

# ASSETS TRACKING BASED ON GPS AND MOBILE CELL



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## POSSIBLE APPLICATIONS:



**ASSET  
TRACKING**



**SPECIAL  
PALLET  
TRACKING**



**VEHICLE  
TRACKING**



**TRACKING  
VALUABLE  
DEVICES**

## NOVEL BUSINESS MODEL

NaBi's latest 5G technology together with smart low operation make it maintenance free for several years. NaBi escorts the deliverables along a whole multimodal transportation chain. It replaces the complex system and data fusion of several tracking solutions, while monitoring the motion, condition and location of the items transported.

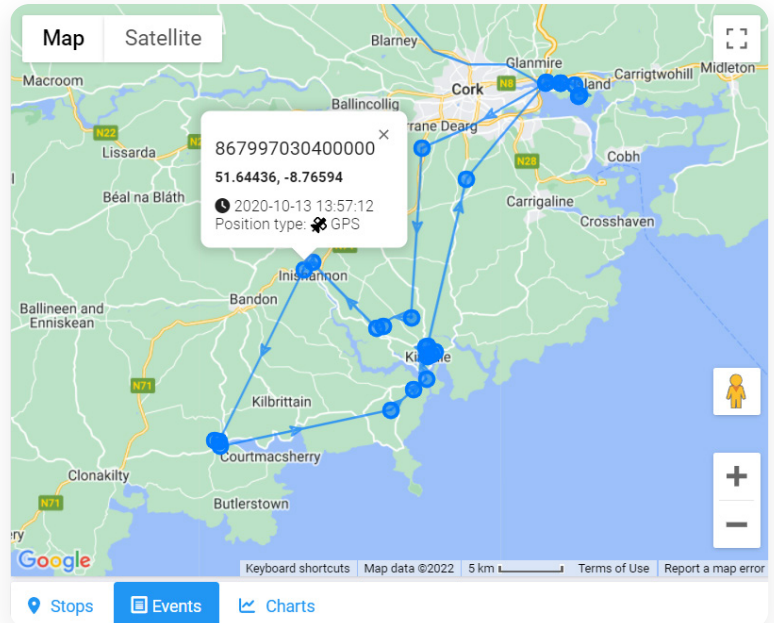
# OVERVIEW

**NaBi** can detect movements of a vehicle or any object with the help of its vibration and acceleration sensors. The device is capable of recording the exact GPS coordinates at the beginning and the end of the movement. Therefore, **NaBi** helps with the logistical tracking of any asset from one stop to another (Figure 1).






The operating and standby conditions are individually configurable by setting time windows and the strength of the vibration to be measured. This function enables what can be considered as a continuous movement or a movement outage, depending on the length and strength of the vibration.

In case of departures and stops, recording GPS coordinates and setting notifications or alerts (email, push notification) are configurable (Figure 2).

The movements and the standby stages can be seen on the map with the exact real-time position of the vehicle. The data can be downloaded in Excel format or it can be automatically uploaded to different IT systems via standard HTTP API. In confined spaces where GPS reception is inadequate, the device can still track assets with the mobile cellular system, only a bit less precisely.



**Figure 1: The coordinates of every stop shown on the map**

Event	GPS timestamp	Notification information
 Motion start	2022-04-01 09:08:29	After the timestamp moved for at least: <b>16 sec</b>
 Orientation change	2022-03-21 11:26:16	Notification threshold: <b>120°</b> Angle to baseline orientation: <b>67°</b>
 Freefall	2022-04-01 08:03:06	Freefall detection threshold: <b>3</b> (Fall from 30 centimeters)
 Motion end	2022-04-01 15:57:51	After the timestamp rested for at least: <b>180 sec</b>
 Low temperature	2022-03-30 00:04:44	Notification threshold: <b>20°C</b> Temperature: <b>19°C</b>

**Figure 2: Configurable alerts and events**

Find out more about the possible applications of the device – like motion tracking or hour metering – on the website at [www.nabitrack.com/business#applications](http://www.nabitrack.com/business#applications). The functions based on different sensors can be used together or separately. For instance, the real-time temperature and location of refrigerated goods can be tracked simultaneously.