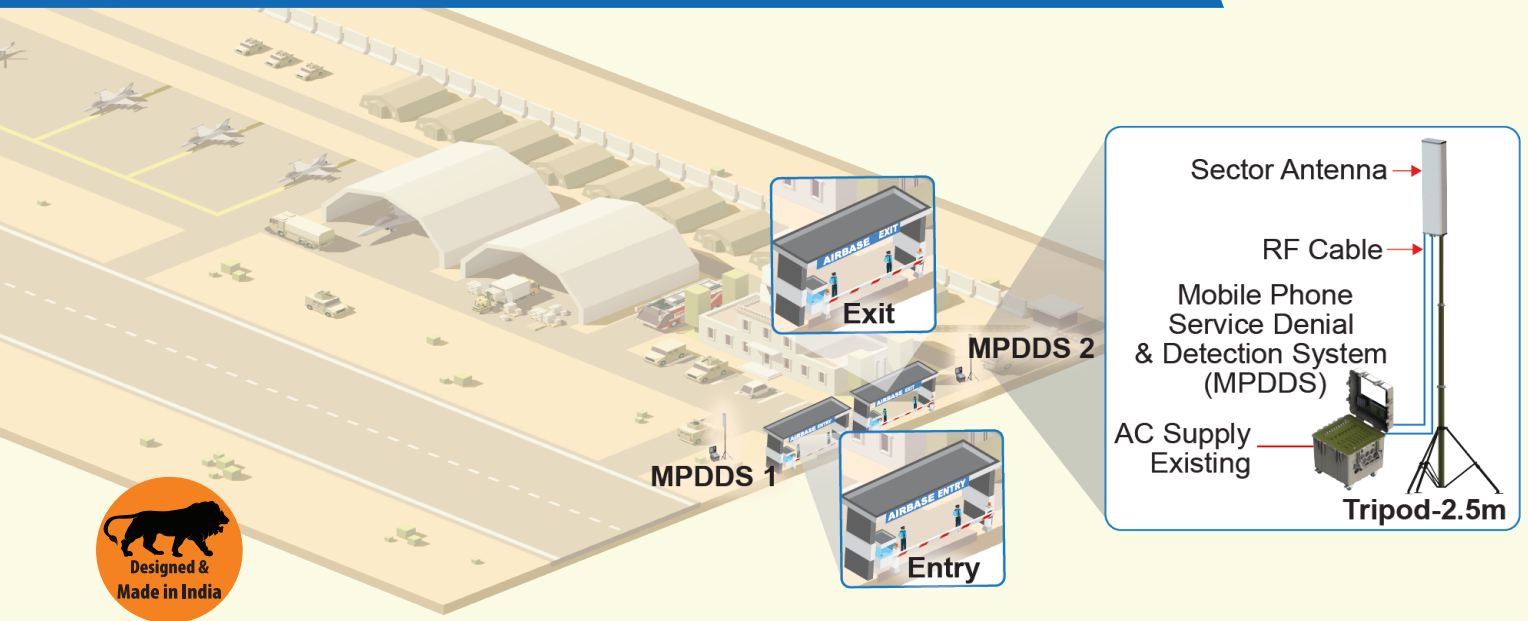


MPDDS

Mobile Phone Service Denial & Detection System for Entry to Strategic Location, Campus



Shyam VNL's Mobile Phone Service Denial & Detection System (MPDDS) detects presence of ALL powered-on mobile phones in specified area of operation, without any dependency on mobile operator.

MPDDS is rapidly deployable, simple to operate and quickly detects mobiles - irrespective of mobile phone's call state i.e., idle, or active call or active data session.

Target Applications

- Entry Gate of Airforce Station (System can be portable or can be installed on existing building).
- Entry of Hangers & Vulnerable Points
- Incident Response / Intelligence collection
- Cordoned Facilities with Restricted Mobile use.

