



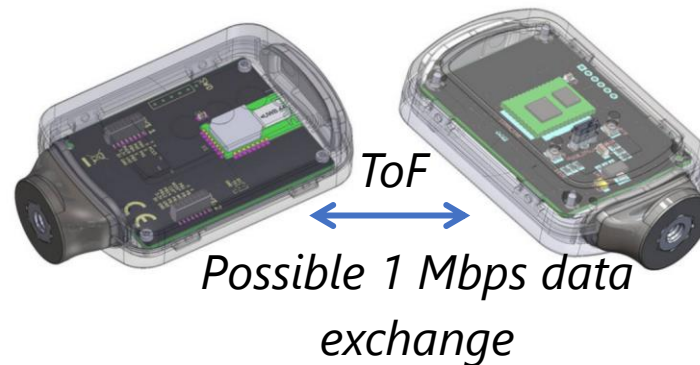
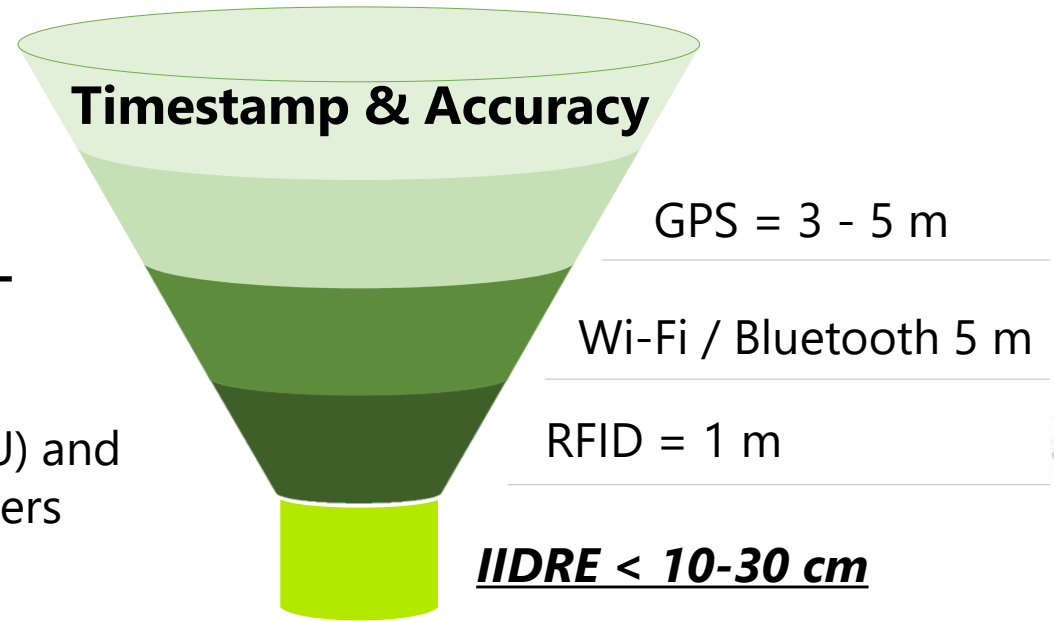
***Assets Tracking
indoor & outdoor***



Indoor & Outdoor geolocation

IIDRE is a hardware/software solution using the **ultra-wideband (UWB)** technology as a Design specialist.

With other **technologies (GNSS/GPS RTK), IoT (IMU)** and **powerful algorithms**, we can provide to our customers much higher accuracy in real time than traditional positioning systems.





Indoor GNSS/GPS

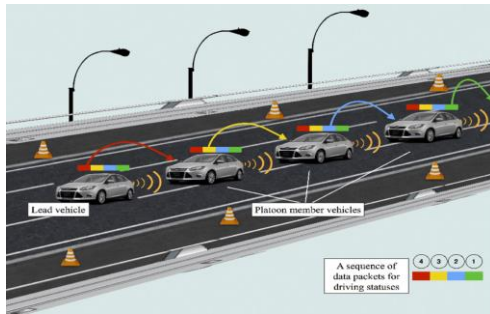
1

Tracking



Use cases: autonomous engine control

- Easy deployment
- Range: 100 m
- Accuracy: 10 - 30 cm
- 100 positions per second
- Autonomy: 1 month
- Tailored solution



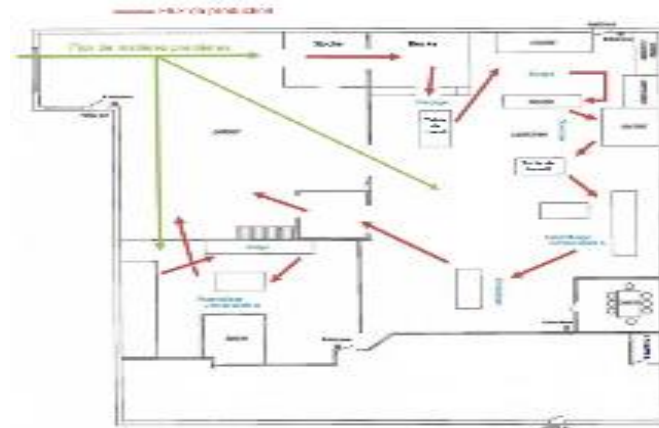
2

Supervision



Use cases: goods or people supervision

- PoE or wireless solution
- Range: 50 m
- Accuracy: 10 - 30 cm
- 1000 Tags simultaneously
- 100 positions per second
- Autonomy: 3 year++



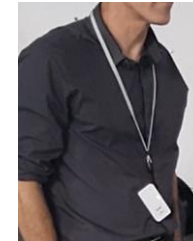
3

Badges



Use cases: distances between persons or machines

- No infrastructure required
- Range: 50 m
- Accuracy: 10 - 30 cm
- 2 positions per second
- Autonomy: 3 days
- Logs generating and alerts





Assets track « on - premises » or « Cloud »

1. **Equipment search** and **track** software in real time with high precision.
2. Forklift **Track and Trace** solution with fixed beacon. Enable to build **diagram spaghetti** on Map with choice filters. Non-intrusive or linked system.
3. **Pedestrian prevention** warning. Personal badge with high vibration and beacon for engines with high level alarm to **avoid collision in real time**.
4. Collect data on local gateway for local server or Cloud and **access to the software** to lead his own **historical data** (metrics: distance, speed ... and data csv export).
5. Possible extension for seamless continuity with **outdoor** GNSS/GPS RTK geolocation.

