

# Human Security Radar

## Narcotics and Currency Detection Capability

Very few technologies are able to detect narcotics in real time and fewer still can do so without disrupting passenger and people flow to an unacceptable level. Apstec's Human Security Radar® (HSR™) is designed to address this gap by delivering a capability to inspect passengers autonomously and in real time. The ability to do this offers a step change in capability enabling customs officers to operate more effectively and efficiently.

HSR is a high throughput people screening system that detect narcotics and currency being carried by couriers through national borders, whether land, sea or air. Fully automatic, real time and without the requirement for additional staff to respond to alerts or manage the system in anyway.

The system emits very low power radio waves (approximately 1% that of a mobile phone power output) into an inspection zone ranging from 3 to 6m in length and 3 m wide. The system analyses the radio waves reflected from people moving through the inspection zone to determine whether or not they are carrying narcotics on the body or in body worn bags. When narcotics are detected, the system alerts and presents an image of the carrier to the customs officer and the location where the item is being carried to enable a response.

HSR offers a great opportunity to significantly improve the effectiveness of Customs operations. Placed in a customs channel, HSR provides an additional layer of screening that can detect narcotics and currency being carried on passengers entering or, in the case of currency, leaving the country.



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Very few technologies are able to detect narcotics in real time and fewer still can do so without disrupting Operational Characteristics:

- High throughput screening of thousands of people an hour
- Fully autonomous and real-time
- Detects narcotics and bank notes carried on the body and in body worn bags
- Low false alert rate
- System can be deployed overtly or covertly
- Low contact screening minimising health risks
- Cost effective and simple to operate

HSR does not require any additional staff and simply slots straight in to any border operation. In terms of behavioural detection, it provides another trigger in an already hostile environment for the trafficker. It complements but improves operational efficiency. HSR provides the opportunity to identify traffickers in real-time who under current approaches to screening might otherwise gain relatively unhindered entry into the country. It ensures that one hundred percent of passengers are screened, allowing intelligence led operations to focus on the highest priority risks. Without requiring additional Customs staff and with a simple response to any alerts, HSR provides a genuine and significant enhancement to border operations.

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