

GPS and vehicle monitoring -where we are now and what's next?

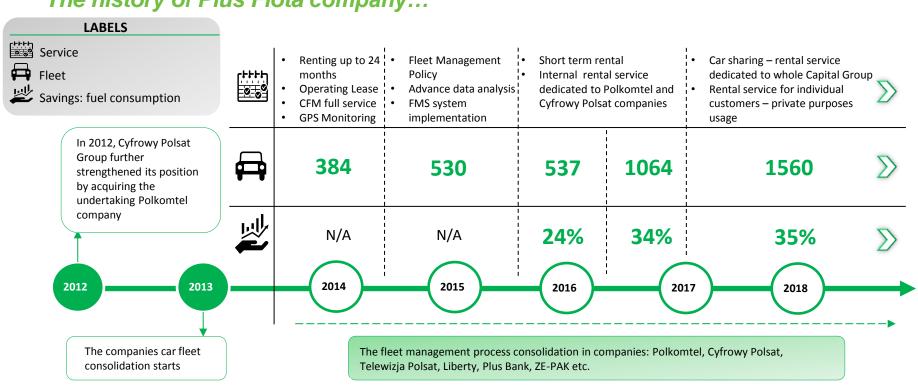
Michał Kucharski

CEO of PlusFlota and Deputy Manager of Polkomtel and Cyfrowy Polsat

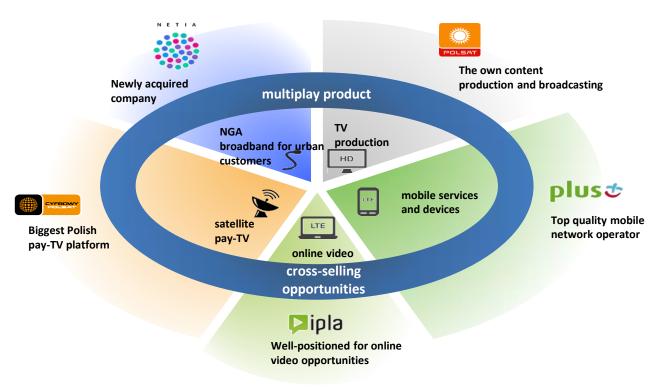
PLUS FLOTA



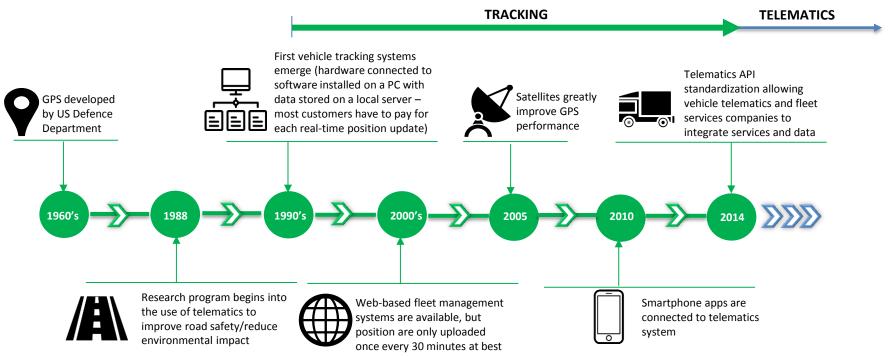
The history of Plus Flota company...



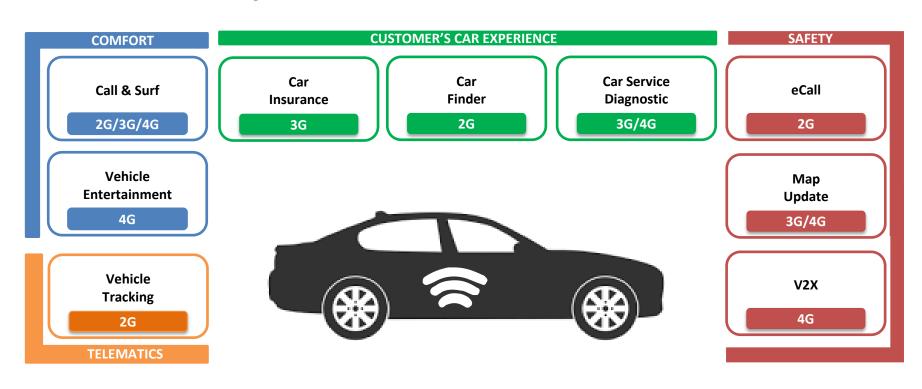
Unique market strategy based on complementary business pillars



