



# **Zero Blu S.r.L. – Fleet Management**

## **User Scenario**

# App Purpose

This app allows users to directly manage a fleet by connecting GPS trackers compatible with TK protocol.

The GPS trackers update their positions by connecting the Business Central API.

There are three functions:

- 1) All tracking device locations are transferred to Dynamics 365 Business Central every 30 seconds;
- 2) Tracking locations are assigned to a specific vehicle;
- 3) Vehicles are assigned to a specific driver;

Every time a location is transferred to Business Central the relative location is updated for the vehicle and for the driver.

The location is reverse geocoded as an address.

There are three entities:

DRIVERS

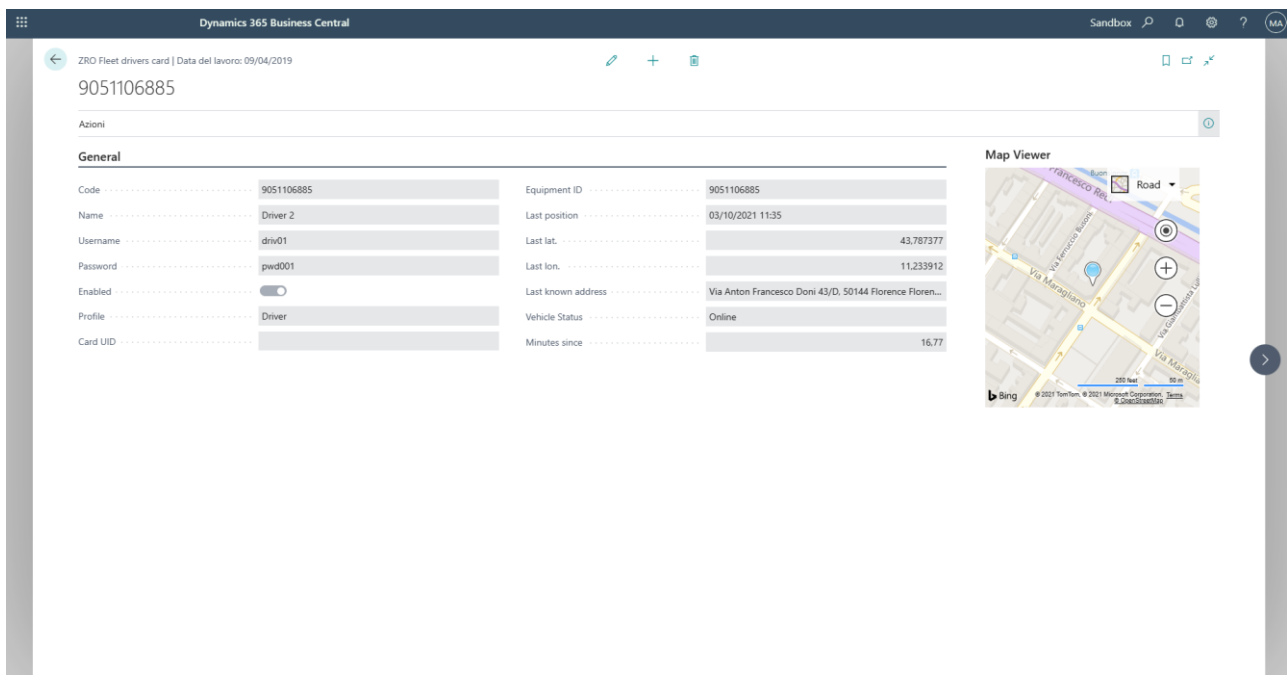
VEHICLES

TRACKING DEVICE LOCATIONS

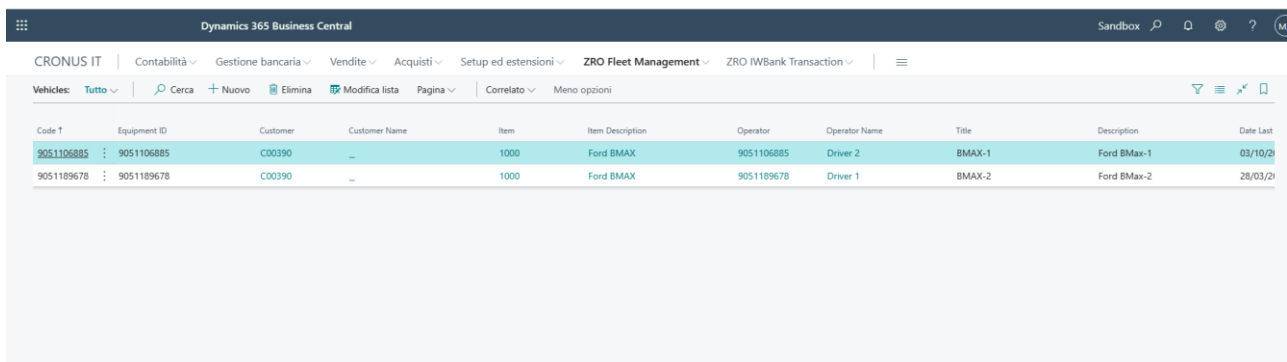


# User Scenario

First of all, it's necessary to configure a driver.



