

iLocator

Enabling Location Based Emergency Response

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PertSol is a leading Telecom and IT solution provider for Telecom/
Internet Service Providers, Government and Law Enforcement Agencies
providing explicit offering of capabilities starting with specialized solutions,
customized software applications, professional and project management services
with dedicated cross functional agile teams.

Our solutions have been shaped by our deep domain knowledge,
built by harnessing our strength in next generation technologies across
Telecom Regulatory Compliance Management, Telecom Core Network,
Emergency Response System, Big Data Analytics & Internet of Things (IoT).
Backed by our superior delivery experience with a key focus on quality.

9+ YEARS OF
OPERATIONS

60+ R&D
EXPERTS

25+ FUTURE READY
SOLUTIONS

60+ PROJECTS
DELIVERED

65+ HAPPY
CLIENTS

23+ LOCATIONS
WORLDWIDE

NEED OF LBS

For Emergency Services

In emergency situations establishing an accurate location of the people in distress is quite an essential aspect of an effective and prompt rescue plan. If the location of the distress caller is not available to the call taker or dispatch team, it leads to a delay in providing an effective support & response to the distressed caller. It has been observed across the globe that distress callers while making calls to emergency services are in a state of shock and are not always in a lucid state to respond to the operator's questions. Therefore, most emergency services throughout the world try to keep these questions to the minimum. In such scenarios, knowing a person's location not only reduces the time taken to gather the caller's information but also gives an assurance to the caller that **HELP IS ON ITS WAY!**



Criminal Activity



Medical Emergency



Road Accident



Natural Disaster

PertSol understands the importance of public safety and has conceptualized a Location Enabled Emergency Service Solution that provides Government Agencies and other Emergency Services an instant and accurate location retrieval capability to serve the people at the right time.

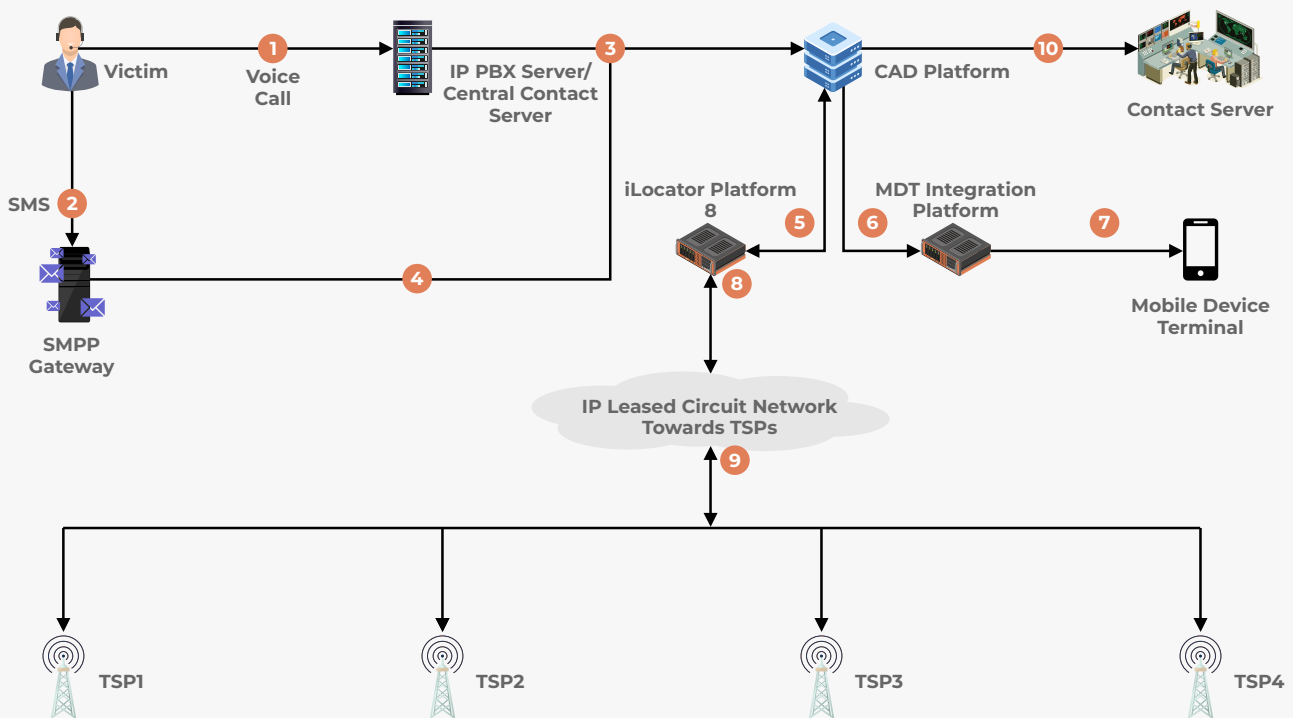
PertSol is one of the leading companies in the world which specializes in providing a Location Intelligence Platform for Emergency Services (iLocator) through Telecom Network regardless of subscriber handset and network type. PertSol's Location Intelligence platform has been built with the core purpose of improving effectiveness and efficiency of tracking the location of callers to enable faster and timely response. This makes a solution like iLocator a paramount significance to emergency service providers like police, medical, fire, and disaster rescue teams.

