

FP-HDLS

Foliage Penetrating - Human Detection & Locating System



Overview

ShyamVNL Foliage Penetrating - Human Detection & Locating System (**FP-HDLS**) provides persistence surveillance **through dense foliage** and 100% spontaneous detection of Mobile Devices carried in vehicles and with persons over a wide area. The system can be deployed on the ground, Vehicle, Hill Top and on a Helicopter. It is made operational in less than 30 minutes. The **FP-HDLS** is designed to penetrate any kind of foliage where all other technologies have failed.

High reliability is achieved by the Cellular **FP-HDLS** hi-tech design, which has no moving parts. It is suitable for Dense Forests/Jungles, Riverine areas, Tropical Borders (including international borders), Airport and Seaports. Moreover they can be secured through the use of multiple units that together provide end-to-end, overlapping coverage and 100% detection of all persons carrying active mobile phones in the coverage area.

This innovative field proven system can be customized, as per users requirements using ShyamVNL capabilities.

BENEFITS

- Dense Forests/Jungles & Remote Areas
- Critical Infrastructures
- Airports and Seaports
- Military Bases
- Multi Mode Deployment (Manpack, Tripod, Vehicle, Drone/Balloon, Helicopter)

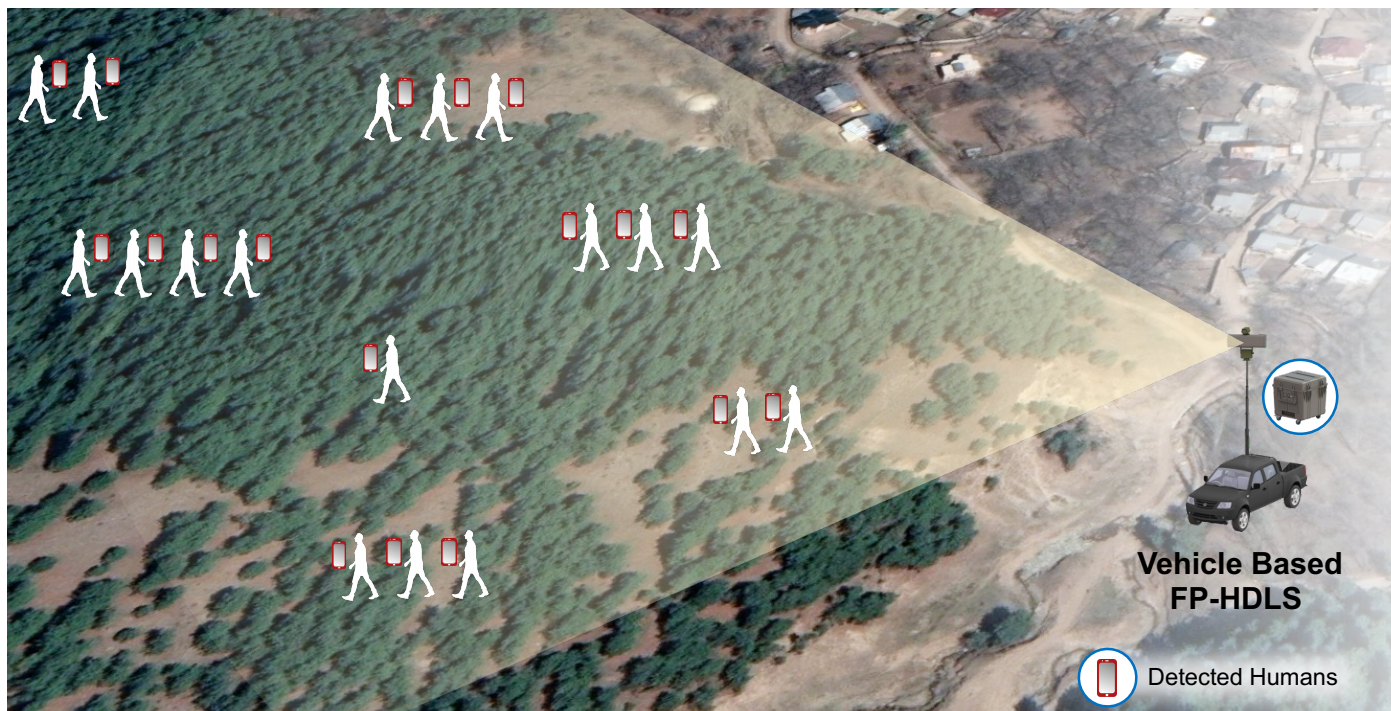
FEATURES

- 100% Detection & Localisation
- Rapid Deployment
- Option for Network Operation
- Integrable with Other Security Solutions
- No Moving Parts & Cost-effective

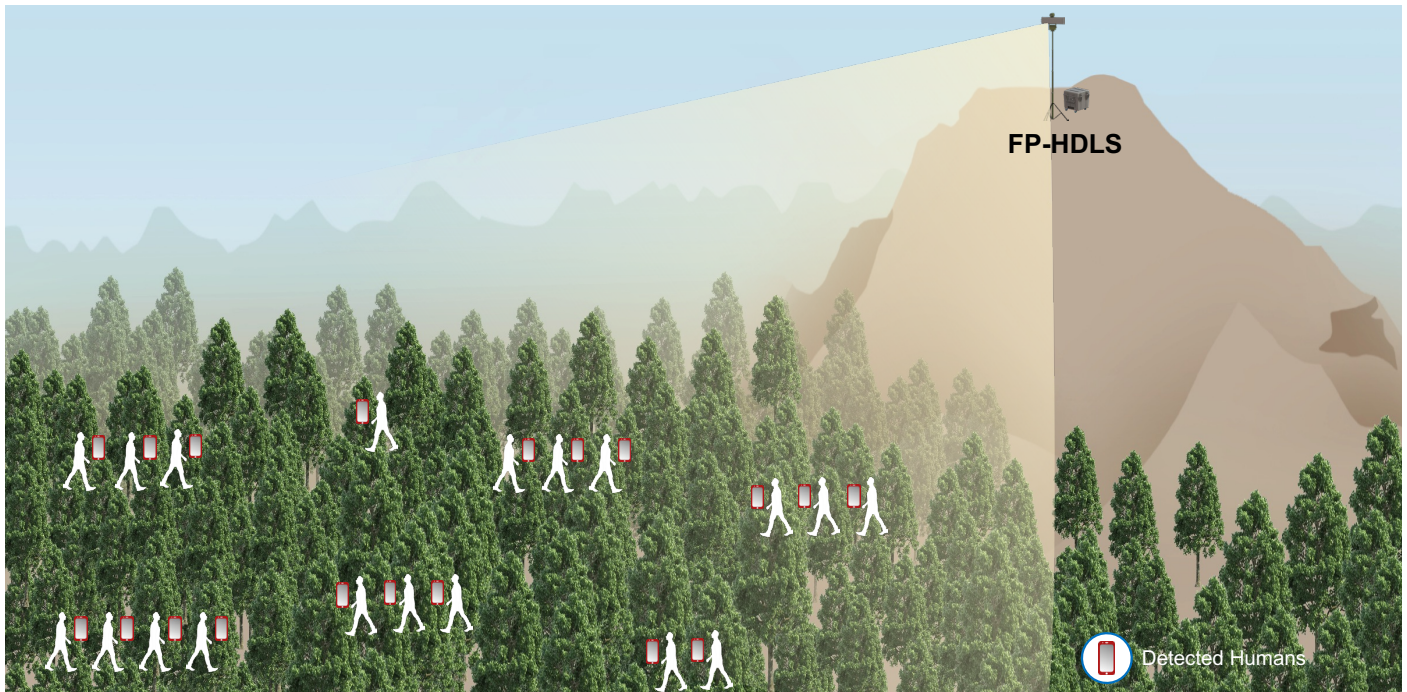
Tripod Based FP-HDLS Deployment in Plain Terrain



