access to Government Services for citizens
- Availability of government services in cost-effective manner regardless of location
- Prompt communication between citizens and the government
- Better Monitoring and evaluation of Government Schemes with Management Information System (MIS)
- Substantial Reduction in Communication Cost
- Increases the productivity of the government due to reliable vertical and horizontal connectivity



Includes Design Delivery Deployment Operation and Maintenance of entire network

It is a Chhattisgarh Govt. project to provide a Network which connects all the State Level Govt. Organizations to the Village Level.

- Project Initiated in March 2013
- Spans around 1,500 sites to be deployed in a period of 3 years.
- More than 7,000 surveys completed till date
- More than 1000 CPE and 145 BTS deployed across Chhattisgarh till date
- Includes Design Delivery Deployment Operation and Maintenance of entire network **Patna Dial 100**



Bihar Police Patna Dial 100 Network

Bihar Police network for surveillance and security in Patna city, connected over wireless to central control room for live camera feed and surveillance at all city junctions and roads for traffic monitoring and control



2012

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- 300 BTS and 1200 CPE
- Delivered and deployed across India (72 air bases) in record time of less than 9 months

Indian Army Northern Command

Supplied customized military grade rugged equipment point to point high capacity links for northern command in entire Kashmir, Leh and Ladakh region. Operating in harsh temperatures and topology at mission critical locations.



Madhya Pradesh Police

Over 200 sites in 8 major cities, Connected over wireless to central control rooms for live camera feed and surveillance (ANPR)



2013



MAHARASTRA POLICE

Connected multiple sites by High capacity backhaul Point to point 1+1Hotstandby redundant links for Maharashtra police to connect different locations for voice and data.

4G

4G

India was getting ready for its first 4G network and so were we with our new range of products like LTE CPE for backhaul to utilize the full potential of growing 4G network.

LTE CPE changed the dynamics of conventional networks with upgraded capacity bandwidth and substitution of conventional wireless network .

This was a great success in field of surveillance networks where , camera feeds could be fetched over LTE network.



2014

Managed services for Airtel IWAN (J&K & UP)

This was the year we ventured into managed services and were working on Providing end to end managed services to Airtel in J&K and UP From Airtel's backhaul connectivity to Clients personal network Including RF Point to point and point to multipoint equipment supply Line of Sight Feasibility surveys Installation of end to end network devices from Airtel node to clients' network commissioning and Testing



HAPDRP

Dakshin Haryana Bijli Vitran Nigam

An Extension of existing Haryana network over wireless and LAN, end user termination of ISP links and Extension of same to various offices and campuses over LAN and Wireless PTP links.

Haryana state electricity department connectivity had to be established for DHBVN/UHBVN SDO.providing Multiple VLAN for multiple data types.



2015

WiFi Carpet coverage & monitoring & management at PARTNERSHIP SUMMIT 2015 JAIPUR

Seamless Roaming and handshaking between overlapping AP coverage

User can roam from one AP to other without disconnecting

The Security report including all the relevant details like MAC Address, IP, User details etc.

All Wi-Fi Related Equipment's were provided on Rental basis along with Residence Support Team of Maksat

Multiple Authentication Procedure available for Guest & VIP Users: - Individual User ID & Password for all users

Provided a network based on 802.11 b/g/n standards and the authentication was done by using our Blingo Server

Separate user name and password was provided to each individual.

Session details are stored but limited to start and end time, Mac address of the user

Monitoring was possible. Bandwidth Control to all users of a specific AP.

