TeleStrategies®
ISSWorld® Europe
Intelligence Support Systems for Electronic Surveillance, Social Media/DarkNet Monitoring and Cyber Crime Investigations
28-30 MAY 2019 • CLARION CONGRESS HOTEL • PRAGUE, CZ

Where Law Enforcement, Government Intelligence Agencies and Financial Crime Investigators turn for Technical Training and Product Selection

Lead Sponsor

Exhibitors and Sponsors

113 LEA/Interior/DoD Training Sessions and Courses to Choose From
ISS World Europe is the world’s largest gathering of Regional Law Enforcement, Intelligence and Homeland Security Analysts, Telecoms as well as Financial Crime Investigators responsible for Cyber Defense, Electronic Surveillance and Intelligence Gathering.

ISS World Programs present the methodologies and tools for Law Enforcement, Public Safety, Government and Private Sector Intelligence Communities in the fight against drug trafficking, cyber money laundering, human trafficking, terrorism and other criminal activities conducted over today’s telecommunications network, the Internet and Social Media.

**ISS WORLD EUROPE 2019**

**Training Seminars Led by Law Enforcement Officers and Ph.D Scientists**

Advanced Hi-Tech Cyber Investigation Training Seminars Led by Law Enforcement Officers and Ph.D. Computer Scientists

32 classroom training hours, presented by sworn law enforcement officers, Ph.D. Computer Scientists and nationally recognized cybercrime textbook authors and instructors. Distinguished ISS World Training Instructors include:

- Charles Cohen, Cohen Training and Consulting, LLC, also holds the position of Captain, Office of Intelligence & Investigative Technologies, Indiana State Police, USA (6 classroom hours)
- Mark Bentley, Communications Data Expert, National Cyber Crime Law Enforcement, UK Police (7 classroom hours)
- Antonis Loughnane, CAMS, CFE, Loughnane Associates, LLC and retired 27-year US Federal Law Enforcement Officer (6 classroom hours)
- Jerry Lucas (Ph.D., Physics), President, TeleStrategies (4 classroom hours)
- Matthew Lucas (Ph.D., Computer Science), VP, TeleStrategies (3 classroom hours)
- Vladimir Vesely (Ph.D., Computer Science) Researcher, University of Technology (3 classroom hours)
- Andrew Lewman, VP, DarkOWL and Former Executive Director, The TOR Project (3 classroom hours)

**Tuesday, 28 May 2019**

**SEMINAR #1**

08:30-15:05 Online Social Media and Internet Investigations

- Presented by: Charles Cohen, Cohen Training and Consulting, LLC
- Charles Cohen also holds the position of Captain, Cyber Crimes Investigative Technologies Section, Indiana State Police, USA

08:30-09:20 The role of Online Social Media OSINT in Predicting and Interdicting Spree Killings: Case Studies and Analysis

09:25-10:15 OSINT and Criminal Investigations

10:35-11:25 Metadata Exploitation in Criminal Investigations

11:30-12:20 EXIF Tags and Geolocation of Devices for Investigations and Operational Security

13:20-14:10 Case Studies in Metadata Vulnerability Exploitation and Facial Recognition

14:15-15:05 What Investigators Need to Know about Emerging Technologies Used to Hide on the Internet

**SEMINAR #2**

08:30-15:05 Practitioners Guide to Internet Investigations

- Presented by: Mark Bentley, Communications Data Expert, National Cyber Crime Law Enforcement, UK Police
- The aim of this 1-day seminar is to take the attendees from the basics of understanding the Internet, how to find data, through to a full understanding of best practice of an Internet investigator, building their OSINT toolbox, and having awareness and knowledge of all the tools available to achieve this. It is aimed primarily at the investigator, delivered from the perspective of detective, to empower them to have the best methodology and tradecraft to profile and catch suspects.
- This is exclusively Law Enforcement only, as Practical examples, covert and investigative methodology and tradecraft will be given throughout the seminar.

08:30-09:20 The Internet, and how suspects leave a Digital Footprint. How the system works for us, as investigators

09:25-10:15 Recognizing Traffic Data and digital profiling via social networks and devices - digital shadows

10:35-11:25 WIFI, geolocation, and Mobile Data traces and tracking

11:30-12:20 Awareness of Emerging Technologies, Masking Tech and Tools, TOR and proxies

13:20-14:10 Advanced Techniques in Tracing Suspects, and lateral problem solving

14:15-15:05 Open Source Tools, resources and techniques - A walk through my free law enforcement open source tools site

To Review Complete Agenda or To Register, Go To WWW.ISSWORLDTRAINING.COM
SEMINAR #3
08:30-14:10
Concerns and Considerations in Financial Crime Investigations
• Presented by: Michael Loughnane, CAMS, CFE, Loughnane Associates, LLC
Mike is a former US Federal Law Enforcement Officer who specialized in complex fraud and cybercrime investigations and currently provides training to improve detection and investigations of fraud, money laundering and counter terror finance.