BENEFITS

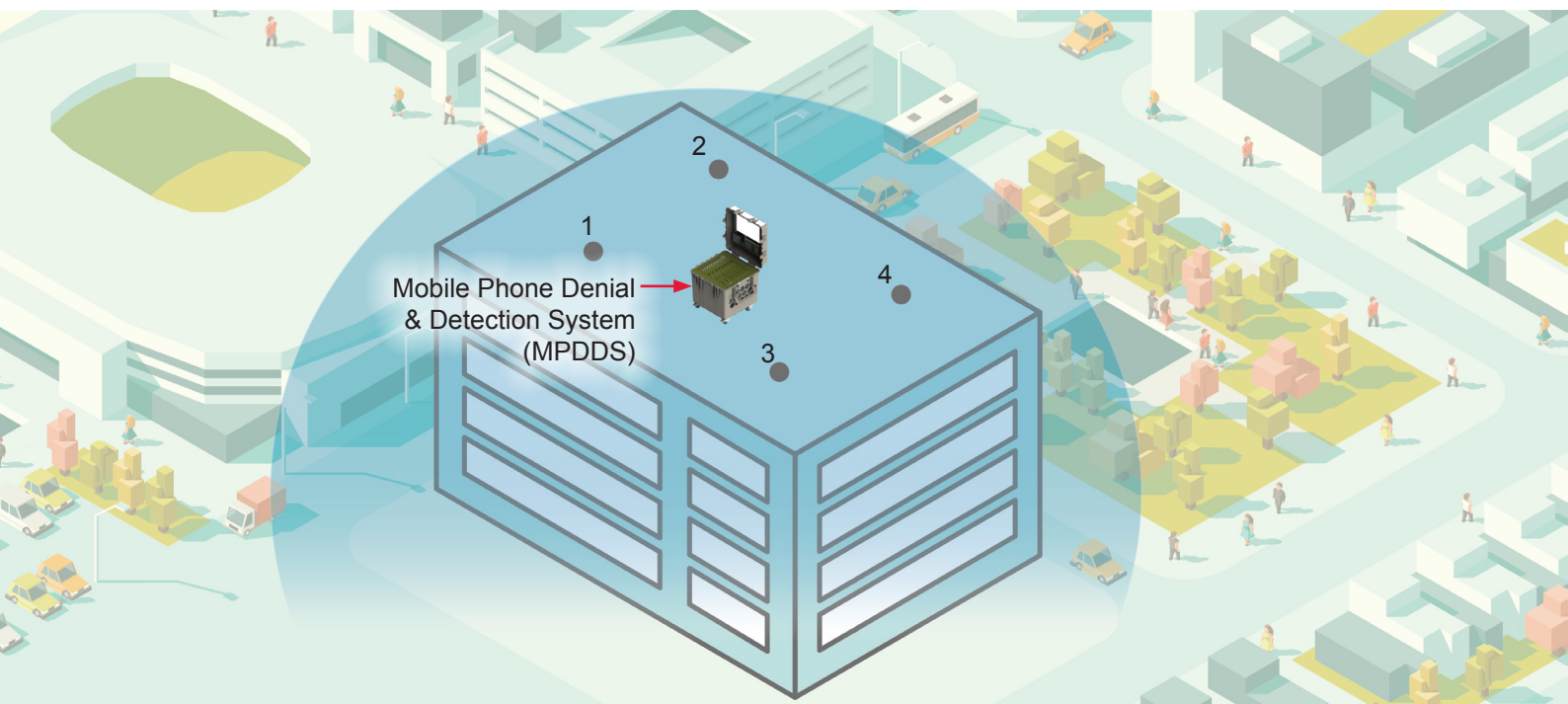
- Fast Acquisition
- Rapid Deployment
- Remote Operation
- Thin Backhaul

HIGHLIGHTS

- Detects Mobile in Idle / Active Call / Active data
- Detects 2G, 3G, 4G mobile phones
- Cellular Frequency Bands – 850, 900, 1800, 2100, 2300, 2500 MHz
- Powerful analytics software for data visualization
- Sheltered Outdoor Operation

MPDDS

Mobile Phone Service Denial & Detection System for Building



Shyam VNL's Mobile Phone Service Denial & Detection System (MPDDS) detects presence of ALL powered-on mobile phones and execute selective denial or services in important building of operation, without any dependency on mobile operator.