Provided 3000 User ID & password in one go to the organizer

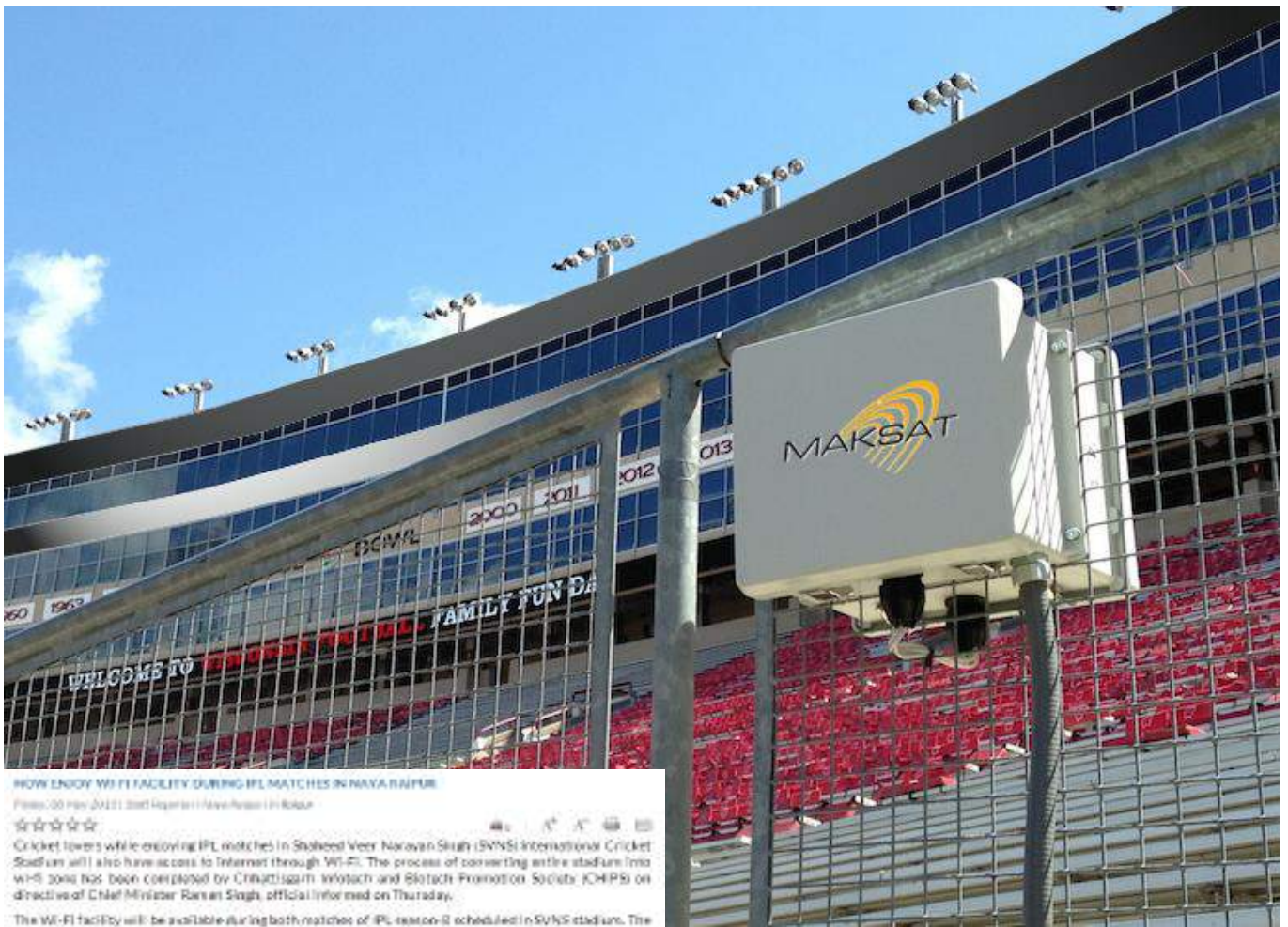
Details session can be captured for all users along with individual user Details

Bandwidth Monitoring & Control can be done

Easy to maintain the data base for Guest & VIP

Multi-level security can be achieved





HOW ENJOY WiFi FACILITY DURING IPL MATCHES IN NAVARAI PUR

Friday, 09 May 2015 12:01 Report | Navarai Pur | Raipur

Cricket lovers while enjoying IPL matches in Shaheed Veer Narayan Singh (SVNS) International Cricket Stadium will also have access to Internet through Wi-Fi. The process of converting entire stadium into Wi-Fi zone has been completed by Chhattisgarh Infotech and Biotech Promotion Society (CHIPS) on directive of Chief Minister Ranvir Singh, official informed on Thursday.

