



GeoSuite

Location Intelligence
for every need.



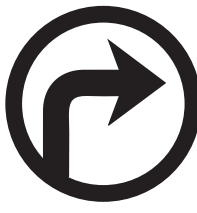
Location



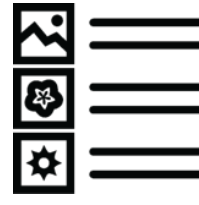
Search



Maps



Navigation



Content



Tracking



Trusted
Location

The Location Studio™ GeoSuite is the core technology suite in Location Studio. GeoSuite provides the fundamental technologies for any location intelligent application - including search, enhanced content, maps, navigation, trusted location, geo-fencing and tracking in a series of SDKs designed to make it easy for enterprises to integrate location intelligence into the applications. The GeoSuite services and content are both relevant and available on a worldwide basis. The GeoSuite services can be used to enable a large variety of applications ranging from search and navigation, to fleet management, fraud management for financial applications, asset tracking, workforce and family locator applications along with IoT applications. GeoSuite is not a single SDK, but rather a series of related SDKs. Starting with our Maps SDK, you can display industry leading 3D maps with data from all the major map data vendors. Our Search SDK provides a powerful, single box search engine with features user are familiar with from Internet search engines. We provide additional layers of enhanced content not found on competitive mobile map and navigation platforms. Our navigation SDK provides features not found in other navigation platforms such as natural guidance, lane information and more. The Trusted Location SDK is an offering unique to Location Studio, allow applications that rely on the accuracy of a mobile's actual location to allow or deny financial transactions. And finally our powerful GeoTracking SDK allows you to build powerful fleet, asset, workforce and family locator applications.

Industry Leading Maps

The Location Studio Map SDK supports map data from all major vendors - Here, Open Street Map and TomTom. We offer a level of map customization not available from other map providers - including the ability to change background color, road textures, building shading and more. As a developer, you can now truly differentiate the look and feel of your map and navigation experience with the GeoSuite Map SDK from Location Studio.

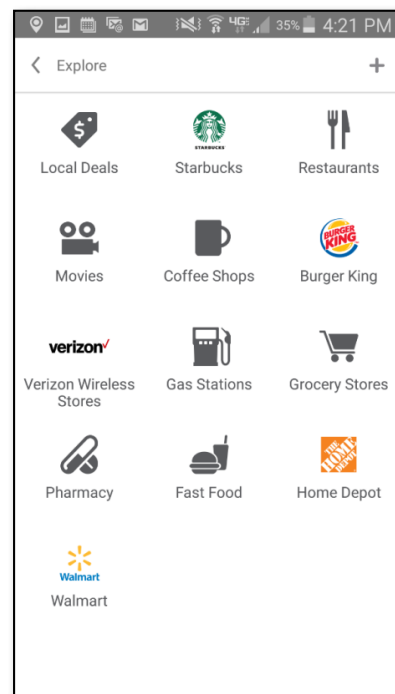


Navigation

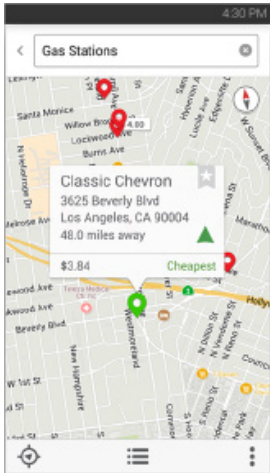
The Location Studio Navigation SDK provides a first class, turn-by-turn navigation experience for the user. Features include routing based on real-time traffic information, a choice of multiple routes where possible, and natural guidance (e.g. 'turn right at stop sign' instead of 'turn right in 400 feet'). The Location Studio Navigation SDK also includes real road sign images, speed limit and school zone alerts, lane guidance and routing based on user preferences (e.g. no tolls) along with real-time traffic updates, Location Studio's state of the art navigation solution is available in 18 languages.

