SHYAM
VNL

CBCG
Campus & Building Communication Guard
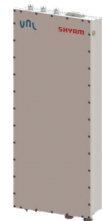
Designed & Made in India

Intelligent mobiles management system for campus & building

Secure campus & building often struggle with the problem of contraband cell phones. Metal, radio-frequency, ferromagnetic detectors, body scanners and even sniffer dogs have limited capability to dig out contraband cell phones. None of these technologies or methods to prevent the contraband phones from working.

Shyam VNL's Campus & building Communication Guard (CBCG) is a smart cell phone detection system that provides campus & building govt. authorities control over staff/visitor and usage of mobile phones – Primary requirement is Service Denial with Mobile identification and then (optionally) temporary allow mobile use for information and confiscate purposes – before service denial of cellular activity in the premises, as they see fit.
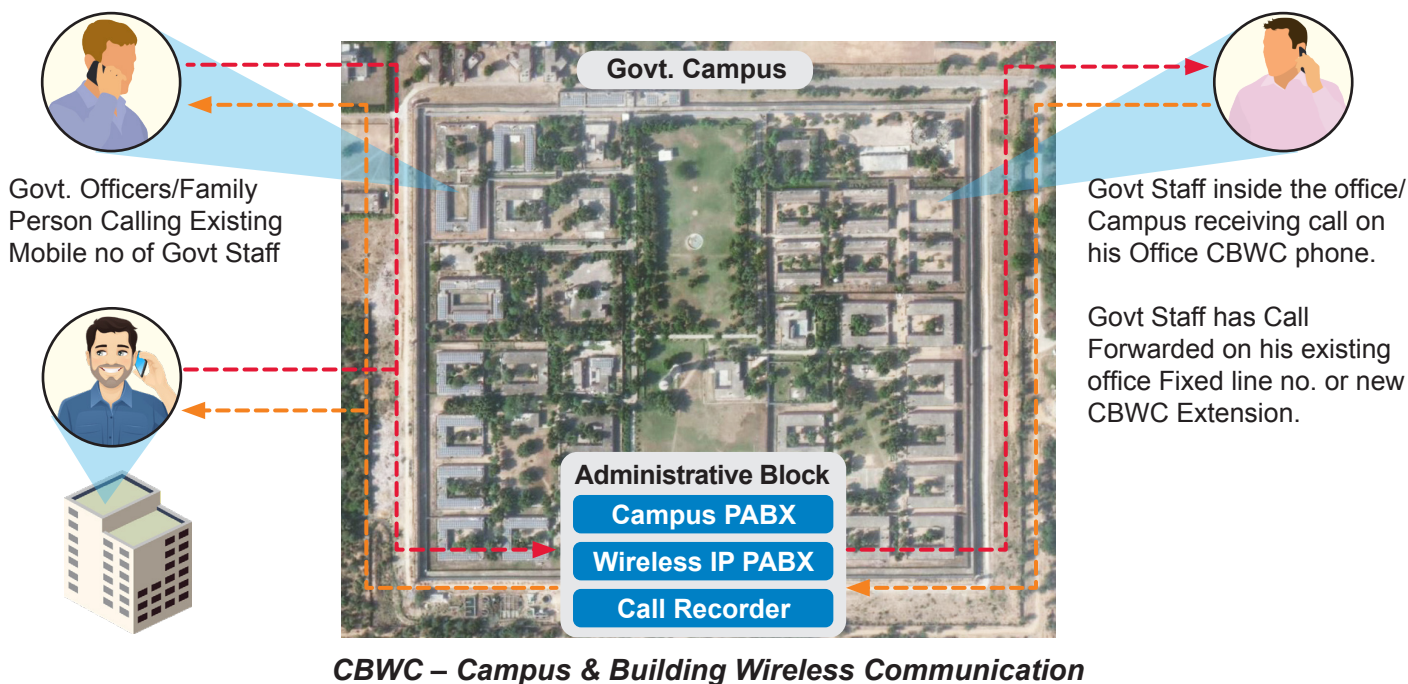
Sector Antenna