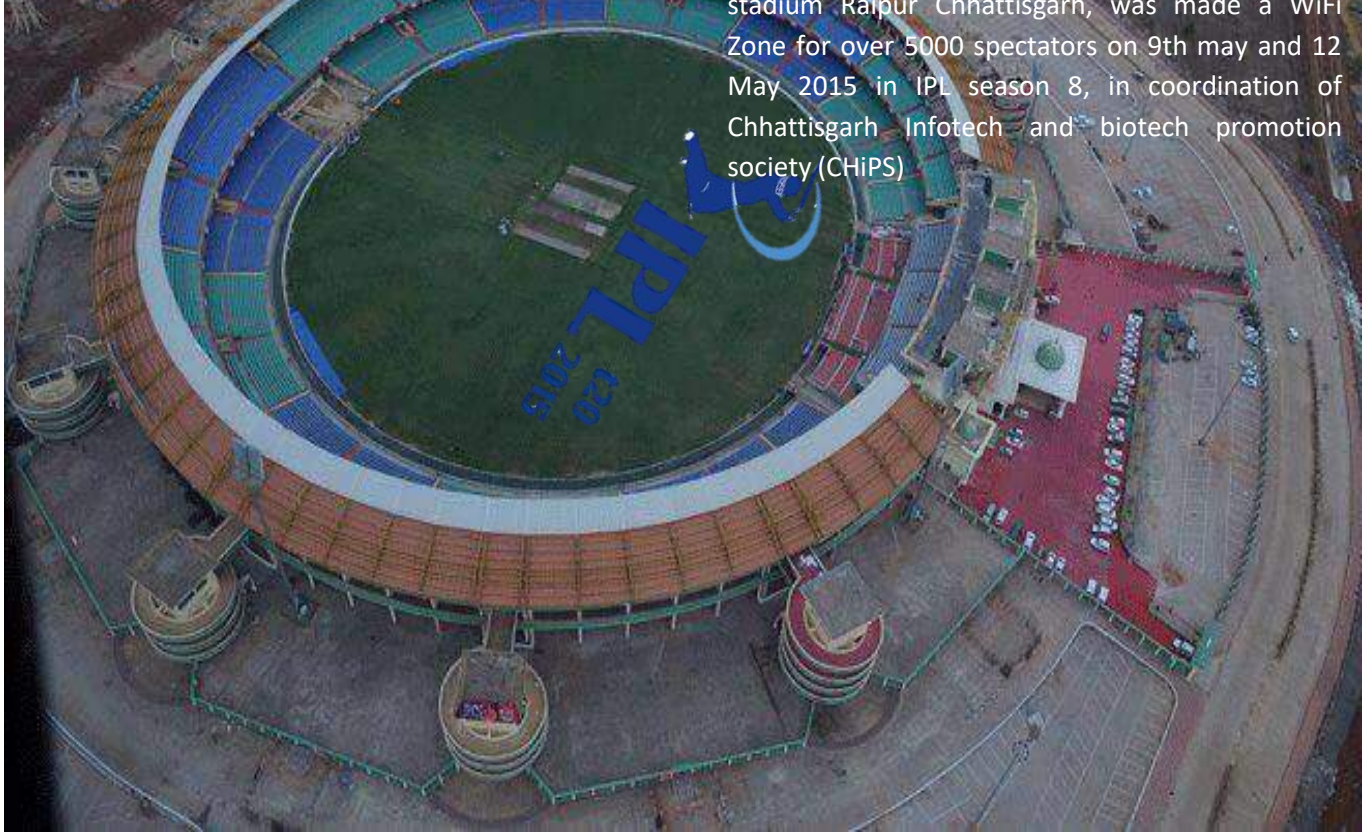
The Wi-Fi facility will be available during both matches of IPL season-8 scheduled in SVNS stadium. The first match will be played on May 9 between Delhi Daredevils and Sunrisers Hyderabad while the second match will be played on May 12 between Chennai Super Kings and Delhi Daredevils. Chief Executive Officer ICSSC CHIPS, Shourabh Kumar informed that during the match 50 Mbps bandwidth frequency will be used for providing Wi-Fi connectivity.