Search

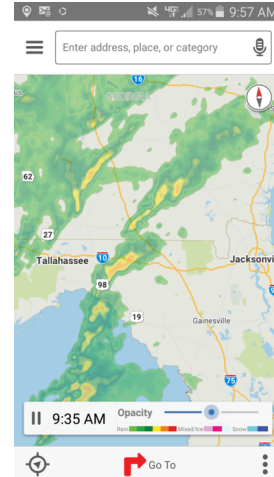
No navigation solution is complete without a full featured search solution. The Location Studio Search SDK provides a full featured, single box search engine, that can help users find places to eat, shop, visit and more all close to their current location, work or home. Search is offered through an easy-to-use single search box, with capabilities similar to today's popular search engines - e.g. auto completion, search suggestions etc. Users are able to initiate local searches, see their location on the map and receive turn-by-turn navigation to local businesses. The Location Studio search database includes nearly 20 million points of interest locations in the United States alone.



Enhanced Content



Location Studio also combines real-time enhanced content to provide even better search results. For example, searching for gas stations will also show you the price per gallon that each station is selling. When searching for movie theaters, it will show movies times in a selected theater. There is even a Doppler weather overlay that can display on the map to give users a real-time view of the weather around them.



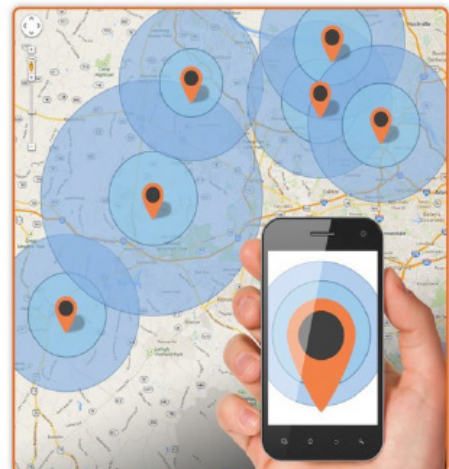
GeoTracking

The Location Studio GeoTracking SDK provides advanced location intelligence for 3rd party applications. The GeoTracking SDK is composed of 2 primary components - a light-weight embeddable client agent (for both Android and iOS), and a Cloud-based server accessible through a both RESTful APIs and Mobile Location Protocol (MLP). The GeoTracking SDK can be used for family locator applications, workforce tracking and optimization along with fleet and asset tracking. Simple and complex geofence boundaries can be defined that can trigger events for connected home and office applications (e.g. control HVAC/lights based on proximity), smart cities/factories/warehouses (e.g. trigger automated processes based on assets movement or location) and location aware marketing and advertising.

Trusted Location

Accurate mobile device location provides financial firms, online gaming companies, and other organizations a powerful tool for identifying and preventing fraud. Comtech TCS' Trusted Location can verify and validate a device's location nearly anywhere in the world. In near real time, it can determine a devices location using a unique and patented set of libraries which leverage cellular, satellite, Wi-Fi and other data sets.

This library set can either be integrated into an existing client





application or be packaged as a standalone application. Unlike other mobile location services, Trusted Location is not dependent on carrier networks and delivers the same reliable locations, anywhere in the world. In addition, Trusted Location algorithms calculate a “Trust Score” to report back the level of certainty associated with the location and authenticity.

Whether it is credit card security, Enterprise Mobility Management (EMM) or cross-border compliance for online gaming, there are many instances when Trusted Location can help prevent fraud and theft.

Location Studio’s GeoSuite SDKs are available for all major development platforms. Contact Comtech today for more Information on how to begin using GeoSuite in your application.

About Comtech

Comtech Telecommunications Corp. (Nasdaq: CMTL), has been pioneering communication and location technologies since 1987. The company offers a comprehensive portfolio of solutions for IoT location and messaging built on our Location Studio platform and is backed by world-class global professional services and award-winning customer support. Their technology is found on more than 100 million devices and they are a world leader in Location Based Services, providing it to mobile operators across six continents, including Africa, Asia, Australia, Europe, North America and South America. To learn more, visit www.telecomsys.com.

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Contact Comtech Telecommunications for more information.