PERTSOL iLOCATOR

Location Intelligence Platform

iLocator is an ultramodern Location Intelligence Platform, designed and developed to cover all location tracking needs of Law Enforcement Agencies, Emergency Response Teams and other National Security Agencies. iLocator was developed after deep understanding of the gaps and limitation of existing LBS platforms and needs of various users and subscribers for the system. iLocator helps to capture the distress callers locations regardless of their handset model (Smart phone or Feature phone), telecom network type (GSM, CDMA, GPRS, 3G, 4G/LTE, 5G, voice only) and telecom infrastructure (GMLC or no-GMLC).

It is capable of integrating with all telecom networks and provides a highly accurate location of distress callers in both urban and rural areas. It also reduces the time to take a call, considering majority of call taker's time goes in pin-pointing location of distress caller. Moreover, it also removes the chance of human error as it does not depend upon the call taker's knowledge of the area to pinpoint the location.



- 1 Voice call received from victim
- 2 SMS message from victim
- 3 Interface with central contact center for location request
- 4 Interface with SMPP gateway for location request
- 5 Interface with trouble ticketing platform/CAD & call center to provide location information for each request automated
- 6 Interface with MDT integration platform (provided by us) which integrate with app on MDT to send location information for the ticket & also provide real-time location Information
- 7 Interface with MDT to send data to MDT on field, track MDT in real-time
- 8 Ss7 and IP interface towards TSPs
- 9 Interface to provide GMLC integration, SDR integration, HLR queries
- 10 Interface from central contact center to contact center terminals

The platform offers automated nearest dispatch vehicle identification with optimal route determination of dispatch vehicle to distress caller location on map, hence allowing the response team to reach the distressed citizen in the shortest possible time. Furthermore, the system is designed to help identify hoax calls thus enabling utilization of resources for right cause. iLocator can also be Integrated with Apple & Google's Advanced Mobile Location service to further enhance the location accuracy.

iLOCATOR

HOSTED GMLC

In the absence of GMLC at TSP end, PertSol proposes its hosted GMLC solution which queries the TSP's network and locate the caller. It is an independent server which is integrated with the TSPs network over a secured communication channel to query its network to generate location of the distressed caller. It can be implemented either at TSP premise or at end of Emergency Service Provider.

DID YOU KNOW?

PertSol is the first company to implement Location Intelligence solution for Emergency Services in India. Our Team has successfully implemented iLocator in PAN India Emergency Services projects such as UP100, MP-DIAL100, CG112, Mumbai100, MERS112 etc. and the same is running live, detecting location of callers instantaneously.

KEY FEATURES

Solution With Excellent Capabilities



Provide location information for every victim



Closely integrated with all major CAD platform



Support integration with all major Network Element vendors



Integrated security mechanism

LBS for Emergency Services

Ensures victims Location information of every prospect

Identify location from calls, SMS, registered IoT devices

Support continuous location tracking of victim

Detect location from SDR and CDR

Detect location in the absence of LBS platform at operator's

Perfect Integration with CAD platform

Location of distress caller in 5-15 seconds from arrival of call

Pass information such as current location, his name, address etc.

Provide coordinates of the address of the landline callers

End-to-end Integration with Telecom Network

Integration with MNP Database and SDR Database

Support integration with network elements of all major vendors

Integration with GMLC and Signalling Network of Telecom Service Provider

Integrated Security Mechanism

Mechanism to log every request & maintain complete audit trail

Only authorised systems and users will be allowed to query

iLOCATOR BENEFITS

Solution Offering Multiple Benefits

- 1** **Minimization** of number of contact center seats
- 2** **Reduced** time to take call
- 3** **Support in identification** of hoax calls & provide call trend analysis
- 4** **Fewer dependencies** on TSPs for Location & SDR information
- 5** **Enhanced Location accuracy** between 20 meters to 100 meters
- 6** **Enabled Geo-fencing** is added advantage

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