"Through various access points installed in the stadium 5000 spectators will be able to use wi-fi service," he said.

Notably CHIPS has already created Wi-Fi zones in different public places, colleges and university campus. The Indrapati Shiksha and Administrative Academy also have Wi-Fi zones created by CHIPS. In addition to Wi-Fi zones, water coolers have also been installed in the stadium for providing free of cost water to viewers during the matches.

IPL stadium WiFi Raipur

Shaheed Veer Narayan Singh International Cricket stadium Raipur Chhattisgarh, was made a WiFi Zone for over 5000 spectators on 9th may and 12 May 2015 in IPL season 8, in coordination of Chhattisgarh Infotech and biotech promotion society (CHIPS)





IWAN O&M Feasibility and Deployment at 9 circles Pan India

IWAN is an Enterprise of Airtel providing connectivity to Corporate Organizations, Govt. Organizations and Small Scale Companies

Major last mile vendor

More than 10000 units delivered and working since 2008 till date

Product range from high capacity (100mbps+), to BTS-CPE and PTP.

Providing end to end managed services to Airtel across India

From Airtel's backhaul connectivity to Clients personal network

Including RF Point to point and point to multipoint equipment supply

Installation of end to end network devices from Airtel node to clients network

Over 1000+ men force on the field divided in over 400 teams across India.

2016

CSC Wi-Fi E Choupal

Rural Mesh Wi-Fi deployment. Over 30,000 villages across India connected. More than 120,000+ Wi-Fi AP Installed and Go live. Last-mile Urban / Rural Internet Connectivity. Solar Powered for uninterrupted backup solution for wireless network during conventional power failure. Point to point connectivity from BHQ/DHQ location to Gram Panchayat location. With deployment of BTS at Gram Panchayat location for Point to multipoint coverage end users can have seamlessly connectivity to network



Benefits of Rural Deployments

- Only the Faster Deployments solution for TNF (Technically not feasible) locations with low Capex, Low maintenance Higher throughputs, having reliable and optimum connectivity Over 10000 villages across India connected
- Easy upgradability and modification Last-mile Urban / Rural Internet Connectivity
- Web based easy network management
- Can work with both fiber as well as copper backbone connectivity
- Can work with both fiber as well as copper backbone connectivity
- Point to point connectivity from BHQ/DHQ location to Gram Panchayat location
- With deployment of BTS at Gram Panchayat location for Point to multipoint coverage end users can have seamlessly connectivity to network
- After rollout of fiber connectivity, wireless medium can be used as backup or redundant network



2017

SMART POLE & SMART STREET LIGHTNING SOLUTIONS

We designed a new Smart Street light system can act as three in one unit with three module functionalities which can be used for Surveillance, Wi-Fi hotspot data network, environmental sensor data and manageable smart LED lighting requirements. Our smart street light system can be deployed along the streets or lanes, for creating a hotspot mesh network for both data access and remote surveillance. It has a 360 degree PTZ camera that is best suited for surveillance. All the functionalities are fully managed and can be controlled remotely. It also has advanced features like map display interface for marking locations of all lights in a network over digital maps.

The system provides street light monitoring and management, image monitoring and sensing data transmission and other functions. Street light monitoring and management and sensing data collection is the application of Zigbee technology to achieve multi-node low data transmission purposes. Image data transmission is the application of WiFi technology.