08:30-09:20
Criminal Essentials: The Needs of a Criminal Network
09:25-10:15
Financial Crime Schemes in Money Laundering
10:35-11:25
The Essentials of Trade Based Money Laundering
11:30-12:20
How Does Money Actually Move?
13:20-14:10
Follow the Money Beyond the Banks

SEMINAR #4
08:30-09:20
Understanding Mobile 2G/3G/4G Infrastructure and Lawful Intercept for Technical Investigators
• Presented by: Dr. Jerry Lucas, President, TeleStrategies
This session covers what technical investigators need to know about 2G/3G/4G infrastructure, SIM Cards, Authentication, CDR analysis, SS7 and more.

09:25-10:15
Understanding 5G Infrastructure, Planned Services, Security Weaknesses and Lawful Intercept Options for Technical Investigators
• Presented by: Dr. Jerry Lucas, President, TeleStrategies
This session is a technical introduction to 5G; New Radio, Massive MIMO, IoT services, SDN, NFV, Network Slicing and Cloud Service Support.

SEMINAR #5
09:25-10:15
Understanding 5G Infrastructure, Planned Services, Security Weaknesses and Lawful Intercept Options for Technical Investigators
• Presented by: Dr. Jerry Lucas, President, TeleStrategies
This session is a technical introduction to 5G; New Radio, Massive MIMO, IoT services, SDN, NFV, Network Slicing and Cloud Service Support.

SEMINAR #6
10:35-11:25
Understanding Cryptography used in Third Party Encryption Services, Bitcoin, Blockchain, TOR, DarkNets, 2G/3G/4G/5G and WiFi for Technical Investigators
• Presented by: Dr. Jerry Lucas, President, TeleStrategies

This session covers the basics of cryptography: Private-Public Keys (RSA, DH etc.), Symmetric-Keys, Hashing, Certificates and where they are deployed in Third Party Encrypted Services (Telegram, etc.), Cryptocurrencies and DarkNets.

SEMINAR #7
11:30-12:20
Cybercurrency 101: What Technical Investigators Need to Know about Bitcoin and Altcoin Transactions, Dark Web Commerce and Blockchain Analysis
• Presented by: Matthew Lucas (Ph.D, Computer Science), VP, TeleStrategies
This 101-training seminar is an introduction to Bitcoin, how the system is used to support criminal activities (e.g. Dark Web) and why technical investigators need to understand the basic Bitcoin transaction mechanism (Blockchain) to successfully defeat 21st century criminals and terrorist actions. Specifically, this introduction to Bitcoin for technical investigators tools like Wireshark and NetFox Detective. Participants will receive access to test-bed, which consists of real devices (and their traffic) including our 40Gbps interception probe storing TLS/SSL session keys and mirroring traffic on the monitoring interface.

SEMINAR #8
13:20-14:10
Investigation Techniques for Unmasking TOR Hidden Services and Other Dark Web Operations
• Presented by: Matthew Lucas (Ph.D, Computer Science), VP, TeleStrategies
TOR networks are notoriously effective at hiding the online identity of criminals, terrorists and others who are up to no good. The other side that receives less attention are TOR hidden services. These are services that leverage TOR’s anonymizing capabilities to mask the identity of criminally-hosted online services - forming the basis of just about all illegal gambling sites, drug markets, child exploitation material, firearm sales, terrorism propaganda, and more.

SEMINAR #9
14:15-15:05
Artificial Intelligence Technology: What Law Enforcement Needs to Know
• Presented by: Matthew Lucas (Ph.D, Computer Science), VP, TeleStrategies
Artificial intelligence and machine learning products are beginning to emerge in the law enforcement marketplace. But what exactly can they do, and how can they improve the effectiveness of LE?

SEMINAR #10
16:30-17:15
SSL/TLS Interception Workshop
• Presented by: Vladimir Vesely (Ph.D., Computer Science) Researcher, Brno University of Technology
The presentation introduces methods for decrypting TLS/SSL connections. The focus is on man-in-middle attack employing TLS/SSL proxy and other ways how to obtain session’s private keys. Speakers will demonstrate how to decrypt intercepted traffic using open-source

SEMINAR #11
08:30-12:15
Special Half Day DarkNet Seminar
• Andrew Lewman, Vice President, DarkOWL and Former Executive Director, The TOR Project
08:30-09:15
Indexing the dark net – how do you catalog and search something that is not meant to be easily scrubbed? What's possible?
09:15-10:00
Case studies / examples in dark net investigations - de-anonymizing examples / approaches / best practices / lessons learned.
11:30-12:15
Future directions - what's next in dark net infrastructure, dark markets and investigation implications
This one-hour session will explore the protection of weak points and future proofing banks against cyber-attacks.