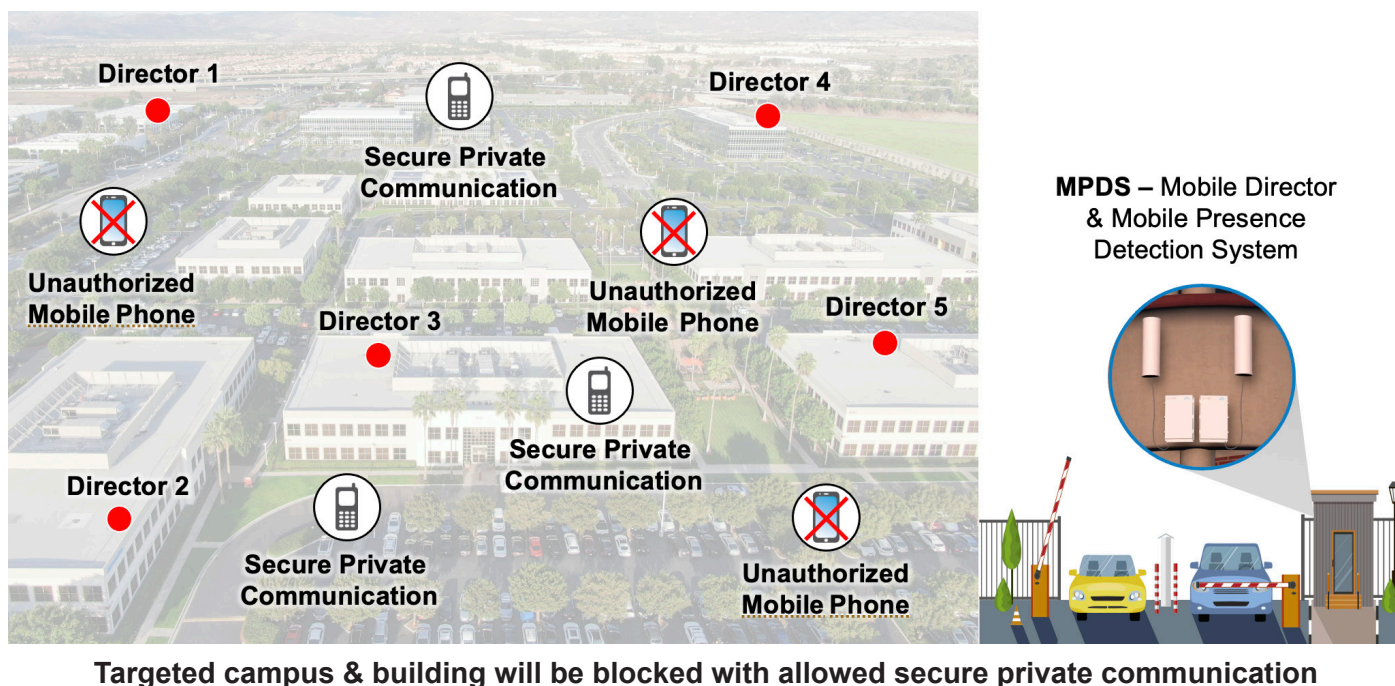*Mobile Presence Detector*

Mobile Director

BENEFITS

- Identify & report all mobile phones in the target area
- Get details of the detected mobiles
- Supports 2G, 3G & 4G in all existing mobile Bands
- Optional Wi-Fi, 5G & new frequency bands
- Instantly block services to all mobile devices in the area covered by the system, including Dongles

HIGHLIGHTS

- Ensures 100% Denial & detection of Mobile phones
- Independent and self-contained
- Modular & Scalable – deploy in small to larger areas
- Detect change of SIM & mobile devices
- Monitor and record any suspicious communication
- No data services, only voice & SMS allowed

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Govt. Campus

Govt. Officers/Family Person Calling Existing Mobile no of Govt Staff

Govt Staff inside the office/ Campus receiving call on his Office CBWC phone.

Govt Staff has Call Forwarded on his existing office Fixed line no. or new CBWC Extension.

Administrative Block
Campus PABX
Wireless IP PABX
Call Recorder

CBWC – Campus & Building Wireless Communication

GENERIC ARCHITECTURE OF CAMPUS & BUILDING COMMUNICATION GUARD

Director 1

Director 4

Secure Private Communication

Unauthorized Mobile Phone

Director 3

Unauthorized Mobile Phone

Director 5

MPDS – Mobile Director & Mobile Presence Detection System

Director 2

Secure Private Communication

Secure Private Communication

Unauthorized Mobile Phone

Targeted campus & building will be blocked with allowed secure private communication

HOW SYSTEM WORKS

1. Shyam VNL carefully analyzed campus & building requirements and designed a 100% foolproof solution, which can be installed in any campus & building.

2. System developed using Core Mobile technology.

3. Intelligent, Flexible, Easy to Plan, Deploy & Upgradable.

4. End to End Solution.

5. The system is operated & controlled by centralized control room through operation and maintenance centre.

6. Option to share live Network Analysis with other Security agencies.

7. Private Secure Communication - Private Voice/ Video communication & Live video surveillance for better coordination in critical operations that require unfettered and continuous connectivity.

