



# HSS Development Group LTD

COMPANY PROFILE

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WWW.HSSDEVGROUP.COM

New York, USA - London, UK - Sofia, Bulgaria

# PROFILE

## General Business Activities:

HSS Development manufactures and provides Engineered System Solutions for Government groups and Law Enforcement Agencies through strategic partners in the areas of Security and Surveillance.

Our activities include both designing as well as consulting on security technology solutions, with an analytical approach to problem solving of scientific issues for both Security in the area of RF technologies + Bomb Detection, and Surveillance involving communication gathering and monitoring.



**R&D  
MANUFACTURING  
ENGINEERING**

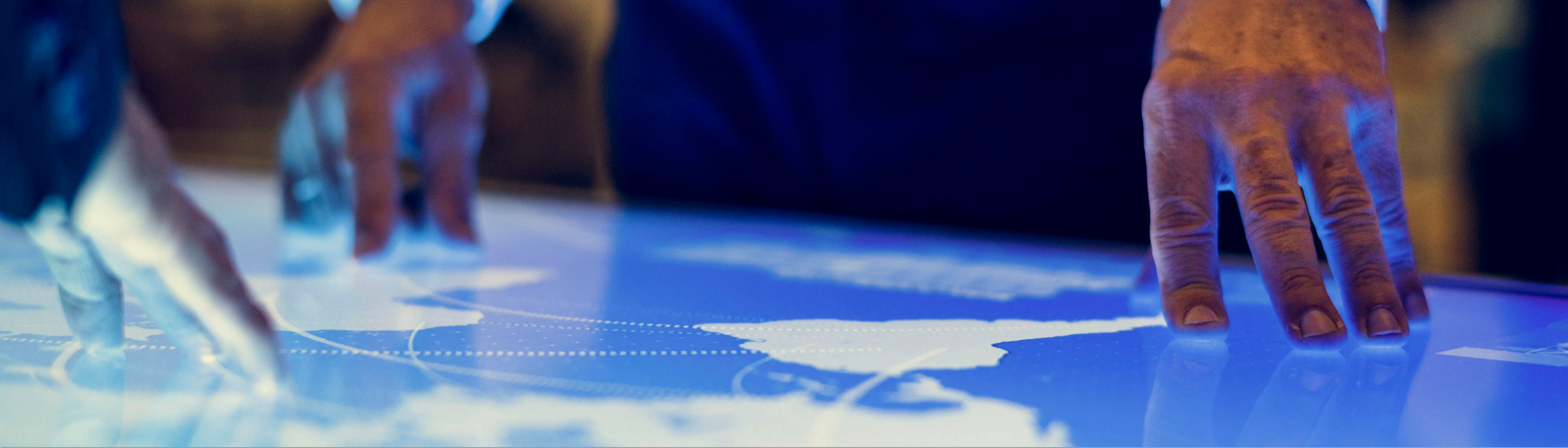


**SECURITY  
CONSULTING  
TRAINING &  
SUPPORT**



**FRANCHISED  
SECURITY  
RESELLER  
SUPPORT**





## COMPANY STRATEGY

HSS Development aims to provide support for today's Franchised Security Reseller with the necessary tools and knowledge that a Government Vendor requires. With an emphasis on success, HSS believes that an informed Partner is best supported by training and marketing support from an experienced manufacturer. Because technology often changes, it is essential that today's Government Vendors be outfitted with information ; and while there is an open-source of information online, the better method of face-to-face meetings and presentations have a deeper impact.





## R&D MANUFACTURING ENGINEERING

An extensive line of proprietary products are designed and manufactured in our factories here and abroad. Engineers specializing in software development, electronics and micro-mechanics provide custom solutions for the most demanding field operations.

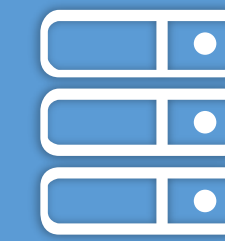


## SECURITY CONSULTING TRAINING & SUPPORT

Our team of experts has theoretical, practical and field knowledge of security services and methodology + decades of experience consulting to various audiences:

- Governments and Intelligence Agencies
- Security Resellers
- Our services encompass:
  - System Solution Engineering
  - Site Surveys
  - Risk Assessment
  - Problem Solving in RF + EOD Industries

Our Tech Teams travel to every continent to give seminars and workshops on drawing board technology, and bring with them the latest tools and solutions to provide hands-on Presentations + Demonstrations.



## FRANCHISED SECURITY RESELLER SUPPORT

Our security experts provide seminars for those who wish to learn more about the industry, its potential rewards, and how to analyze one's marketplace. Hands-on workshops train even on-technical users on sophisticated technologies.

Support materials are also created for both Security Resellers and their Government Clients, white papers, PowerPoints, Flash Drives ; certificates are given for course completion.

## CELLULAR INTERCEPT

1989 - 1999

With Analog Cellular Networks (AMPS) slowly phasing out, we offered both legacy collection systems, Digital AMPS (DAMPS), and TDMA applications.

## BOMB DETECTION MITIGATION

1979 - 2003

With the introduction of the Bomb Ranger in 1979, the next 20 years saw an increase in demand for our early generation signal blocking technologies, which we designed to work with several types of Bomb Detectors for Law Enforcement and High Profile VIP Targets under constant threat of assassination.

## CELLULAR INTERCEPT

2001

Built a portable monitoring platform for GSM that permitted the collection and archiving of GSM voice communications. Built a stationary monitoring platform for CDMA that permitted the collection and archiving of CDMA voice communications. Integrated a solution to decode encrypted GSM operating on protocols A5.0, A5.1, A5.2

## SIGNAL ANALYSIS

2003

Developed the ECM SA-1300, a countermeasure technology used to detect and pinpoint locations of all radio communication signals, including video, audio and data transmissions.