SEMINAR #12
12:15-13:15
Understanding “Defeating Encryption” with Quantum Computing for Non-Engineers
• Presented by: Jerry Lucas, (Ph.D, Physics) President, TeleStrategies
This one hour, session is for cyber security executives and specialists who have the responsibility of assessing the lead time they have before deploying quantum safe cryptography solutions but don’t have a technical background. If you believe nation state security agencies are developing quantum computing to decrypt your past and future intercepted transmission sessions, this high-level webinar should be a must attend briefing.
And to do this you need to understand how a quantum computing circuit works when designed for the sole purpose of defeating public key encryption.

SEMINAR #13
12:15-13:15
Top 20 Open Source Tools (OSINT) Used in Cybercrime Investigations
• Presented by: Mark Bentley, Communications Data Expert, National Cyber Crime Law Enforcement, UK Police
ISS WORLD EUROPE 2019
CONFERENCE AGENDA

Wednesday, 29 May 2019
8:15-8:30
Welcoming Remarks
• Tatiana Lucas, ISS World Program Director, TeleStrategies

8:30-9:00
Top Ten Internet Challenges Facing Law Enforcement and the Government Intelligence Community and Who at ISS World Europe has Solutions
• Dr. Jerry Lucas, President, TeleStrategies

Track 1
Lawful Interception and Criminal Investigation Training
This track is for Telecom Operators and Law Enforcement/Intelligence/Defense Analysts who are responsible for specifying or developing lawful intercept network infrastructure.

Tuesday, 28 May 2019
08:30-09:20
Lawful Interception Challenges of Tomorrow
• Presented by Product Management, BAE Systems
15:25-17:20 SESSION A
ETSI/3GPP LI/RD Standards Update
• Alex Leadbeater, 3GPP SA3-LI and ETSI TC Cyber Chairman and Head of Global Obligations Future and Standards, BT Security
• Gerald McQuaid, ETSI TC LI Chairman and Special Requirements Advisor, Vodafone Group
• Carmine Rizzo, ETSI TC LI Technical Officer and 3GPP SA3LI Secretary, ETSI
15:25-16:15 SESSION B
The challenges 5G brings to cellular Security & Surveillance
• Nick Johnson, CTO & Head of PLM, IP Access
16:30-17:20 SESSION B
SSL/TLS Interception Workshop
• Vladimir Vesely (Ph.D., Computer Science) Researcher, Brno University of Technology

Wednesday, 29 May 2019
09:00-10:00 SESSION A
Current and Future Lawful Interception Challenges: Encryption, Network Function Virtualization, cloud Computing and More
• Alex Leadbeater, 3GPP SA3-LI and ETSI TC Cyber Chairman and Head of Global Obligations Future and Standards, BT Security
09:00-09:30 SESSION B
High Speed IP Logging
• Presented by Utimaco TS GmbH
09:30-10:00 SESSION B
Lawful surveillance in the digital age
• Presented by Hacking Team
13:00-13:45 Lawful interception in 5G Mobile Networks
• Presented by Utimaco TS GmbH
13:50-14:35 SESSION A
Bringing #1 Worldwide OEM solutions to market powered by Dell EMC
• Eyal Kaplan & Stephen Lernihan, DELL
15:40-16:25 VSAT interception with Carrier-in-Carrier (CIC) separation
• Presented by Rohde & Schwarz
16:30-17:15 Hunting Down Cryptocurrency Users
• Vladimir Vesely (Ph.D., Computer Science) Researcher, Brno University of Technology

Thursday, 30 May 2019
08:35-09:15 Overview of mobile phone monitoring
• Presented by Rohde & Schwarz
09:15-10:00 Navigating the Complexities of Communication Providers and Government Agencies for Legal Requests
• Presented by Yaana
12:15-13:00 Towards Fully Automated Infinitely Scalable and Maximally Effective Password Cracking of Encrypted Documents
• Vladimir Vesely (Ph.D., Computer Science) Researcher, Brno University of Technology

Track 2
LEA, Defense and Intelligence Analyst Product Demonstrations
This track is only open to Law Enforcement, Public Safety and Government Intelligence Community Attendees.