MPDDS is rapidly deployable, simple to operate and quickly detects mobiles - irrespective of mobile phone's call state i.e., idle, or active call or active data session.

Target Applications

- Critical Government Infrastructure.
- Buildings / Facilities with Restricted Mobile use.
- Cordoned Facilities with Restricted Mobile use.

BENEFITS

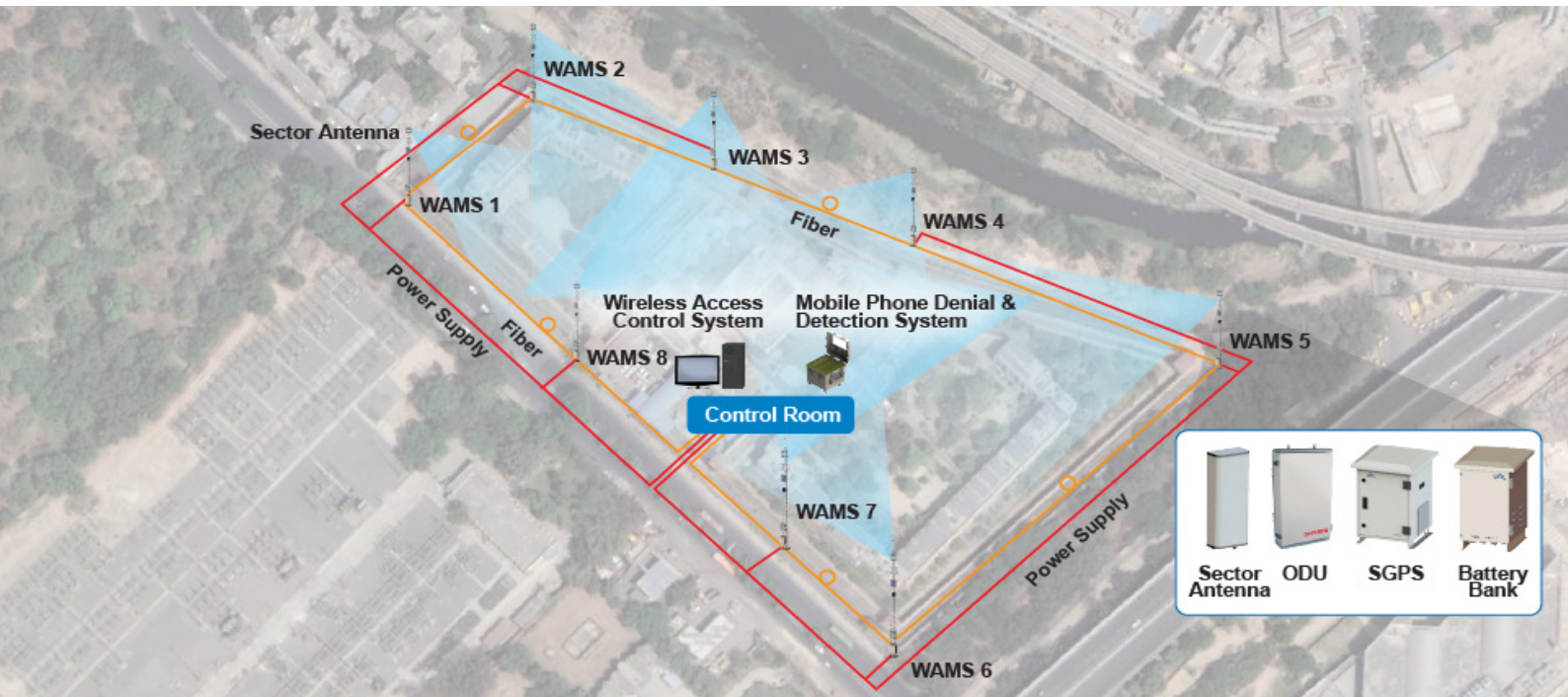
- Fast Acquisition
- Rapid deployment
- Remote operation
- Thin Backhaul
- Standalone and networked operation