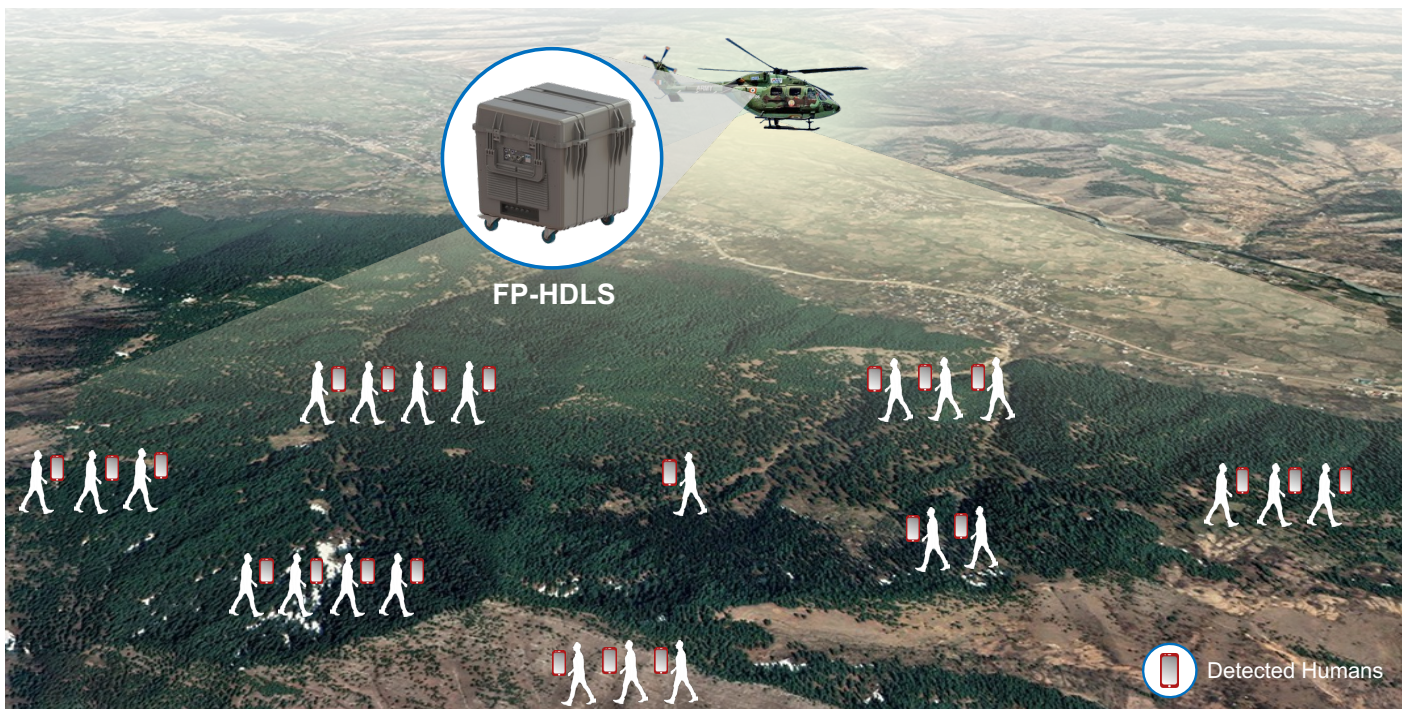
Vehicle Based FP-HDLS Deployment in Plain Terrain