Tuesday, 28 May 2019
10:35-11:25 Cyber Solutions for The Fight Against Crime
• Presented by FinFisher
11:30-12:20 Strategic and Tactical Wi-Fi Surveillance
• Presented by FinFisher
13:20-14:10 Live Demo: Speech to Text and Speaker Identification
• Presented by ATIS
14:15-14:40 SESSION A
Deep neural networks double the accuracy of Phonexia Voice Biometrics
• Presented by Phonexia
14:15-15:05 SESSION B
Using Limited Investment Resources More Efficiently with Real-Time Traffic Analytics
• Presented by Rohde & Schwarz
14:15-15:05 Voice Biometrics and Speech Analytics deployments in real world scenarios
• Presented by Phonexia
• Presented by Vlatacom

Wednesday, 29 May 2019
09:00-9:30 Digital Toolbox: the investigator’s best friend
• Presented by AREA

09:30-10:00 Guess who is using THAT App in your Country. Metadata as IP Intelligence
• Presented by AREA
13:00-13:45 SESSION A
New Cutting-Edge Tools from Hacking Team
• Presented by Hacking Team
13:00-13:45 SESSION B
Advanced Tactical Interception and Data Extraction Vectors
• Presented by Merlinx
13:50-14:35 Live Demo: Automating forensic Speaker Recognition for Cyber Crime units
• Presented by Yaana
15:40-16:25 SESSION A
Real-Life practical IT Intelligence Operations
• Presented by FinFisher
15:40-16:25 SESSION B
Interactive C4I for police and intelligence agencies
• Presented by Advanced Systems

Thursday, 30 May 2019
09:15-10:00 Improve Investigation Agility with the Nutanix Enterprise Cloud
• Bryan Zissel, Major Federal Accounts, Nutanix
• Don Johnson, Senior Engineer, Nutanix
11:30-12:15 The Global Shift to Mobile Applications & The Intelligence Challenge
• Presented by Verint

Track 3
Social Network Monitoring, Artificial Intelligence and Analytics Product Training
This track is only open to Law Enforcement, Public Safety and Government Intelligence Community Attendees.

Tuesday, 28 May 2019
08:30-09:20 How to monitor Public Sentiment with a platform able to listen, analyze and react to propaganda campaigns on Social Media
• Presented by IPS
09:25-10:15 The Pieces Fit: solving the intelligence puzzle with Multisource Fusion
• Presented by WebintPro
10:35-11:25 Language Technology Solutions for Big Data Analytics & Intelligence. How to understand your target in any language
• Presented by SDL
11:30-12:00 AI and network analysis to find out SIMbox fraud at national scale
• Presented by Suneris
Wednesday, 29 May 2019

09:00-09:30  SESSION A
Enriching Target’s Profiles with OSINT data
• Presented by Trovicor

09:00-10:00  SESSION B
Artificial Intelligence for National Security
• Udi Levy, CEO, Cobwebs Technologies

09:30-10:00  SESSION A
Money Laundry Use Case: Banking Data Analysis
• Presented by Trovicor

10:00-10:30  SESSION C
Threat intelligence Gathering and Cyber Security Product Training
This track is only open to Law Enforcement, Public Safety and Government Intelligence Community Attendees

13:00-13:45  SESSION A
Generating holistic intelligence by blendingWEBINT with other data sources
• Presented by S2T

13:00-13:45  SESSION B
Using AI and Machine Learning Techniques to detect threats and anomalies in mass IP data. A discussion with use cases on sophisticated rule based systems
• Presented by Vehere

13:00-13:45  SESSION C
Different Intelligence Sources (OSINT, Dark Web, SIGINT, HUMINT) combined under a single analytical platform – Gamma’s innovative approach
• Presented by Gamma Group

13:50-14:35  SESSION B
AI-based Language Technology Solutions to Handle Multi-language OSINT & COMINT
• Emmanuel Tonneller, Director, Intelligence Solutions, SYSTRAN

13:50-14:35  SESSION A
Cellebrite Analytics, Harness the Power of Digital Data
• Presented by Cellebrite

15:40-16:25  SESSION A
Unlocking the full potential of speech technologies to transform OSINT and COMINT
• Presented by Vocabia

16:30-17:15  SESSION A
IBM products for Social Media Mining and Analysis
• Presented by DATERA s.r.o

16:30-17:15  SESSION B
Artificial Intelligence for National Security
• Udi Levy, CEO, Cobwebs Technologies

Thursday, 30 May 2019

09:00-09:30  SESSION C
Enriching Target’s Profiles with OSINT data
• Presented by Trovicor

09:15-10:00  SESSION A
Next Generation Monitoring Center – Discover your suspect unlike ever before
• Presented by ClearTrail Technologies

12:15-13:15  SESSION A
Lawful interception in 2019. VoLTE and encrypted services like Facebook, WhatsApp and Telegram. How Social Media Intelligence benefits investigators in a holistic vision
• Presented by IPS

