TruePos/tion®

THE LOCATION SPECIALISTS

TRUEPOSITION LOCINT®

Mobile phones have become the standard communication method across the globe. Unfortunately, mobility has also made it easier for criminals and terrorists to plan, coordinate and execute attacks on persons or property.

TruePosition wireless location and intelligence solutions include sophisticated capabilities to counteract the modern criminal, helping to protect lives and enhance safety. TruePosition solutions help:

- Bolster national security
- Enhance public safety
- Suppress crime and terrorism

TRUEPOSITION'S LOCATION INTELLIGENCE PLATFORM

At the core of TruePosition's solutions is the TruePosition® LOCINT® mobile location and intelligence platform. The LOCINT platform enables law enforcement, intelligence, public safety or national defense agencies to protect citizens and suppress crime through two primary subsystems:

- The **TruePosition® Location Platform™ (TPLP)**, which locates mobile devices on GSM, UMTS, CDMA and LTE networks

- The **TruePosition® Location Intelligence Management System™ (LIMS)**, which provides analytical and surveillance capabilities

Add-on systems and solutions are integrated into the core solution to provide additional functionality as needed.

ADD-ON SOLUTIONS

- Intelligence Applications
- Off-Air Devices
- Tactical Systems
- Angle of Arrival (AOA) Sensors
- C4IS
- Enhanced Mapping
- PSAP Software
- Location Information Server (LIS)

INDUSTRY-LEADING LOCATION CAPABILITIES

The TruePosition Location Platform (TPLP) locates mobile phones and devices via a suite of location technologies that can be deployed individually or in combination to provide the optimal solution for the customer's needs and budget.

Supported location methods include:

High accuracy – Uplink Time Difference of Arrival (U-TDOA) or Assisted Global Positioning System (A-GPS)

Medium accuracy – Enhanced Cell ID (ECID) or Enhanced Cell ID+

Low accuracy – Cell ID (CGI) or CGI plus Timing Advance (CGI+TA)

TruePosition's location system has been refined over more than 10 years of large-scale deployments. No other system can claim the footprint or volume of locations processed. Technological advantages include:

Yield · Latency · Throughput · System uptime · Accuracy

Law Enforcement or Public Safety officials can use the system to:

- Locate distressed callers who cannot provide their location
- Find the current or last known location of missing persons
- Actively track known or suspected criminals
- Trace other criminal mobile activities such as threatening calls or text messages
- Locate ransom calls made via mobile phone

DEPLOYMENT OPTIONS

NETWORK EMBEDDED	NETWORK INDEPENDENT	HYBRID
Components installed into the network of the wireless operator(s)	Stand-alone location measurement and network monitoring components utilized	Combination of embedded and independent options
Cost and reach advantages	Advantages in security and mobility	

ROBUST LOCATION INTELLIGENCE FEATURES

The LOCINT solution's intelligence capabilities are provided through the TruePosition Location Intelligence Management System (LIMS). The LIMS platform collects mobile network data and location information, enables advanced analysis, tracks designated mobile devices in real time, and issues alerts when security is threatened.

LIMS functionality includes:

INTELLIGENCE

- Collect and archive network activity and location information
- Analyze archived data through sophisticated data retrieval and analysis techniques
- Build detailed profiles of targets' locations, movements, and behaviors to determine patterns and relationships

SURVEILLANCE

- Track targets with high accuracy, in real time, in all conditions
- Collect and archive location data for all phones using medium-accuracy location technology

GEOFENCING

- Create virtual perimeters (geo-fences) to protect sensitive areas such as borders, government buildings, energy facilities, transportation hubs, event sites, and other critical infrastructure
- Receive alerts when devices meeting certain criteria approach or cross a geo-fence

Intelligence and Security authorities can use the system to:

- Analyze data from past criminal or terrorist events to construct a suspect list
- Actively track and receive alerts on known criminals
- Uncover criminal networks by linking mobile and location-related activities
- Determine locations frequented by criminals
- Determine routes of entry employed by illegal border crossers

BENEFITS

The TruePosition LOCINT platform is unique in its ability to:

- Locate all mobile devices, including local subscribers and roamers, regardless of the make, model, or vintage.
- Provide consistent performance over time without extensive recalibration.
- Locate mobile devices anywhere including rural, suburban, and urban environments; indoors, underground and in urban canyons.
- Provide robust location intelligence capabilities via an integrated platform.
- Combine with existing systems or efforts to form an effective layered national defense or public safety strategy.

ARCHIVE AND SEARCH BASED ON:

- Digits dialed by the target phone
- Numbers that called the target phone
- Any subscriber identity including IMSI, IMEI, or MSISDN
- Mobiles in idle state
- Previous locations of the target phone
- Surveillance over wide areas
- Proximity to known locations, events, or persons

THE LOCINT SOLUTION IS THE ONLY INTEGRATED LOCATION AND INTELLIGENCE PLATFORM THAT PROVIDES AN UPGRADE PATH TO TRUEPOSITION'S INDUSTRY-LEADING U-TDOA TECHNOLOGY.

ABOUT TRUEPOSITION, THE LOCATION SPECIALISTS

TruePosition creates mobile geo-location solutions to protect lives and enhance safety. TruePosition solutions combine location with intelligence to:

- Bolster national security
- Enhance public safety
- Suppress crime and terrorism

Since 1992, TruePosition's single focus has been designing and deploying high-performance safety and security-related mobile location solutions. TruePosition has gained unmatched real-world experience through our nationwide public safety location technology footprint in the U.S., and our multiple international security deployments. TruePosition provides a full complement of services to support our technology and solution portfolio including design, deployment, integration and ongoing support.

RELIABLE, ROBUST SOLUTIONS

TruePosition designs custom solutions for the specific needs and budget of our customers. TruePosition solutions are:

RELIABLE – with redundant subsystems and expert support, system uptime exceeds industry standards

SECURE – built with safeguards against external intrusion

COVERT – all sensitive information is contained within a central, secured location

SCALABLE – able to support large or small deployments with varying degrees of performance and autonomy

ROBUST – performance, features and capabilities exceed those of competing solutions

MODULAR – integrates with law enforcement, intelligence, or public safety systems

COMPREHENSIVE – with scalable location accuracy and an integrated intelligence platform

TP SOLUTION FEATURES

COLLECT
- All mobile activities and location information

ANALYZE
- Filter and extract data based on multiple date, network event, or location-based criteria

TRACK
- In real time
- When phones are idle
- Anonymously, without alerting those being tracked
- Issue alerts as suspects approach or cross geo-fences

TruePosition®