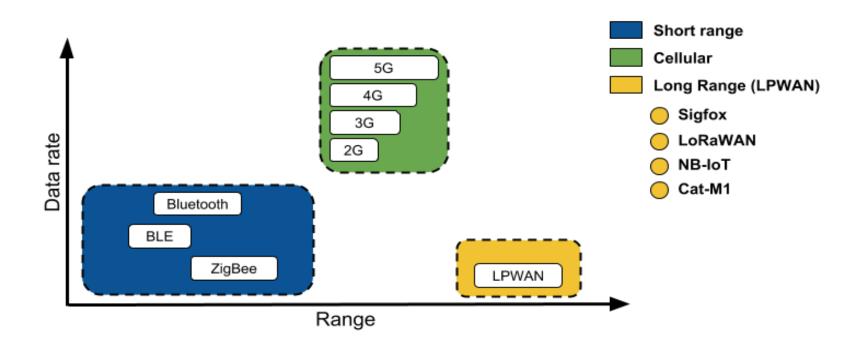
History of GPS Vehicle Tracking and Fleet Telematics solutions



Vehicle Connectivity



ABC of Connectivity



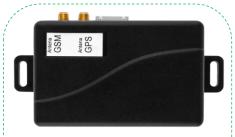
Devices

Connectivity 2G, LTE CATM1

ADAS

Peripheral devices

GPS, GNSS, Galileo



Advanced GPS Tracking & Telematics devices with connect to CAN and optional add-ons.



Smart sensor device designed for crash detection and driving behavior analysis. Fits into 12V outlet of any passenger car.



Car tracking and diagnostic devices with OBD II socket. (Plug & Play)