12:15-13:15  SESSION B
Top 20 Open Source Tools (OSINT) Used in Cybercrime Investigations
• Mark Bentley, Communications Data Expert, National Cyber Crime Law Enforcement, UK Police

Track 4

Threat intelligence Gathering and Cyber Security Product Training
This track is only open to Law Enforcement, Public Safety and Government Intelligence Community Attendees

Tuesday, 28 May 2019

10:35-11:25  SESSION A
The Matrix Concept – Combining forward-thinking intelligence tools and proven workflows to assemble a coherent intelligence picture (LIVE DEMO)
• Presented by Rayzone Group

11:30-11:55  SESSION A
Unmasking the Real Identities of Cyber Adversaries
Employing intelligence methodologies to unmask criminals who use fake online identities and avatars
• Presented by Verint

11:30-12:20  SESSION B
The Power of Place: How Location Intelligence Reveals Opportunity to Identify and Influence The People
• Presented by Bler

Wednesday, 29 May 2019

15:25-16:15  SESSION B
Router based interception – redefining remote monitoring by infiltrating targeted LAN networks (LIVE DEMO)
• Presented by Rayzone Group

Thursday, 30 May 2019

08:30-09:15  SESSION B
Worldwide Virtual SIGINT – monitoring digital footprint in order to anticipate and prevent evolving threats (LIVE DEMO)
• Presented by Rayzone Group

Track 5

Investigating DarkWeb, Bitcoin, Altcoin and Blockchain Transaction
This track is for law enforcement and private enterprise investigators who have to monitor and investigate the DarkNet along with Bitcoin transactions associated with criminal activities

Tuesday, 28 May 2019

15:25-16:15  SESSION B
Offline Darknet web-crawling with the Web–1-Gube
• Presented by mh-Service GmbH

Wednesday, 29 May 2019

13:50-14:35  SESSION A
Closing the Loop- Combining Apps & Cloud Interception with DarkNet Intelligences
• Presented by MAGEN

15:40-16:25  SESSION B
Profile, target and investigate the Darknet. Reinventing traditional HUMINT in the Digital Era
• Presented by AREA

Thursday, 30 May 2019

08:30-09:15  SESSION B
Indexing the dark net – how do you catalog and search something that is not meant to be easily scrubbed? What’s possible?
• Andrew Lewman, Vice President, DarkOWL and Former Executive Director, The TOR Project
09:15-10:00
Case studies / examples in dark net investigations – de-anonymizing examples / approaches / best practices / lessons learned.
• Andrew Lewman, Vice President, DarkOWL and Former Executive Director, The TOR Project

09:15-10:00
Profile, target and investigate the Darknet. Reinventing traditional HUMINT in the Digital Era
• Andrew Lewman, Vice President, DarkOWL and Former Executive Director, The TOR Project

11:20-12:15
Future directions - what’s next in dark net infrastructure, dark markets and investigation implications
• Andrew Lewman, Vice President, DarkOWL and Former Executive Director, The TOR Project

12:15-13:00
The Real Dark Web
Overview of the Dark Web and the differences between the Dark Web, the Darknet and Anonymous Networks
• Presented by Verint

Mobile Signal Intercept Product Training and Demonstrations
This track is for Law Enforcement, Interior Security and the Government Intelligence Community who must work with cellular and mobile satellite operators regarding mobile location, electronic surveillance and RF intercept.
This track is only open to Law Enforcement, Public Safety and Government Intelligence Community Attendees.

Tuesday, 28 May 2019
10:35-11:25
VSAT Networks: Tactical and Strategic Threat Detection and Geolocation
• Presented by Kratos

14:15-15:05
Practical and creative example of modifying Android OS by HEX editing system files, and hacking regular applications to achieve surveillance.
• Denis Cuculi, CEO ex. Head of Technical Department, PRO4SEC

16:20-17:20
Distibuted IMSI Catching & Private networks
• Nick Johnson, CTO & Head of PLM, IP Access

Wednesday, 29 May 2019
09:00-10:00
SESSION A
IMSI Catcher with Public Number Detection. 2G/3G/4G Interception
• Presented by NeoSoft

09:00-10:00
SESSION B
Unleashing the Power of WiFi: end-to-end approach to WiFi Intelligence
• Presented by WiSpear

13:00-13:45
SESSION A
Tactical Wi-Fi interception – Identify, Acquire, Intercept
• Presented by Jenovice

13:00-13:45
SESSION B
Sharing of best practices from an active deployment of LI in the NFV environment
• Matt Benford, BAE Systems

15:40-16:25
What is 5G – Technology Overview
• Presented by EXFO Homeland Security

Thursday, 30 May 2019
08:30-09:15
Digital forensic and investigation of WLAN networks – methods, tools and services
• Presented by S.E.A. Datentechnik GmbH

09:15-10:00
How new technologies, like 5G, change the lawful interception landscape
• Presented by Group 2000

Track 7
Electronic Surveillance Training and Product Demonstrations
This track is for law enforcement investigators and the government intelligence community who are responsible for deploying video, audio and GPS surveillance products
This track is only open to Law Enforcement, Public Safety and Government Intelligence Community Attendees.