HIGHLIGHTS

- Detects Mobile in Idle / Active Call / Active data
- Detects 2G, 3G, 4G mobile phones
- Cellular Frequency Bands – 850, 900, 1800, 2100, 2300, 2600 MHz
- Powerful analytics software for data visualization
- Sheltered Outdoor Operation

MPDDS

Mobile Phone Service Denial & Detection System for Campus



Shyam VNL's Mobile Phone Service Denial & Detection System (MPDDS) detects presence of ALL powered-on mobile phones and execute selective denial in specified area of operation, without any dependency on mobile operator.

MPDDS is rapidly deployable, simple to operate and quickly detects mobiles - irrespective of mobile phone's call state i.e., idle, or active call or active data session.

Target Applications

- Critical Government / Armed Forces Campus.
- Prison / Facilities with Restricted Mobile use.
- Incident Response / Intelligence collection
- Cordoned Facilities with Restricted Mobile use.

BENEFITS

- Fast Acquisition
- Rapid Deployment
- Remote Operation
- Thin Backhaul
- Standalone and networked operation

HIGHLIGHTS

- Detects Mobile in Idle / Active Call / Active data
- Detects 2G, 3G, 4G mobile phones
- Cellular Frequency Bands – 850, 900, 1800, 2100, 2300, 2600 MHz
- Powerful analytics software for data visualization
- Sheltered Outdoor Operation

MPDS SYSTEM VARIANTS

1. Fixed Static Use for Localized areas like Entry/ Exit, Vantage Points, Airforce stations, Camps, Prisons, Cordoned Areas etc.
2. Monitoring Buildings, Sensitive Locations
3. Tactical Portable Use

Depending on deployment coverage requirement, MPDS can be deployed as Integrated 'detection & management' unit (MPDS) e.g., for tactical portable, vehicular use or detection unit with multiple distributed units e.g., for fixed, static installations.

SOLUTION OVERVIEW

MPDS system consists of multi-band multi-technology MPDS unit which detects mobiles. The MPDS unit is connected to multi-band multi-port directional antenna unit mounted on mast using low loss RF cable. The unit has integrated processing unit and can be accessed from any external laptop using web-based GUI. MPDS unit can be operated in sheltered outdoor environment and runs on direct DC48V from Shyam VNL's Power Pack / AC-DC Adapter.

MPDS SYSTEM FEATURES

1. MPDS system provides metadata of detected mobiles like SIM identity, Mobile Equipment Identity, location estimate, Home Operator, and timestamp. Such information enables identification and tracking of suspects and database build-up for intelligence gathering.
2. MPDS's AI based data analytics engine enables extract actionable intelligence based on metadata captured.
3. The system supports integration with external databases using open standard interfaces and provides data export option in various open formats. The system supports easy integration with other Shyam VNL sensors using Shyam VNL's integrated Command and Control system.

4. The system can provide thin backhaul for easy relaying of data back to decision making authorities / Control Centre. The system supports remote operation.
5. MPDS provides for intuitive GUI dashboard displaying relevant information and faster analysis.
6. MPDS system supports operation as Standalone Autonomous unit or as part of Networked deployment.

SPECIFICATIONS

1. Mobile Cellular Technology -2G,3G & 4G
2. Cellular Frequency Bands – 850, 900,1800, 2100, 2300, 2600 MHz
3. Data – IMSI, IMEI & metadata (distance estimate)
4. GPS Support
5. Operating temperature: -20 °C to 55 °C
6. Directional Antenna
7. Mast as required
8. Power Supply – 48V DC IN

USE CASES

1	MPDS Entry	Monitor & Detect mobile services at Entry of Strategic Locations
2	MPDDS for Building	Deny and Detect Mobile Services on Critical Infrastructure / Buildings
3	MPDDS for Campus	Deny and Detect Mobile Services for complete campus

SERVICES OPTIONS

1	Only Mobile Detection
1 + 2	Denial and Detection of Mobile Services
1 + 3	

For further information visit our website www.shyamvnl.com



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