ela INNOVATION

» Success story

Vehicle fleet management

to identify drivers & passangers »

ALFAKOM.

Optimize vehicle fleet management

thanks to an IoT driver identification solution

Nearly one company in two will have equipped its **vehicle fleet** with an on-board **telematics** system (compared with 38% in 2022), enabling it to improve **driver safety**, **reduce management costs** and **improve overall operating efficiency**.

Alfakom and **ELA Innovation** have collaboratively focused on developing an advanced **driver identification solution**. This innovative solution aims to empower companies with detailed insights into driver activities while simultaneously equipping drivers with enhanced **anti-theft controls**.

To achieve this Alfakom has integrated **ELA Innovation Blue LITE ID Bluetooth tracking beacon** into its driver identification solution.

» The key players

IoT sensor
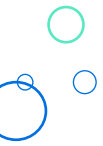manufacturer

Integrator
of IoT solutions

« We've integrated the ELA Innovation Blue LITE ID into our solution because it's the only rechargeable-battery BLE ID beacon known for its exceptional accuracy and reliable performance. »

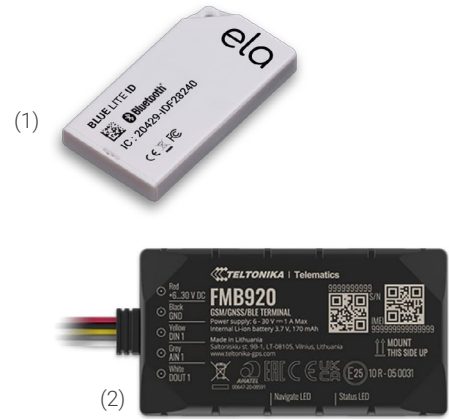George Frans, Director at Alfakom

» The client requirements

- ✓ Enhance driver identification precision
- ✓ Implement robust anti-theft measures
- ✓ Capture comprehensive driver activity insights
- ✓ Optimize fleet performance monitoring

The equipment

- ✓ Bluetooth **Blue LITE ID** beacons (1)
- ✓ Teltonika FMB920 GPS tracker (2)
- ✓ Alfakom Fleet Management IoT platform

(1)

(2)

The operating mode

From a technical point of view, the **driver identification solution** is based on **Bluetooth Low Energy (BLE) technology with ELA Innovation's Blue LITE ID** beacons capable of being detected by Teltonika GPS trackers. To achieve this integration, these devices are seamlessly combined.

Initial installation involves placing the Teltonika device on the car's fuse box, powering it directly from the **vehicle's battery within an operating range of between 6 and 30V**. Next, the car's ignition is connected to a power relay, and this relay is interconnected with the Teltonika device. After installation, the system is programmed by Alfakom. Their **Fleet Management IoT platform** configures the device to automatically switch the relay powering the ignition cable when it detects the presence of ELA Innovation Blue LITE ID nearby. This programming guarantees a **transparent and responsive driver identification process**.

In scenarios involving **shared company vehicles**, the implemented security measures ensure that only authorized individuals can access the vehicle. Additionally, to **prevent theft**, the system requires the presence of a specific identification, without which engine startup is restricted.

The results

- ✓ **Accurate driver identification** and **improved driver safety**
- ✓ Actionable **driver insights**

The advantages

- ✓ Quick and easy installation of beacons
- ✓ Reliability and high accuracy of data
- ✓ Replaceable battery