Tuesday, 28 May 2019
15:25-16:15
Discover how a unified platform connected to all MNOS for GSM retrieving and GPS from Beacons
• Presented by Deveryware

Wednesday, 29 May 2019
13:00-13:45
A new intelligent approach for covert video recording and streaming
• Presented by Pro4Tech

15:40-16:25
Covert Miniature Surveillance.
• Presented by Covidence
cleartrail technologies is a leading provider of communication cyber crime. operations, including homicides, gangs, drugs, child exploitation and menaces to citizen's security and prevent digital attacks.

area, is the italian leading technology industry and provider of unconventional communication and ip info-intelligence solutions. area provides an "end to end" dual use info-intelligence cc for hls/hld scenarios; satisfying government agencies' need to securely and effectively gather precious information to contrast menaces to citizen's security and prevent digital attacks.

ati is a german, private held company offering first-class complete solutions for legal interception, mediation, data retention, and it forensics. belonging to the world leaders in technology in this field, we have been developing high performance systems for over 70 years. clients all over the world have placed their trust in our high-quality standards, our innovative technologies, and our absolute reliability.

bae systems help nations, governments and businesses around the world defend themselves against cybercrime, reduce their risk in the connected world, comply with regulation, and transform their operations. we do this using our unique set of solutions, systems, experience and processes - often collecting and analysing huge volumes of data.

bler develops innovative security and cyber intelligence solutions to identify threats and meet mission-critical operational needs. our customers include enterprise organizations, financial institutions, leas and government agencies. our intelligence-driven, big data platform collects information from the widest range of sources and used to conduct business intelligence, criminal and terror investigations.

since entering the mobile forensics space in 2007, customers have deployed more than 60,000 ufed licenses globally in 150 countries, making cellebrite the market share leader in mobile forensic worldwide. we continually respond to the evolution of digital data and its increasing relevance to a wider range of investigations and operations, including homicides, gangs, drugs, child exploitation and cyber crime.

cleartrail technologies is a leading provider of communication analytics solutions that derives intelligence from data unlike ever before. as the threat landscape is changing rapidly, conventional monitoring approaches are getting obsolete and government agencies & enterprises need a new way of monitoring and analysing the communication networks. cleartrail has come up with path breaking solutions that are designed to analyse even dark communication in massive data sets and connect the dots to create a single view of "person of interest". our solutions are designed to transform the investigation paradigm from reactive to proactive, empowering our clients to perceive emerging threats & reveal the potential suspects behind it.

cobwebs technologies is a worldwide leader in web intelligence. our innovative solutions are tailored to operational needs of national security agencies and the private sector identifying threats with just one click. cobwebs provides a leading ai-powered, user-friendly search engine for deep, automated web investigations. extract critical, intelligent insights with ease and efficiency from numerous internet sources.

dell emc oem is for the futurists. we help innovators rapidly turn their ideas into market-ready solutions, and take them to the world. by powering your solution with dell emc platforms, backed by the strength of our global supply chain, you can innovate faster and scale smarter.

as an expert in real time geolocation, deveryware supports national security by providing law enforcement and the security services with the geolocation tools they need for undertaking investigations and detecting and preventing threats. its capacity to innovate and its historic knowledge of the security market are just some of its strengths that have made it a trusted partner, recognized by a number of major players such as the french interior and justice ministries.

ebit systems ltd. is an international high technology company engaged in a wide range of defense, homeland security and commercial programs throughout the world. the company, which includes elbit systems and its subsidiaries, operates in the areas of aerospace, land and naval systems, command, control, communications, computers, intelligence surveillance and reconnaissance ("c4isr"), unmanned aircraft systems, advanced electro-optics, electro-optic space systems, ew suites, signal intelligence systems, data links and communications systems, radars and cyber-based systems. the company also focuses on the upgrading of existing platforms, developing new technologies for defense, homeland security and commercial applications and providing a range of support services, including training and simulation systems.

feedback italia specializes in designing and developing cyber security solutions and systems. focusing on developing pioneering audio and video communication solutions from its early establishment, feedback italia has been increasingly committed to implement an unprecedented level of communication security. the company r&d department never stops the pursuit for the state-of-the-art encryption technology, to offer devices, software, and services, all working together to keep leading global businesses and governments safe and secure.

