

# SAA

## Securing Airports & Airbases



### **Real-time monitoring and dissemination of intelligence with advanced Command and Control Center for protection of Airbases - fully automated threat and anomaly-based detection, intelligence and analytics**

Commercial and military aviation is fundamentally a high-risk environment that necessitates consistent, round-the-clock security. Despite this, their perimeter is protected by gates that are passive, not proactive, and lack active defences such as cameras and sensors. When perimeters remain passive, a tiny breach can soon turn hostile and devastating. As a result, it is critical that the perimeter of the airport be fully covered with active sensors that operate as a smart shield against external threats.

Shyam VNL's PIDS, a fully automated Perimeter Intrusion Detection Solution (PIDS) designed for protecting Airports and Airbases from intrusion, is a combination of multiple sensors and 24x7 monitoring that form an integrated, 7-layer security to deter, detect, delay and avert intrusion.

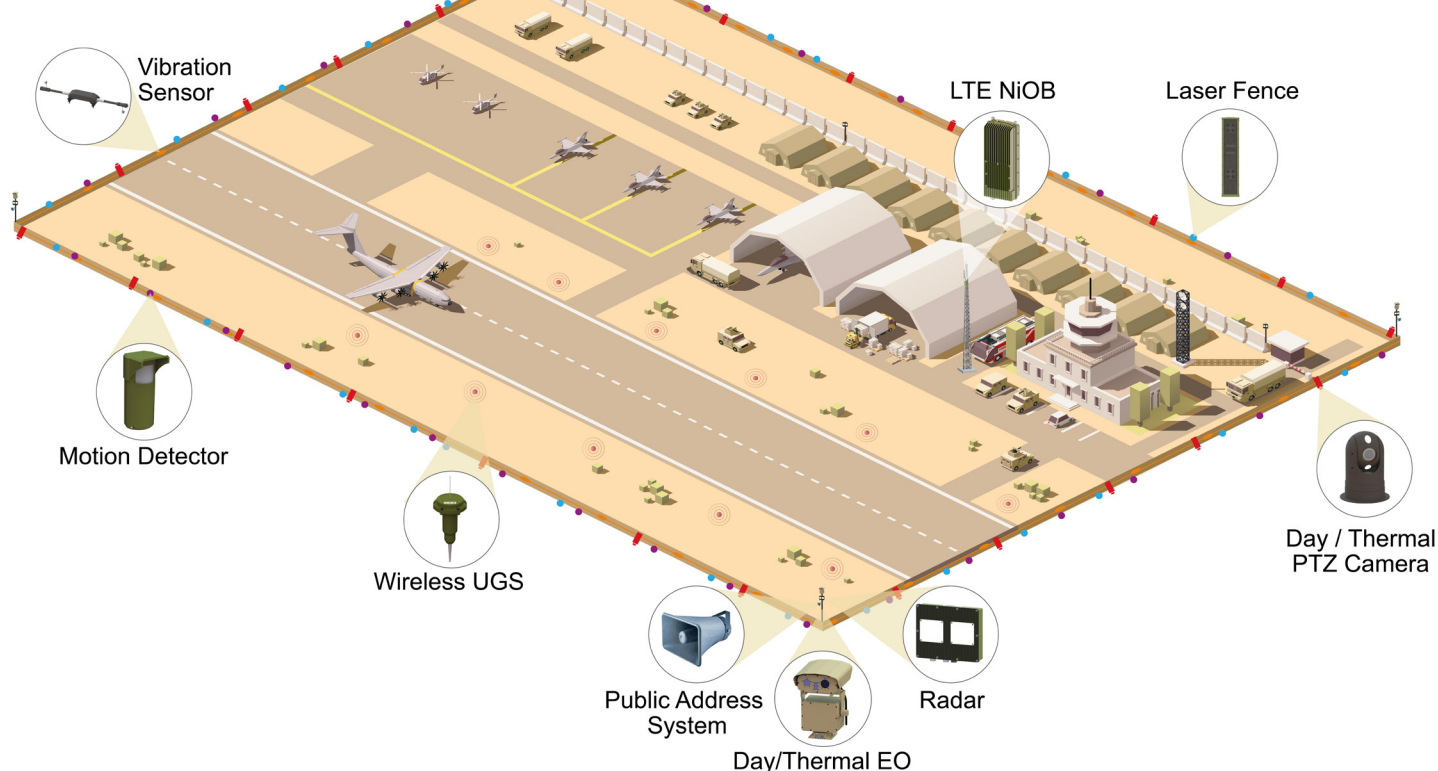
A command and control system created in-house aids situational awareness and the integration of numerous sensor technologies on a single, centralised platform. It compiles all of the disparate data and displays it graphically, making it easier for operators to identify and verify risks, prioritise security events, and proactively resolve intrusion scenarios.

### **BENEFITS**

- Real-time, 24x7 live monitoring and tracking of vast airbase perimeters
- Quick dissemination of intelligence with advanced Command and Control software
- Reduces man-power load to guard perimeters manually
- Day-night operation; tamper alarm
- Integration with other systems via SDK and API

### **HIGHLIGHTS**

- User-friendly and intuitive display of sensors and alarms on digital/GIS map
- Intrusion identification by Slew to Cue when integrated with camera (AWSC or PTZ Camera)
- Remote configuration and monitoring through Command & Control software
- Low false alarm rate; sensitivity adjustment
- Field-proven in India



### Shyam VNL's Fortified Perimeter Intrusion Detection Solution for Airports and Airbases explained

## MITIGATING THREATS BEFORE THEY ARRIVE

Perimeter Intrusion Detection System (PIDS): A 7-layer intrusion detection system for real-time, preemptive prevention against intrusion attempts at perimeters that are tough to guard manually, 24x7. The offered solution is a combination of multiple sensors to form an integrated security solution which includes:

- 1. Unattended Ground Sensors (UGS):** Built for covert intrusion detection and comprehensive perimeter protection. These are extremely sensitive seismic sensors that can be buried underground for early warning against potential intrusion threats. It can easily classify types of intrusion - human walking, mechanical/manual digging or vehicular movement.
- 2. Dual-tech Motion Detector:** A dual technology motion detector best for approach detection from a distance of up to 15m.
- 3. Intrusion Detection Sensor (IDS):** Fence/ wall-mounted vibration sensors for the outdoor perimeter. Capable of detecting any intrusion attempt - aided or unaided climbing, cutting, drilling, chiselling or tampering.
- 4. Invisible Fence Sensor:** An additional virtual wall created on top of the wall by installing a sensor (IR + Microwave) to create an invisible fence for protection against unaided intrusion events such as using platforms/ pole vault/ nearby trees.

- 5. Day/ Night, high-resolution, fixed cameras** for continuous perimeter monitoring to add a visual layer to surveillance and monitoring.
- 6. Day/ Night, thermal, high-resolution PTZ cameras** to visually identify intrusion and track the intruder's path of advance.
- 7. Public Address system/ Intruder Warning System** to deter an intruder from proceeding further

## CENTRALISED CONTROL FOR 360° SITUATIONAL AWARENESS

All the data from the 7-layer lock system merges at an automated command and control centre, helping airport authorities constantly monitor the vulnerable perimeter points, track unwanted activity, and apprehend intruders.



For further information visit our website [www.shyamvnl.com](http://www.shyamvnl.com)



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