

LoRaWAN® TRACKING USE CASES IN INDIA

FLORIAN SFORZA DIRECTOR GLOBAL GEOLOCATION SERVICES
ABEEWAY

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

ABOUT ABEEWAY

- 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



ABEEWAY/ACTILITY TRACKING SOLUTION

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- Adaptable Multi-Technology Tracking using LoRaWAN for various use cases

OUTDOOR SCOOTER TRACKING



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

TATA
COMMUNICATIONS



WOMEN SAFETY WITH TATA COMMUNICATIONS

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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

GEOLOCATION IN OIL & GAS RIGS WITH L&T INFOTECH



Abeway 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



L&T Infotech



Abeway
Improve your position



Actility
POWERING THE INDUSTRIAL

LIVESTOCK TRACKING WITH SENRA

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Abeeway provides its tracking devices for SenRa for cattle tracking project on large farms in India Challenge with the purpose of avoiding cattle theft

- 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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