finfisher solutions help government law enforcement and intelligence agencies to identify, locate and convict serious criminals. with innovative products, tailor-made solutions and end-to-end services finfisher closes the gap in traditional investigative methods. its portfolio allows governments to gain access to protected, offline information and relevant web-based communication channels.

gamma group is an international manufacturer of surveillance & monitoring systems with technical and sales offices in europe, asia, the middle east and africa. we provide advanced technical surveillance, monitoring and media mining/osint solutions, advanced government training, as well as international consultancy to national and state intelligence departments and law enforcement agencies.

hacking team provides the world's premier offensive technology helping law enforcement stop crime and terrorism. circumventing universal end-to-end encryption, ht technology gives government agencies the ability to read and hear communications of suspects and examine the contents of endpoint devices, all without protection systems being able to detect the investigation in progress. the system fulfills leas and security agencies highest expectations.

associate lead sponsors

3i-mind is the pioneer in a new category of technology that leverages open source web data, operational know-how, and human intuition to dramatically advance the value of intelligence and insights. our customers and partners include the world's most demanding governments and security organizations, urban authorities, and law enforcement agencies. we apply ground-breaking technologies, machine learning, modeling, and decision-support solutions across our proprietary framework – making it simple to acquire real-time and comprehensive knowledge, even in the most complex environments.

advanced systems is a provider in comint solutions; advanced systems provide lawful interception system for voice and ip. we are specialized in handling very big data streams (several 100gbit/s), being able to retrieve any interesting information thanks to our embedded "analytics intelligence" and our intelligent data retention system. advanced systems can provide also massive passive gsm off the air interception system.

aqsacom is a global leader in telecommunications security solutions, providing real-time lawful interception, data retention, mobility tracking and surveillance solutions. aqacom's core business focuses upon end-to-end, turnkey systems for fulfilling lawful interception requirements and specializes in work involving highly heterogeneous networking and service environments. aqacom's diverse customer portfolio includes clients from more than 35 countries spanning 5 continents. regional offices are located in paris, dubai, hyderabad, melbourne, floridianapolis, and new york city.

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IPS is an Italian high-tech company with 30 years’ experience in the design and delivery of solutions for Communication Monitoring and Analysis. IPS solutions are specifically designed for Homeland Security Departments and Intelligence Agencies that need to intercept, collect and deep analyze heterogeneous data such as phone calls, internet traffic, data coming from electronic surveillance devices and third parties data sets. The IPS monitoring platforms are used today in around 20 countries in 4 continents: Europe, Latin America, Africa and Asia.

JENOVICE was established by the CEO of the company, a former head of intelligence and investigations of a government services. The vision was to provide tactical solutions in the field of Offensive Cyber Security. The VP R&D of the company is an ex-special-ops combat soldier with experience in tactical operations and 10 years of experience in IT, software engineering and research.

Our intelligence solution is based on smartphone interception. Today, smartphones are the most valuable source of data. Smartphones are involved in every aspect of people’s life. Whatever they do, wherever they go, whatever they speak to, the smartphone knows it all. We also build a full profile of your target by gathering all the pieces of the puzzle from a variety of sources. Intelligence is gathered through one stand-alone unit aimed at a nearby target.

Established by a group of elite intelligence and operations professionals, Merlinx has developed groundbreaking intelligence acquisition solutions. Merlinx enables operators to be in the right place at the right time, in order to identify and acquire critical cyber intelligence. Merlinx is a privately held company specializing in tailor-made innovative active cyber intelligence solutions.

NeoSoft is an independent Swiss company with more than 20 years of expertise in the field providing high quality mobile communication products including: GSM/AIS/UMTS/LTE IMSI catcher with Public Number detection, GSM/UMTS/LTE Activity Reporting, GSM Passive Monitoring with A5/3 support, Wi-Fi Monitoring supporting 2.4 GHz and 5 GHz, IMSI catcher detection, Wi-Fi Monitoring detection, Selective Wi-Fi Jamming and "Synchronous Transmission" solutions geared to manipulate cellular networks key parameters. In addition we pioneer a line of counter interception equipment designed to detect, locate and sabotage active interception systems in the near vicinity.

Rayzone Group is a developer and provider of cyber and intelligence solutions for intelligence and law enforcement agencies worldwide, based on comprehensive methodology, which provides cutting edge intelligence gathering and analysis capabilities. Rayzone’s suite of systems include sophisticated gathering and analysis solutions to some of the most pressing challenges that government agencies face today.

RCS provides highly scalable, secure and comprehensive lawful interception and digital surveillance systems to approved Governments and Agencies enabling them to digitally collect and see a deep and rich intelligence picture of their persons of interest and to visualise their timings, intentions and capabilities. Collection – Decoding – Processing – Correlation – Analysis.