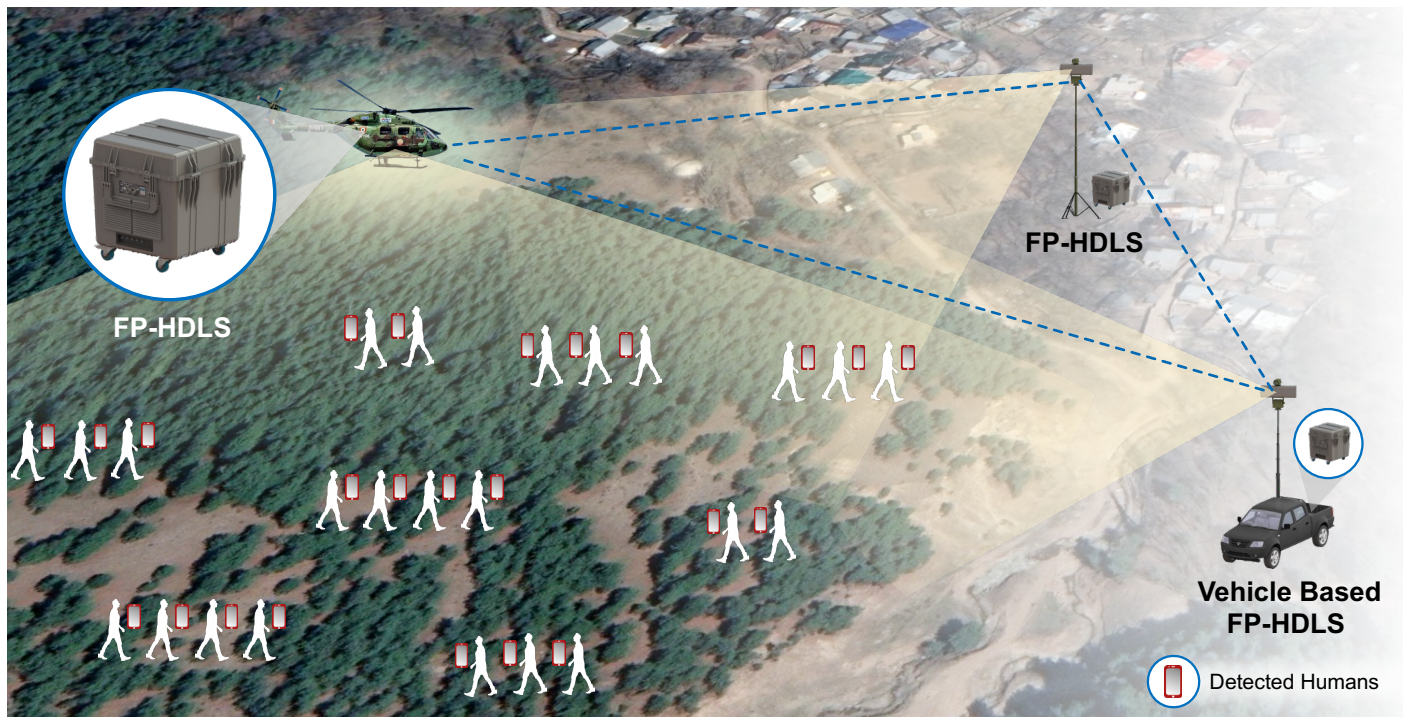
FP-HDLS Deployment on Hill Top – Detects Persons in Foliage on Forward Slopes



FP-HDLS Deployment on Helicopter



Multi Mode Deployment of FP-HDLS



GENERAL	
Target Types	Humans/Vehicles Carrying Any Mobile Device
Target Velocity	<u>Stationery</u> to 200 Kms/Hr
Azimuth Coverage	60° Per Sector
Elevation Coverage	20°
Power Consumption	1,500 W Per Sector
Weight	60 Kg Per Sector
Sector Communications	C2 Link over Ethernet from System
False Alarm Rate (FAR)	Zero
Antenna Type	Cell Tower like Sector Antenna Panel

ENVIRONMENTAL CONDITIONS	
Temperature	-20 °C ~ 50 °C
Humidity	0-100% RH, Non-condensing
Altitude	Up to 14,000 ft AMSL
Weather Resistant (Rain, Snow, Ice, Dust, Sand, Salty Spray)	Full Compliance

For further information visit our website www.shyamvnl.com



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