

Intelligent truck tracking to optimize loading and unloading time

Libelium's Smart Tracking solution allows Querqus to know when one of their trucks enters and leaves the customers and suppliers facilities.

The world of logistics has more characteristics than carrying a shipment from point A to point B. For example, what to do with the pallets on which the merchandise was carried once it has been unloaded at the destination point.



Time is of the essence

[Querqus](#) is a company dedicated to the **purchase, storage, construction, and repair of pallets**. Its main business is pallet management. They have thousands of pallets that are used by their clients to carry merchandise. Once that merchandise reaches its destination, the truck picks up the pallets to take them to their Querqus warehouse, keep them and, if necessary, repair them to extend their use.

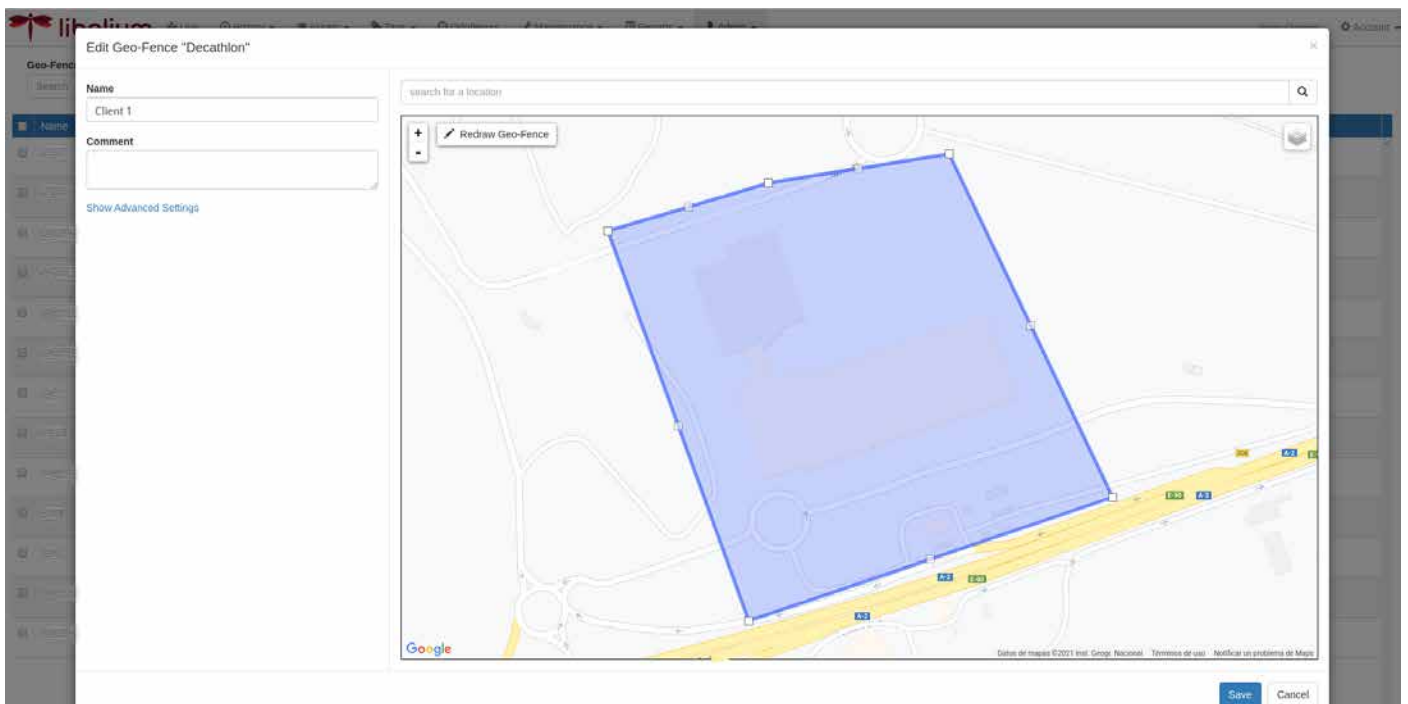
The main requirement for the implementation of a [Smart Tracking solution](#) was to know how long their trucks have to wait at the customer or supplier facilities. Querqus used to work with a tracking solution that provided a lot of data about their trucks, but that data was not very useful for them. "We needed to know a specific input about our business that we were blind to until now: how many hours our trucks wait at customer and supplier facilities. **If you can see a truck is on hold too long, it will be a waste of money.** Having this data will allow us to establish price negotiation strategies with our clients and suppliers, and obtain a better income statement", says Pablo Diago, Querqus Production Manager.



