3D Location SDK

Pinpoint accuracy for mobile applications

Easy integration with both Android & iOS

Location accuracy proven through independent testing

Service available in most metros globally

Polaris Wireless

Precise indoor 3D location across diverse industries

Public Safety

3D mobile location provides the ability to locate first responders indoors, particularly in high rise buildings, wherever they may be, leading to improved response times, which helps save lives.

Hospitality

3D mobile location provides the hospitality industry with the ability to locate staff across large properties, ensuring their safety while improving customer service and operational efficiency.

Healthcare

3D mobile location provides healthcare facilities with a mechanism to locate staff and track high-value equipment in a timely manner, which not only improves patient care and keeps costs down, but can be lifesaving if a hospital needs to locate a specialist in real-time to perform an emergency procedure.

Polaris Wireless 3D Location SDK

Our cloud-based and operator-independent mobile 3D location solution is truly universal, powering a wide range of applications across multiple industries to locate any mobile device on any network indoors and in real-time. The SDK integrates seamlessly with both iOS and Android applications and has a flexible API that is adaptable to address a variety of location oriented real-time and historical use cases. In the cloud, Polaris Wireless' patented Hybrid Location Engine fuses all the collected measurement together to produce the most accurate 3D location estimate.

Pinpoint Accuracy and Universal Availability

By integrating SDK in their applications, developers now are able to provide their customers with pinpoint location, including indoors and in high-rise buildings, with floor level accuracy. We deliver enhanced situational awareness and improved operational efficiency, particularly in environments without GPS. Using software only, Polaris Wireless eliminates the need to install expensive hardware in networks and mobile devices. Our SDK works with the majority of smartphones in today's market. Operating independently (i.e. 'over the top') of wireless operator networks, our 3D Location SDK is truly universal. This enables applications to **locate any device on any network**.

> "The Polaris Wireless 3D Location SDK helps us deliver an industry-leading location capability, down to the floor level. Our customers know that better-connected and better-informed teams achieve superior performance. As a result of our partnership with Polaris Wireless, we now provide our customers advanced location services that enable them to do their jobs better."
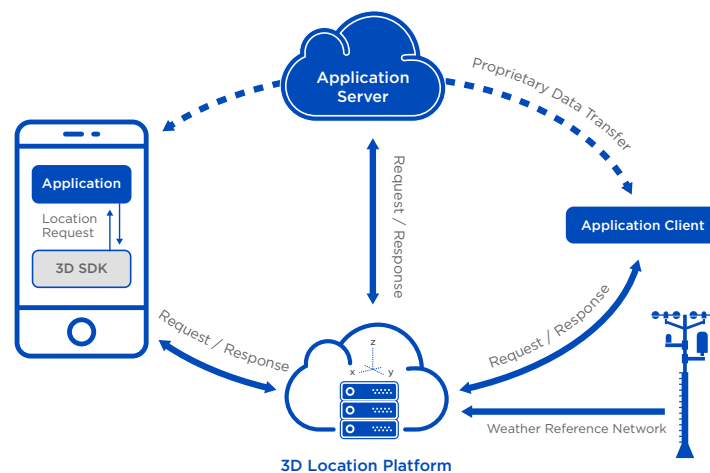>
> - Polaris Wireless Application Partner

Architecture

Our cloud-based, secure and scalable architecture supports the following transaction modes:

- SDK to 3D Location Platform
- Application Client to 3D Location Platform
- Application Server to 3D Location Platform

Key Features

3D Location	Proven high-accuracy X, Y, and floor-level Z dimension
Flexible API	Adaptable to address a broad range of use cases
Cloud-based	Scalable to support high transaction rate using Microsoft Azure
Software	Eliminates hardware in wireless networks or special firmware in mobile devices
OS Agnostic	Works on standard Android and iOS devices
Pricing	Flexible and scalable pricing with both subscription and transactional models

Specifications

X,Y (Un surveyed)	Median Indoor Horizontal Accuracy < 15 meters
XY (Surveyed)	Median Indoor Horizontal Accuracy < 10 meters
Z	Median Vertical Accuracy < 2.8 meters (1 Floor Level)
Response Time	< 2 Seconds
Supported Devices	Smartphones or LTE/Wi-Fi devices with barometric
Supported Platforms	Android/iOS
Encryption	256 bit AES

Service Area

3D location service is available in most metro areas across North America and Europe.

For other areas, please contact us at **ott@polariswireless.com** to confirm service availability.

Learn more about our technology at **www.polariswireless.com**

A History of Innovation

Polaris Wireless is the high-accuracy, software-based 3D location leader. Our wireless location technology uses software to deliver highly-accurate pin-point location, proven within 2.8 meters vertically (z-axis) in high-rise buildings. Our engineering team holds over 100 patents and is continually perfecting our algorithms to leverage all data, from all sensors, in any environment, with the highest possible location accuracy. Our solutions serve public safety, hospitality, healthcare, enterprises, and location-based application companies. Our award winning technology was recognized at the 2017 Consumer Electronics Show (CES) for the Mobility Award for Mobile Software Indoor Positioning Systems.

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APAC Headquarters: Singapore

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