ADVANTAGES OVER CONVENTIONAL STREET LIGHTING SOLUTIONS

- **Modular:** All Parts are modular design with high yield rate easy assembly, easy maintenance, low cost for storage and logistics
- **Environment-Friendly:** High efficiency, energy saving, replacing only the damaged module rather than whole luminaire unit
- **Intelligent:** Link with complete platform to support specific intelligent and energy-saving purpose
- **Efficient:** Intelligent wireless sensor network for achieving efficient maintenance and operation
- **Multifunctional:** Integrated with IT technology to create the possibility for other purpose like surveillance, security and commercial advertising.
- **Public Addressing System:** Comes with the loud speaker for public addressing, announcements etc.
- **Two Way VOIP communication:** It provides 2-way communication between the pole and the control room so appropriate and quick response can be take to resolve the issue.

2018



engadget
BEST OF CES® 2018
WINNER



2019

My India WiFi India
SUMMIT & AWARDS 2019
3RD EDITION
Leveraging WiFi For Building A New Age India



We are committed to deliver products with Latest technologies and services that users and partners can build and grow on.

Through constant innovation, Maksat is pushing the boundaries of the Wireless networking.

Maksat is today a self-sustained and debt free company, with concrete assets value of thousands of happy client's worldwide

Maksat was awarded "Best Make In India Wi-Fi Company" under My India Wi-Fi India Summit and Awards 2019

Itanagar and Passighat Smart City surveillance

The Entire project is implemented by Maksat on Maksat Equipment's Successfully completed and in in O&M phase.

A hybrid network with a optimum mix of point to point and point to multi point topology for fetching camera feed to control room .



2020



The Union Cabinet headed by Prime Minister Shri Narendra Modi approved the proposal of Department of Telecom (DoT) to proliferate Broadband through Public Wi-Fi networks under the framework of the Prime Minister's Wi-Fi Access Network Interface (PM-WANI) on 9th December 2020.

This framework takes forward the goal of National Digital Communications Policy, 2018 (NDCP) of creating a robust digital communications infrastructure. The PM-WANI framework envisages provision of Broadband through Public Wi-Fi Hotspot providers.

"To facilitate ease of doing business and encourage local shops and small establishments to become Wi-Fi providers, it has been approved that the last-mile Public Wi-Fi providers require no license, no registration and will not need to pay any fees to DoT."

The government had approved a framework for the proliferation of public Wi-Fi networks through PM Wi-Fi Access Network Interface or PM WANI scheme.



We had successfully deployed more than 100000 units of PM-WANI compliant Access points across India under Govt of India's Digital India scheme, for connecting villages to respective Gram Panchayats to extent BharatNet backbone, creating public hotspot where user can access Internet through Captive portals.

Our customized Access points are Thin AP that is controlled by WLC (Wireless LAN Controller) for configuration and management.

Maksat thin AP are zero configured and easily deployed, self-healing Mesh deployments.

2G 3G 4G 5G



Continuous efforts for providing simplest of solution to the most complex of network requirement and always aiming at linking technology to imagination.

Research and product development is in last phase to launch new 5G devices.

Maksat Participated in 28th Convergence India 2020 expo to show case the leading technology along with new product.