Mobile Device powered ON inside System's Coverage Area

1. **Mobile's Network Service Denied**

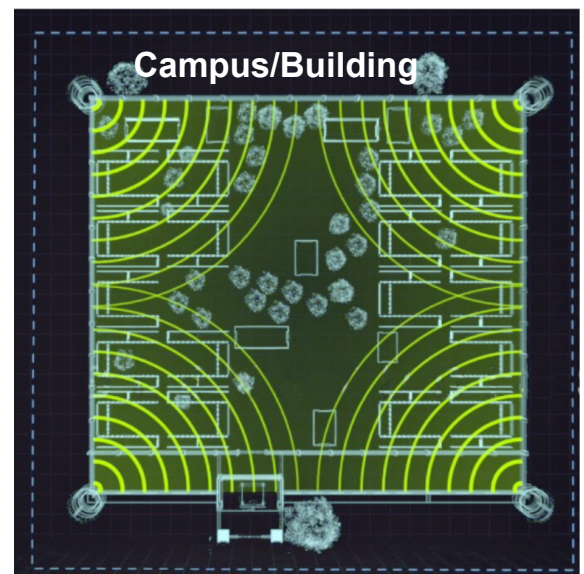2. **Mobile Identity Captured (IMSI, IMEI, Rx level, Type, Technology etc)**

3. **Analytics based on Identity & metadata e.g. Location Zone**

4. **Alert raised on Dashboard.**

5. **Alert Forwarded as SMS/ Email to Team**

6. **Secure private mobile & broadband communication**

Mobile Phone Detection and Service Denial with secure private communication

CBCG's coverage dedicated to only Govt. campus & building and the system does not disturb the public domain

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ADVANTAGES OF SHYAM VNL CBCG:

	Campus & Building Requirement	Shyam VNL - Intelligent Denial & Detection with Secure Communication
1	**Service Denial of all mobile within the campus/building area**	RF Scan & analysis of full Area. Due to customized RF planning, all mobiles within the campus & building area shall be denied services. Negligible impact on mobile outside the campus/building area.
2	**Mobile Identities of detected mobile within campus/ building area**	Mobile Identities (IMSI, IMEI, Rx level, Type, Technology etc) of detected mobiles within **100%** target area of campus/building.
3	**SOP / Control**	System operations fully under control of Govt. authorities. Without any coordination or help from Mobile operators.
4	**Services for Secure Phones provided with the system.**	Only Voice services allowed over a captive mobile network for campus/ building authorities provided with feature phones only. All outgoing calls routed via office wireline exchange - with option for recording & monitoring. No Data services to prevent data thefts.

SYSTEM REAL-TIME REPORT OF MOBILE PHONES IN THE CAMPUS / BUILDING

Detected Mobile Information					Blacklist ■ —	
Date	**Time**	**Operator**	**IMSI**	**IMEI**	**Target**	**Tech**
xx-xx-xx	8:42:15	Airtel-DL (India)	40410054710XXXX	NA	Detected	4G
xx-xx-xx	9:12:22	JIO-DL (India)	40585615813XXXX	NA	Detected	4G
xx-xx-xx	10:10:12	BSNL-HR (India)	40468550861XXXX	86256303645XXXX	Detected	2G
xx-xx-xx	10:34:28	Airtel-DL (India)	40410053342XXXX	NA	Detected	4G
xx-xx-xx	11:54:18	Etisalat (Nigeria)	42402101326XXXX	35425581605XXXX	Detected	2G
xx-xx-xx	13:02:20	VI-DL (India)	40411220178XXXX	35332010073XXXX	Officer 1	2G
xx-xx-xx	13:02:30	Airtel-DL (India)	4041005471XXXX	35693709733XXXX	Detected	2G
xx-xx-xx	13:03:20	JIO-DL (India)	40587208895XXXX	NA	Detected	4G
xx-xx-xx	13:04:02	Etisalat (Nigeria)	42402141679XXXX	35590009113XXXX	Detected	2G
xx-xx-xx	13:16:07	Wataniya (Kuwait)	41903101707XXXX	86057003287XXXX	Detected	2G
xx-xx-xx	13:28:12	JIO-DL (India)	40587208895XXXX	86523004066XXXX	Detected	2G
xx-xx-xx	13:44:17	Beeline (Russia)	40101568039XXXX	NA	Detected	4G
xx-xx-xx	13:52:22	JIO-DL (India)	4058720889XXXX	86530004257XXXX	Officer 2	2G
xx-xx-xx	14:04:27	Banglalink (Bangladesh)	47003600284XXXX	35858042128XXXX	Detected	2G
xx-xx-xx	14:16:32	Proximus (Belgium)	20601801638XXXX	NA	Detected	4G
xx-xx-xx	14:28:37	Airtel-DL (India)	40410054802XXXX	NA	Detected	4G
xx-xx-xx	14:30:42	Airtel-DL (India)	40410054802XXXX	NA	Detected	4G

XXXXX *Detected **illegal** Phones of Indian Operators*

XXXXX *Detected **illegal** Phones of **Foreign** Operators*

XXXXX *Detected Phones of **Authorized Officials***

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For further information visit our website www.shyamvnl.com

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