kerlink
communication is everything

Adopt a smart system of tracking for the sports events with Tech4Race

"Kerlink proposed us an architecture easy to deploy and to use, that fits perfectly with our need of quick and easy integration. "

Mr. Fabien LETORT, co-founder and Product & Service Development

TECH 4 RACE

Company name: Tech4Race
Headquarters: Rennes, FRANCE
Year founded: 2016
Industry sector: Smart City (Sport events management)

Wirrnet Station™ installed in the desert of Abu Dhabi for an Iron Man competition

Challenge

Tech4Race ambitions to create a new way to provide to outdoor sport events organizers smart services and positioning of they contestants. Although solutions already exist, they are traditionally based on GSM technology that is expensive and energy-consuming. Tech4Race answer is composed under three bricks : a LoRa network deployment, a LoRa tracker and a web interface.
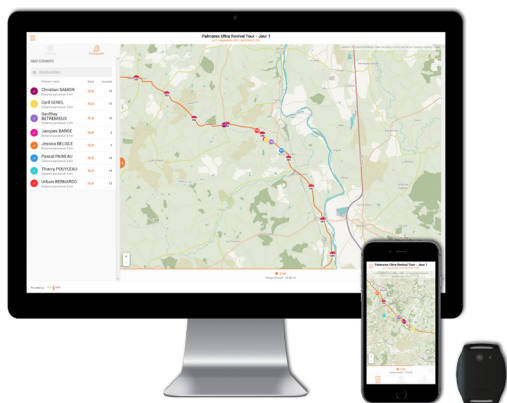
1

kerlink
communication is everything

Adopt a smart system of tracking for the sports events with

Tech4Race

A solution adapted to each part of the event

1901 runners have already been tracked by Tech4Race-developed device. The innovation of this solution stands in the miniaturization of the tracker, the business model and the reliability.

The solution relies on the GPS/LoRa tracker that allow to track the runner that can eventually raise an emergency. Fixed to the contestant, this device allows the respect of the route unavoidable and in the meantime providing security with SOS button, where GSM solutions could suffer of lack of network coverage. If no LoRa network is available on the zone of the event, Tech4Race can easily and rapidly deploy one, thanks to a Kerlink Wirnet™ Station.

Once the event is started, the tracking web interface is made available with personalized features depending of the needs and usages : organizers, chronometers, medias, athletes or fans don't need the same information.

Reliableness and precision are the key of the solution

Where a GSM-based solution could suffer of white zones and network perturbation, LoRaTM solution based tracking system offer a robustness and a reliability that has not been overtaken yet. The second key of success of this solution is a unique GSM-GPS tracker.

Adapted to all sports

The tracker developed by Tech4Race fits to any sport type that need a precise tracking system. It is small, light, water proof & immergeable and dispose of a long life span; opening the tracking feature to water sport like trails or even triathlon.

"Tech4Race can cut the prices by three thanks to the implementation of simple and reusable devices, based on LoRa™ technology, that is by nature more cost effective and quicker to deploy than GSM network which depends on public operators" says Adrien SAVARY, co-founder in charge of marketing and business developmement at Tech4Race.

A solution dedicated made for bringing sports competitons into the digital era

Tech4Race solutions based on Kerlink's WirnetTM Station will allow in a near future sports events organizers to develop and make easier to reach live tracking systems that have been until then, reserved to 'premium' events.

Fleeting installation of a Kerlink Wirnet Station on the Britain peninsula of Crozon

Read more:

Telemar: https://tech4race.com

More success stories: https://www.kerlink.com/customers-usecases/use-cases/