For more than 80 years, Rohde & Schwarz has stood for quality, precision and innovation in all fields of wireless communications. The group relies on its expertise based on 20 years of experience in IT and network security. All Rohde & Schwarz development, sales and service activities focus on the customer.

SIO S.P.A., established in 1992, is the leading Italian developer and supplier of innovative solutions for surveillance and interception with field-proven technology deployed in over 80 locations throughout Italy and globally. SIO has been providing governments with extremely reliable intelligence for decades, with its proprietary INTEGRA solution and tactical capabilities, supporting a wide range of investigative and intelligence needs.

S2T provides big data solutions to support making sense of large volumes of information. Our GoldenSpear solutions enhance the capabilities of organisations for analysing in-text and cyber collection, collation, analysis and generating insights and reports. These solutions leverage powerful collection capabilities spanning web sites, social media networks, darknet and end-user devices and harness big data analytics, machine learning, and powerful visualisation tools.

Septio Communications is a leading provider of operational and intelligence solutions for handling the challenges of the cellular world. Used by some of the world’s elite law enforcement and intelligence agencies, as well as defense organizations, Septio’s systems have “burst” into the world of cellular communication and the cyber environment.

The French company SUNERIS develops monitoring and control solutions for telecom networks. Our systems are used by government entities to comply with telecom regulations and support civil safety missions: people rescue, anti-terrorism, border surveillance. The modularity, reliability and futility of our solutions allow to fit your operational needs.

trovicro is a world leader in intelligence technology, providing end-to-end monitoring and intelligence solutions to more than 35 governments across the globe. With 20+ years’ experience of collaborating with governments worldwide, trovicro’s solutions are a powerful tool proven to help governments protect their citizens against the threat of criminal activity and safeguard national security. With these tools, we help criminal investigators detect traces of criminal activity, identify suspects and transform this intelligence into reliable and accurate evidence to be used in court.

Ultra Information Solutions is a global leading expert in target-centric intelligence. Ultra’s innovative technology is capable of identifying a Target’s Digital Footprint Directly or via Mass Monitoring on a single carrier generating unique and valuable insights that offer a critical advantage in an era of globalisation, connectivity and anonymity.

Since 1994 Utimaco has been developing lawful interception and data retention systems for telecom operators and Internet service providers. Utimaco enables real-time monitoring and long term data retention in public telecommunication networks. The systems interface with essentially all common network technologies and communications services. Utimaco is the preferred partner of many of the world’s leading network equipment manufacturers. With around 300 installations in over 90 countries, Utimaco is a leading global supplier in the Lawful Interception and Data Retention market. Utimaco participates in the ITU standardization and supports international standardization institutes and telecom associations, such as, ETSI, 3GPP, ANSI/ATIS, GSMA and Bittkom.

Vehere is a global technology company that is transforming Homeland and Cyber Security with its cutting-edge solutions for Data Acquisition & Analysis of Communication originating from and via Satellite, GSM and Fiber Optic Channels. For more than a decade, Vehere’s solutions have empowered decision makers in Government Agencies, Intelligence, Homeland and Cyber Security with its cutting-edge solutions for mission-critical insights enabling them to anticipate, apprehend, and stop perpetrators in their tracks. Offices: Washington D.C., Cape Town, Singapore, New Delhi, Kolkata

Verint is a leading global provider of security and intelligence solutions for data mining and analytics. We leverage our deep domain expertise to create solutions that prevent and neutralize terror, crime and cyber-attacks. Our broad Intelligence-Powered Security™ portfolio empowers security organizations with crucial insights that enable them to take action against evolving threats.

VLATACOM INSTITUTE is a professional partner for Government security in the following technical fields: Secure information and communication technology, Border control, Applied mathematics and electronics with cryptography features, Intelligent signal processing etc. For past two decades we are among leading Serbian manufacturers and system integrator companies recognized world-wide.

Wintego’s core expertise is in developing cyber intelligence solutions for government, law enforcement, military, and intelligence agencies. The company’s multi-disciplinary team of highly experienced cyber professionals is focused exclusively on providing advanced cyber solutions that address the needs of the real world, today and in the long term. Over the past years, Wintego’s solutions have been deployed by numerous government agencies around the globe.

WiSpear provides end-to-end WiFi surveillance solutions for the intelligence, homeland security and public safety markets. WiSpear’s products are based on a disruptive long range, directional, beamforming WiFi technology, and on unique and leading SW applications.

Yaana Technologies is a leading global provider of Intelligent Compliance Solutions with accurate data retention, sophisticated security, and unique analytical capabilities. Our solutions offer our customers a cost-effective path to address the complexities related to meeting compliance needs in the rapidly evolving information-communications and cloud markets worldwide.