Compatibility with IoT

Accelerometer

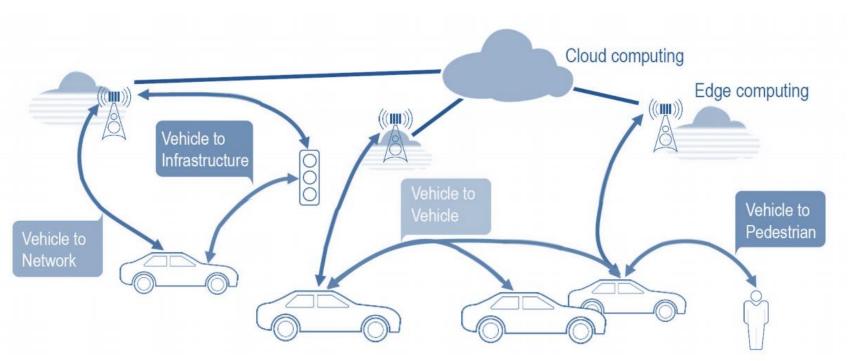
Triangulation BTS

Intelligent management

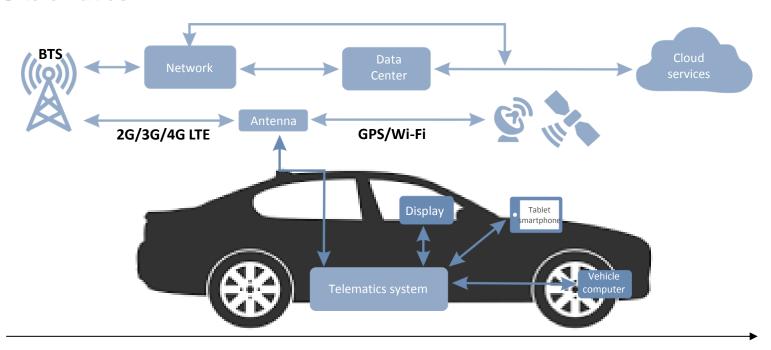
GPS tracking



GPS telematics

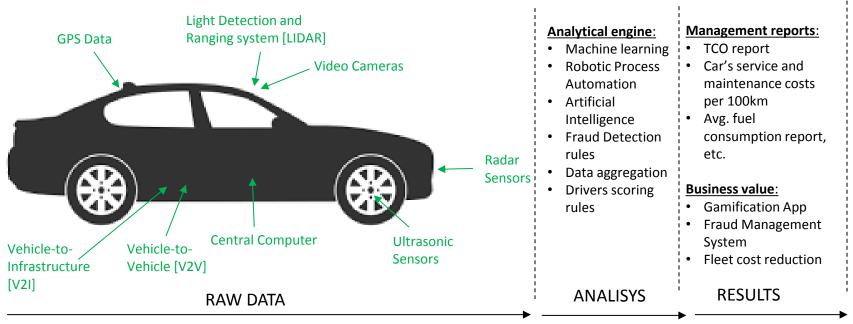


GPS telematics



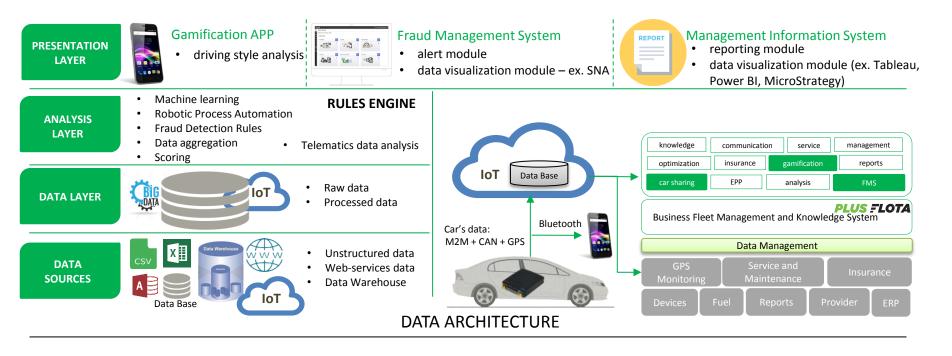


Do you know power of data managed by you?



The basic data collected from *Central Computer'* and GPS allows for carrying out **80%** of baseline analysis: avg. fuel consumption report, avg. vehicle mileage, avg. speed.

New approach to the fleet data analysis



Future....

The fast rise of data volume forces companies to change the approach to data analysis. The new technology trend, open source solutions and growing spread of embedded in-vehicle connectivity technology require investment in new solutions and searching for new directions of development.

KNOW YOUR DATA = KHOW YOUR CUSTOMER

According to the forecasts, the amount of data 'produced' by cars will continue to grow, mainly due to the development of the autonomous car industry.

Data generate per second

GPS 50 KB LIDAR ~10-100 KB

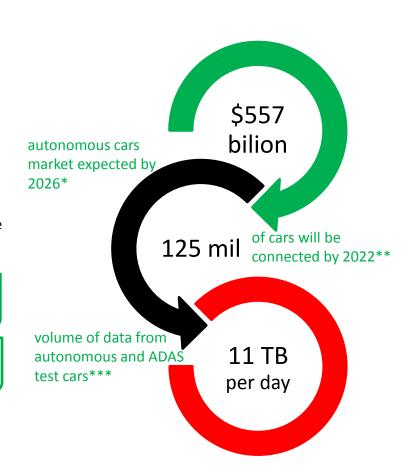
SONAR ~10-100 KB

RADAR ~10-100 KB

CAMERAS ~10-100 KB

Source:

https://www.networkworld.com/article/3147892/one-autonomous-car-will-use-4000-gb-of-dataday.html



^{*}https://www.alliedmarketresearch.com/autonomous-vehicle-market

^{**}https://internetofbusiness.com/worldwide-connected-car-market-to-top-125-million-by-2022/

^{***} https://www.tuxera.com/blog/autonomous-and-adas-test-cars-produce-over-11-tb-of-data-per-day/