Then it's necessary to create a vehicle. Every vehicle is assigned to a driver, to a special "Item" market as "fleet item" and to a Customer. The Equipment ID must match the gps tracking device hardware serial number.



When a tracking event is sent from GPS device to business central the log is saved in “Fleet Tracker Entry” table.

Eq Name	Created at	Lat	Lng	Speed (KM/H)	User	Equipment ID	State	Number	Title	FileName
Driver 2	03/10/2021 11:35	43.7873770	11.2339120	1.52	9051106885	9051106885		-604919901	9051106885	2021100309325946.tr
Driver 2	03/10/2021 11:34	43.7872260	11.2339170	1.04	9051106885	9051106885		-605018028	9051106885	20211003093426624.tr
Driver 2	03/10/2021 11:33	43.7873520	11.2339220	1.28	9051106885	9051106885		-605115620	9051106885	2021100309330254.tr
Driver 2	03/10/2021 11:33	43.7873120	11.2339720	2.07	9051106885	9051106885		-605118602	9051106885	20211003093326810.tr
Driver 2	03/10/2021 11:32	43.7874820	11.2337120	3.09	9051106885	9051106885		-605218454	9051106885	20211003093227429.tr
Driver 2	03/10/2021 11:31	43.7870240	11.2337420	3.78	9051106885	9051106885		-605315218	9051106885	20211003093130625.tr
Driver 2	03/10/2021 11:30	43.7870240	11.2337420	3.78	9051106885	9051106885		-605409854	9051106885	20211003093034336.tr
Driver 2	03/10/2021 11:12	43.7871100	11.2338350	4.54	9051106885	9051106885		-607207099	9051106885	20211003091238799.tr
Driver 2	03/10/2021 11:11	43.7871430	11.2335970	3.74	9051106885	9051106885		-607306232	9051106885	20211003091139326.tr
Driver 2	03/10/2021 11:11	43.7871000	11.2337570	18.09	9051106885	9051106885		-607321195	9051106885	20211003091124692.tr
Driver 2	03/10/2021 11:10	43.7873290	11.2338220	1.17	9051106885	9051106885		-607405671	9051106885	20211003091039525.tr
Driver 2	03/10/2021 11:09	43.7875250	11.2338770	1.31	9051106885	9051106885		-607505782	9051106885	20211003090940069.tr
Driver 2	03/10/2021 11:08	43.7873940	11.2339830	1.74	9051106885	9051106885		-607604700	9051106885	20211003090840419.tr
Driver 2	03/10/2021 11:08	43.7873640	11.2340220	0.35	9051106885	9051106885		-607619829	9051106885	20211003090826022.tr
Driver 2	03/10/2021 11:07	43.7873670	11.2340150	1.78	9051106885	9051106885		-607704619	9051106885	20211003090740950.tr
Driver 2	03/10/2021 11:06	43.7875340	11.2339370	0.26	9051106885	9051106885		-607804261	9051106885	20211003090641279.tr
Driver 2	03/10/2021 11:05	43.7874270	11.2338670	5.26	9051106885	9051106885		-607903017	9051106885	20211003090542347.tr
Driver 2	03/10/2021 08:51	43.7874410	11.2338150	0.28	9051106885	9051106885		-633291462	9051106885	20211003065154423.tr
Driver 2	03/10/2021 08:50	43.7874550	11.2338980	0.59	9051106885	9051106885		-633387979	9051106885	20211003065057927.tr
Driver 2	03/10/2021 08:50	43.7874550	11.2338980	0.59	9051106885	9051106885		-633391362	9051106885	20211003065050535.tr
Driver 2	03/10/2021 08:49	43.7875620	11.2338870	0.78	9051106885	9051106885		-633490599	9051106885	20211003064955219.tr
Driver 2	03/10/2021 08:48	43.7879500	11.2340030	2.20	9051106885	9051106885		-633590043	9051106885	20211003064858589.tr
Driver 2	03/10/2021 08:47	43.7876430	11.2341920	1.69	9051106885	9051106885		-633686598	9051106885	20211003064759329.tr
Driver 2	03/10/2021 08:47	43.7876370	11.2341980	1.91	9051106885	9051106885		-633689830	9051106885	20211003064756082.tr
Driver 2	03/10/2021 08:47	43.7874520	11.2339320	1.20	9051106885	9051106885		-633744029	9051106885	20211003064700891.tr
Driver 2	03/10/2021 08:46	43.7876820	11.2338720	3.09	9051106885	9051106885		-633844602	9051106885	20211003064601276.tr
Driver 2	03/10/2021 08:45	43.7873010	11.2337830	0.76	9051106885	9051106885		-633890282	9051106885	20211003064555361.tr

When the log is received the driver is automatically updated with the new position.

1

9051106885
03/10/2021 11:35
43.787377
11.233912
Via Anton Francesco Doni 43/D, 50144 Florence Floren...
Offline since 1 hour
49.88

**Map Viewer**