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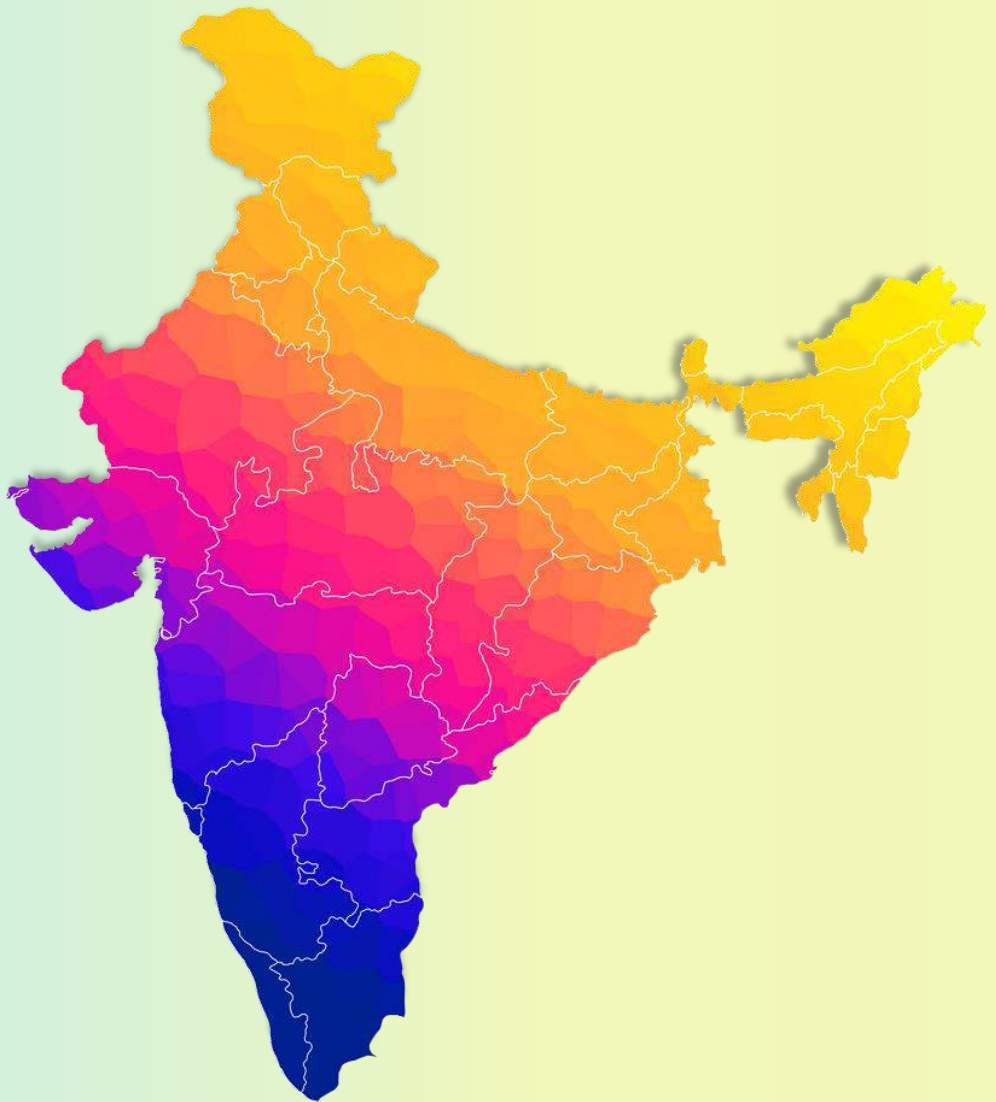
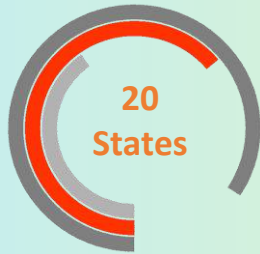
The government had approved a framework for the proliferation of public Wi-Fi networks through PM Wi-Fi Access Network Interface or PM WANI scheme. The initiative aims to elevate wireless internet connectivity in the country

We are proud to share that Maksat has successfully deployed more than 100000 units of PM-WANI compliant Access points across India under Govt of India's Digital India scheme, for connecting villages to respective Gram Panchayats to extent BharatNet backbone, creating public hotspot where user can access Internet through Captive portals.

Our customized Access points are Thin AP that is controlled by WLC (Wireless LAN Controller) for configuration and management.

Maksat thin AP are zero configured and easily deployed, it supports L3 roaming, centralized configuration by downloading profiles for management, and advanced features of fast roaming, QoS, network security self-healing Mesh deployments.

