SUCCESS STORY

Asset tracking
Location of mobile equipment

ELA Innovation and Apitrak roll out a Mesh-networked Indoor location solution at the Allo Pneus Warehouse

Allopneus logistics platform, storing more than a million of tyres and shipping 50,000 products a day, chose **Apitrak and ELA Innovation** to quickly and efficiently **locate** its **industrial equipment**, with the aim of improving the site's **safety and optimizing its management.**

ELA Innovation and Apitrak have deployed, over the 84,000 m² of the **Valencia** platform, an adapted solution allowing to **detect, locate and trace** precisely the different logistics equipment such as forklifts.

« ELA Innovation's equipment is particularly well suited for harsh environments. We used the PUCKs to geolocate forklift at allopneus. com in Valencia: Good tag holding performance on trucks in harsh conditions ».

V.Lê - CEO - Apitrak

THE KEY PLAYERS

Fabricant de tags

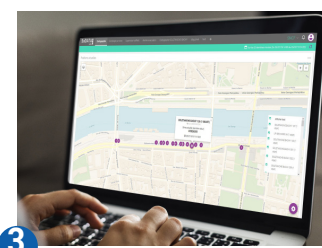
Intégrateur - Installateur

Utilisateur final

THE CLIENT NEEDS

- Analyze movements in order to optimize fleet, storage and operations.
- Cover a very large area with a lot of mobile equipment.
- Locate equipment in real time.
- Improve security on the logistics platform.

THE EQUIPMENT

- ELA Innovation's beacons : **Blue PUCK ID Mesh**[1] (30 anchor and 410 mobile)
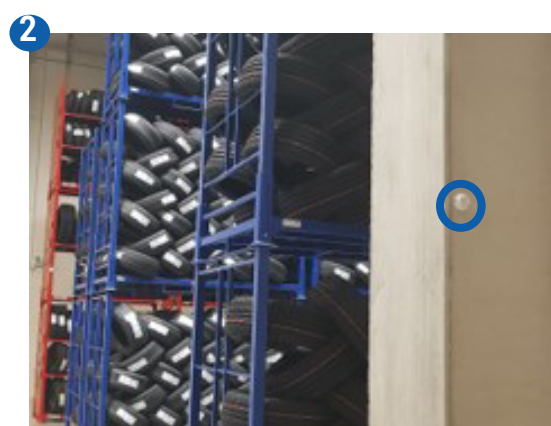- Industrial gateway[2]
- Viewing software : **Apitrak Explorer**[3]

THE OPERATING MODE

From a technical point of view, **the location solution** is based on a **mesh network** of **fixed and mobile beacons.** The first one, also known as anchors, are installed at regular intervals (25 meters) throughout the site, while the mobile tags are positioned directly on the industrial equipment. **The mobile Blue PUCK ID Mesh** emits signals to the various anchors, which in turn **pick up all dialogues and transmit** the information to the **gateway.**

However, as the **data collected** by the sensors are raw, they are **transformed into GPS data** (latitude and longitude) by **the Wirepas Positionning Engine tool** and visualized on the **Apitrak Explorer** web application. This **complete solution** has been developed and implemented by **Apitrak,** which takes care of installation, maintenance, technical support and the IoT platform.

THE ADVANTAGES

- Compact, waterproof and robust beacons
- Low TCO
- Easy-to-install plug&play solution
- Beacons 100% autonomous
- Real-time location
- Accuracy from 5 to 10 meters

THE RESULTS

- **Save 30 minutes per day** thanks to the 1-click verification of the trolleys' loading.
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- **Better knowledge** of the damage causes of the equipment and goods causes, thanks to their movement tracking history.

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