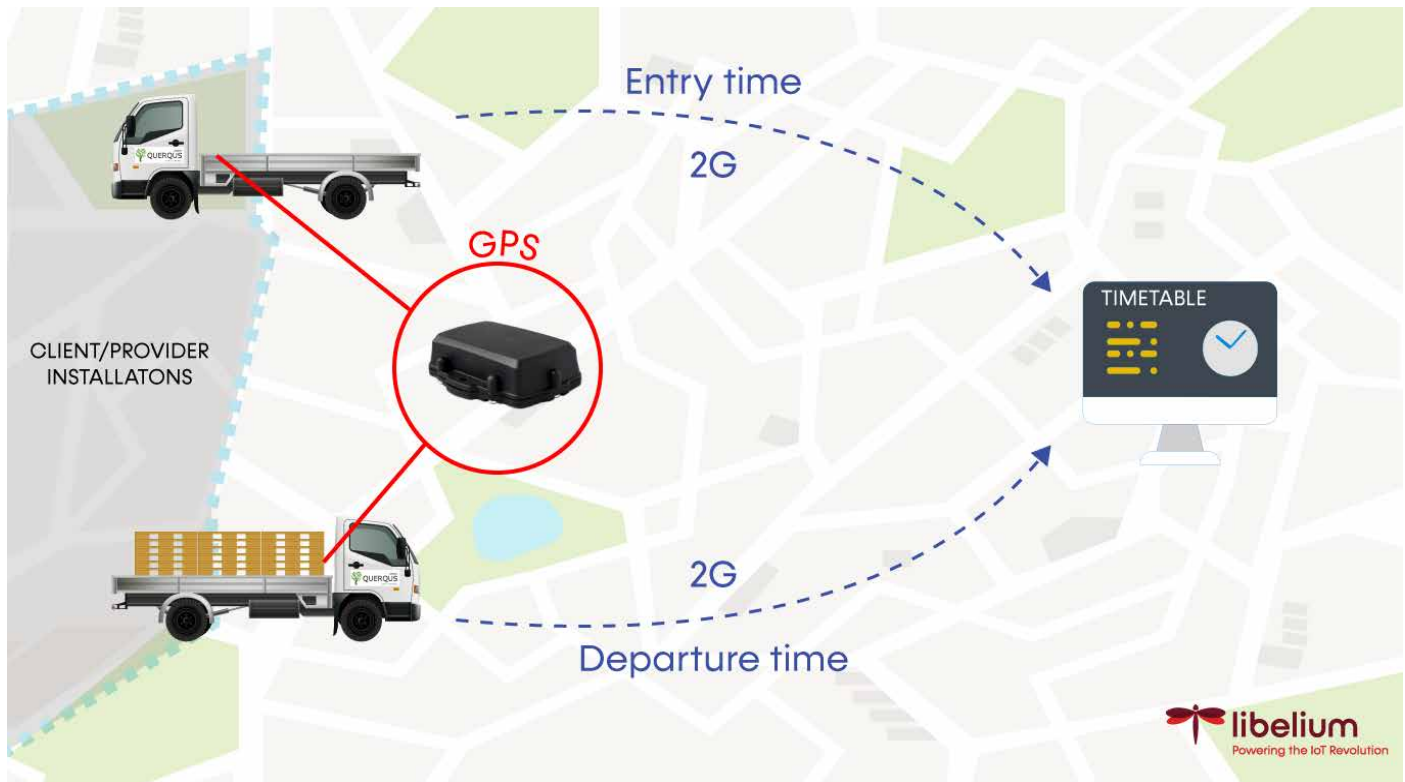
Libelium Smart Tracking Solution

The company installed [Libelium's Smart Tracking solution](#) on its truck fleet. This solution is **very versatile for monitoring any sector** (construction, logistics platforms, pharma transport, livestock, waste management...). The devices obtain **highly accurate positions as they use both GPS and GLONASS systems simultaneously** for greater precision and faster solutions.

The configuration designed by Libelium engineers for the Smart Tracking solution allows Querqus to know, at all times, how long their trucks are at the facilities of customers and suppliers.



This solution is **based on geofencing** that establishes virtual borders based on the real world. A geofencing can be generated dynamically (a radius around a specific point), or set by limits (such as school zones or neighborhood boundaries). Libelium's software solution maps facility addresses and establishes a perimeter around them. When one of the trucks enters that perimeter area, the smart tracking device sends a 2G signal that is received by the software. The clock starts to count. When the truck finally leaves the customer's installation, the device emits another signal to stop the counter. Thus, the actual data of the truck's stay in the facility is available.



The [software platform](#) is ultra customizable and easy to use to extract the necessary data.

The device is small, handy, and price sensitive. Plus, it allows multiple installation options to covertly secure devices to trailers with screws, bolts, cable ties, and so on. The material with which the box is made means it is a robust, waterproof, and resistant device. Shock, rain, and other inclement weather will not affect the performance of the tracking solution.

In this case, the tracking was done with 2G cellular connectivity, but it can also be done with **4G, NB-IoT, LoRaWAN, Sigfox, and Bluetooth**.

The high customization of the Libelium Smart Tracking solution makes it an ideal co-pilot for any logistics company that wants to track its assets.

More information:

- Know more about the [Libelium Smart Tracking solution](#).
- For technical details on Smart tracking solution: [Smart Traking Technical Guide](#).
- Querqus: grupoquerqus.com

Discover the kit at The IoT Marketplace: [Smart Tracking kits](#).

More case studies at: <http://www.libelium.com/resources/case-studies>

TERMS AND CONDITIONS TO USE LIBELIUM CONTENT.

Libelium is the owner of all images provided on the website and it can only be used quoting the source. Any video, photograph, diagram, infographic or logo cannot be used or transformed without Libelium authorization. You can request the files in high resolution to publish on your website or to insert in marketing flyers always using Libelium logo and linking with Libelium website.

If you are going to publish the article in a website or media or in a white paper or research study, it must be done including all the references and mentioning Libelium as the source of the content.

© Libelium Comunicaciones Distribuidas S.L. – www.libelium.com