



## Geolocation

the **simplest** and  
**cheapest** IoT  
location service

Sigfox Geolocation is based solely on  
Sigfox globally-available network



Sigfox Geolocation is a low energy and low price location service for all devices equipped with the simplest Sigfox module, without GPS. There's no need to retrofit to upgrade specific hardware, or to update software: Sigfox can now provide a location for all existing and future devices in all areas where the network is deployed.

## What is it for ?

Sigfox Geolocation is suitable for use cases where metric precision isn't needed. For example, the service is particularly relevant to track moving items through complex supply chains at multiple locations or while being stored in large facilities, yards or warehouses.



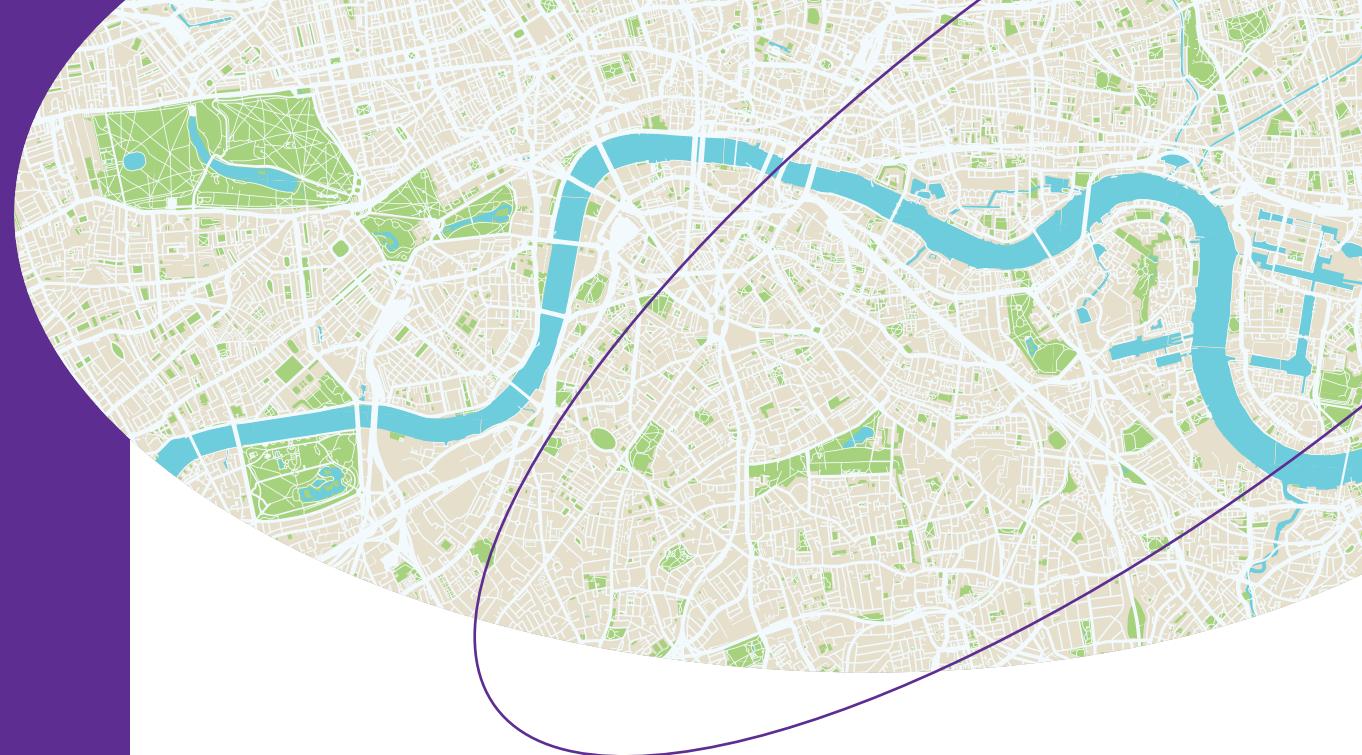
### Locate a fleet of devices

Know where your customers are. Know that you have thousands of customers in one area but none in another. Then launch a geo-marketing campaign in this area.



### Track the path used by your devices

Check to see that your device went through a specific railway station at 12:00 on Tuesday and arrived in the right warehouse in the destination country's airport the following day.



## How does it work?

For each message sent by a device, Sigfox Geolocation provides real-time coordinates (latitude/longitude) and the precise location in km, delivered through a callback or standard API.

The service is based on a proprietary probabilistic calculation of the most probable location of the device. This approach allows for the first release of the service to have an accuracy in km (between 1km and 10km for 80% of devices) depending on the base station density where the device is located. This accuracy will be improved through further releases thanks to machine learning.

## Do you need a very precise location?

If you need a very precise location, combine Sigfox Geolocation with WiFi or GPS.



Use Sigfox to transmit your location and complement GPS localization in indoor thanks to Sigfox.



Use Sigfox to transmit your location and complement Wifi localization in rural areas where Wifi is not accurate.

# Enjoy all the benefits of Sigfox

As for all services provided by Sigfox, this service is:



**Low energy:** No need of GPS chipset, no need of specific hardware, no additional processing.



**Low cost:** No extra hardware cost, no extra message to be sent by the device.



**Simple:** The location of the device is sent directly to the customer IT through a callback or standard API.



**Global:** Location service is available for all Sigfox territories.



**Indoor and outdoor:** Sigfox Geolocation is available wherever there is Sigfox coverage.

## About Sigfox

Sigfox is the world's leading provider of connectivity for the Internet of Things (IoT). The company has built a global network to connect billions of devices to the Internet while consuming as little energy as possible, as simply as possible.

Sigfox's unique approach to device-to-cloud communications addresses the three greatest barriers to global IoT adoption: cost, energy consumption, and global scalability. With millions of objects connected and a rapidly growing partner ecosystem, Sigfox empowers companies to move their business model towards more digital services. Founded in 2010 by Ludovic Le Moan and Christophe Fourtet, the company is headquartered in Labège near Toulouse, France's "IoT Valley". Sigfox also has offices in Paris, Madrid, Munich, Boston, San Francisco, Dubai and Singapore.

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