LoRaWAN® TRACKING USE CASES IN INDIA

FLORIAN SFORZA DIRECTOR GLOBAL GEOLOCATION SERVICES ABEEWAY

LoRaWAN[®] Live! New Delhi, India October 17, 2019

- Specialist in low-power multi-technology geolocation solutions on LoRaWAN® networks: GPS, Low-Power GPS, WiFi Sniffing, BLE, LoRa TDoA
- Founded in 2014
- Part of the Actility group, the IoT network expert and integral part of the LoRa Alliance
- Fully equipped R&D to cater complex use cases
- Over 100 000 deployed trackers



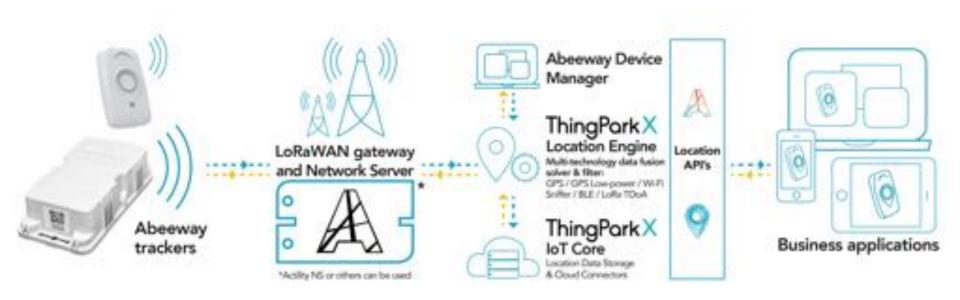












Adaptable Multi-Technology Tracking using LoRaWAN for various use cases







Tata Communications chose Abeeway, specialized in geolocation is powering large-scale tracking deployments using LoRaWAN, for theft protection of rental scooters:

- Compact Tracker is used, with battery life up to 1 years.
- GPS location (up to 15m precision) with customer control using downlinks, along with a mobile app to notify the user
- Permanent tracking mode (2 fixes per day) with custom downlink to change the mode.





Benefits: improved theft control, reduced traffic congestion and improved air quality











DEWI Human Safety Device

Designed with Tata Communication and Abeeway, and now deployed on Tata's LoRaWAN network in India to help keep women safe on the streets.

- When in danger, women can launch an alert by pushing the button, bring police to the location point.
- Very intuitive in use (simply press the button!), discreet (no screen, no sound) and fast, since the alert is immediate.
- 1year autonomy, standby mode with GPS (10-15 m accuracy & SOS mode; permanent tracking every 2 minutes on urgent situation. Mobile app integrated to the women safety board.



Benefit: improved safety and security for women















Abeeway provides its tracking devices for Larsen & Turbo global projects of geofencing of worker staff indoors and outdoors and measuring the worker contribution by zoning

- Tracker used: Micro tracker with ATEX certification
- Technology used: Bluetooth for Indoor zoning and GPS
- Full ATEX environment; Solution embedded with Actility Thing park enterprise.

 Manual SOS button for workers; Tracker intelligence to shift from outdoor GPS to Indoor Bluetooth.
- Use trackers like a wrist band



Benefit: improved safety and security for workers







LIVESTOCK TRACKING WITH SENRA







- Tracker used : Industrial Tracker
- Up to 3 years; GPS with position on demand, 20 m accuracy;
 Permanent tracking every 2 times per day with position on demand and also SOS when cattle theft is detected
- Mobile application integrated to notify the farm owner



Benefit: improved cattle theft control









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