BOMB JAMMER

2004

In response to Insurgent and Terrorist activities, we overhauled our Bomb Ranger line of Electronic Warfare solutions and produced a hand carried Bomb Jammer VIP200.

BOMB JAMMMER

2004 - 2008

Designed and produced the convoy jamming solution of RCIED Defeat Technologies for both Roof Mounted and Covert Trunk Mounted configurations.

BOMB JAMMER

2008

Developed PLL stabilized RF Jamming Technologies, reducing thermal interference in RF Jamming systems in order to provide "clean" RF Jam waves in both Cellular and non-cellular based frequencies. This met the needs of many organizations who require accurate RF Jamming without experiencing any frequency 'shift' due to overheating at the component level..

BOMB JAMMER

2008

Developed the VIP300C Programmable Communication Jammer, eliminating the need for Factory Programming, giving the user the ability to control what frequencies they want to jam at will.

PRISON JAMMER

2009

Introduced the Prison Jammer line of technologies for use in Prisons and Military Bases.

CELL CATCHER

2010

Introduced the CC1700 and CC2300 Communication Control Systems using Managed Access for Cellular Voice and Data with White List / Black List attributes with Hybrid Cell Catcher applications for Prisons.

CELL CATCHER

2011

Designed the CC2800 COMINT platform with Decipher, UMTS Solution (3G Interception), and Spider - Web Star Topology applications for multi-city Cellular Voice and Data Intercept.

PRISON JAMMER

2012

Developed the Detector Jammer with network capable functionality.



CELL CATCHER

2012

: Introduced the CC1500 Cell Catcher, with a capable application for Distributed Antenna Systems in Prisons, featuring Permissions Based network access through the White List - Black List GUI of system resources and 911 Pass Through applications.

CELLULAR INTERCEPT

2013

Launch of the Tracking Intelligence line of Cellular Intercept with Forensic Features including Terrorist Trap™, Target Locator for Cellular Tracking with Geo-Location, Direction Finding, and Smart Phone mapping, Target Manipulator (CounterSpy™), and Target Cloning for 2G and 3G (UMTS) Networks.

BOMB JAMMER

2014

Creation of the first Bomb Jammer™ Demo Kit.

PRISON JAMMER

2012

Developed the Detector Jammer with network capable functionality.



## VSA 3<sup>RD</sup> GENERATION

2014

Redesigned and Redeveloped the Voice Stress Analyzer. Applications include covert analysis, remote interrogation + interview features, and advanced sensitivity controls.

## CELLULAR INTERCEPT

2014

Designed the CC5000 Passive Collection and Situational Awareness Platform for advanced intelligence gathering and analysis, with remote receiver capabilities for true Spider Web intelligence gathering.

## CELL CATCHER

2015

Designed the cc4300 low profile handheld Cell Catcher for 2G, 3G, and 4G Network Interrogation. Remote connectivity provides Law Enforcement users with advanced situational awareness of Targets in range.

## BOMB DETECTION

2015

Successfully integrated the RDS400 Suicide Bomb Detector with the VIP400 RF Jamming Solution to bridge the gap between detecting Suicide Bomb Vests & Belts with secondary triggers used to active Person Borne IEDs (PBIED) by remote control.

## BOMB DETECTION

2016

Successfully tested the ABD200 Aerial Bomb Detector, going from prototype to production beginning Q1.

## DRONE JAMMER

2017

The Drone Jammer addresses Drone Incursions to Restricted Airspace. Operational goals for the system include blocking control frequencies as well as GPS receiver bands in order to immobilize commercial drones that conduct video reconnaissance as well as weapons transport, narcotics, contraband, etc.

## GLOBAL MESH

2017

An Early Warning Detection System - Used to detect Drones, Phones, & RF Infiltrations Over Large Areas through a sensor-based network system. It can also detect RF signals Cars, Boats, WiFi & MiFi devices and more

## ION MOBILITY SPECTROMETER

2017

This Explosive + Contraband Detector provides Identification + Alerting to Bomb Threats. It conducts scans and identifies suspected chemical traces for bomb materials as well as contraband chemical instances including narcotics and chemical warfare traces. It was designed by an HSS partner with the task of increasing detection and alert speeds in high traffic areas without reducing the sensitivity for all detection parameters.



## BACKPACK IMSI CATCHER

2017

A portable mobile collection system used to capture identities of handsets in range ; deployed to target any Radio Access Technology on GSM, UMTS, LTE-FDD or LTE-TDD. Configurations range from 2 to 6 radio platforms and scale up as per user requirements.

## OSINT

2018

The OSINT Solution provides the investigative technology targeting personal data, internet content, network relationships, and social media activities of criminal and terror suspects. The OSINT solution includes a specialized learning engine, which is independent to any language base, providing a unique approach to aggregating and analyzing captured intelligence.

## INTERCEPT DETECTOR

2018

Cellular Intercept Detection that alerts the user to active audio interception systems and rogue base stations including IMSI Catchers. It also provides the ability to home-in on illegal base stations that are not supposed to be there.

## INTERCEPT JAMMER

2019

The Interceptor Jammer is a reactive detection + jamming system used to alert the user that a Mobile Intercept consisting of Voice & Data capture technologies is operating within range ; Once the system detects the threat, it can then jam that mobile interception system operating on 2G, 3G, and 4G technologies. It is used to defeat both audio intercept as well as IMSI Catchers.