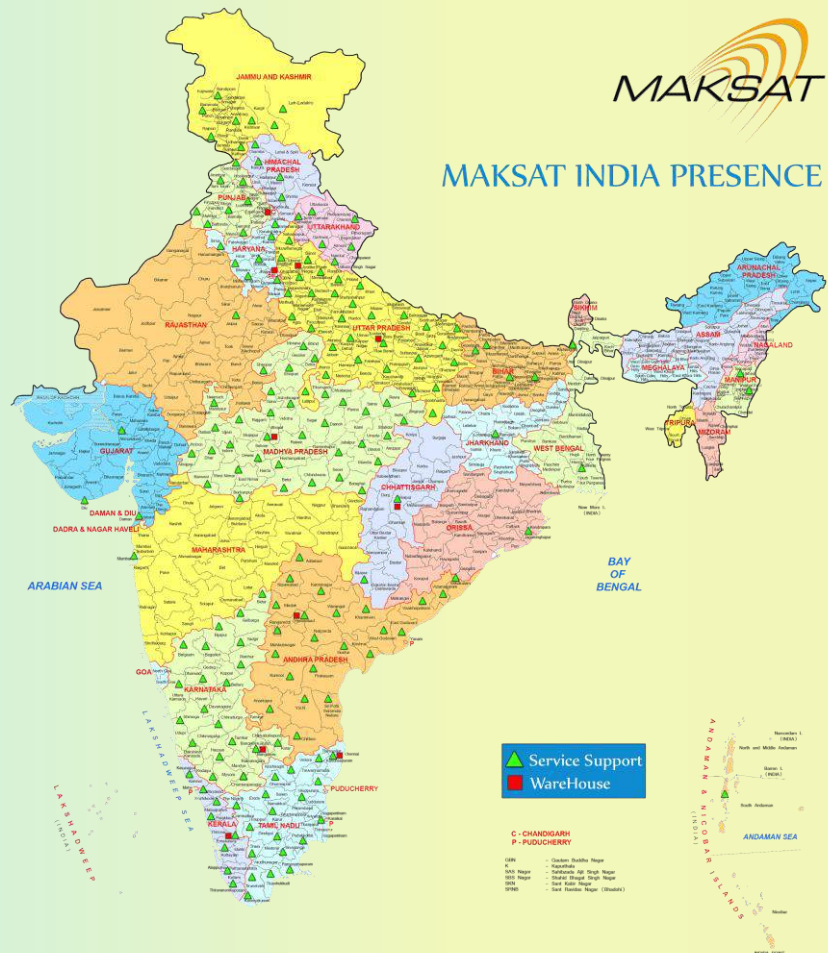
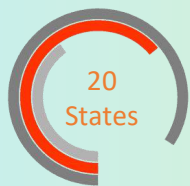
Pan India Presence



2021

The Change is the Heartbeat of Growth, and growth is never mere by chance, it is a result of continuous efforts in synchronization , and growths always have another dimensions to it, the time, it's relative to time, thus cannot happen overnight, rather is a gradual process. We can evaluate our growth in terms of what had we achieved in relation to time that we had spend, there is always a starting point on the axis of growth, but the end point is never fixed and can be stretched to infinity with right investment and efforts.

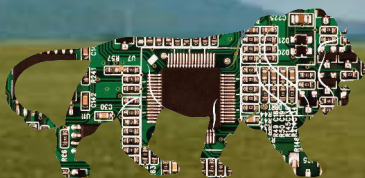
Maksat that emerged as a small organization in year 2000 with a bunch of young entrepreneurs willing to do big in field of wireless communications, had grown into a huge fruitful tree with both its branches and roots big and deep enough to withstand nasty winds , it has spread into a proud Indian Network of over 1800 humans working in sync for that goal of Linking technology to Imagination



Partners



Chhattisgarh Infotech Promotion Society | Government of Chhattisgarh



www.maksat.com

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20 YEARS OF MAKSAT

20 YEARS OF MAKE IN INDIA