



**INSTALLATION AND CONFIGURATION MANUAL
MUGICLOUD BOX**



mugiCloud

más que wifi



Introduction to My mugiCloud	03
User manual	03
Access to My mugiCloud	04
Homepage: My account	07
Vehicles	12
Wifi Service	19
Marketing	21
Alerts	27
Information of interest	28



01/ Introduction

Wireless technologies are becoming indispensable tools for the management of fleets in the transport sector companies.

It was unthinkable, until a few years ago, to know in real time the geolocation of the vehicle, the state of it or the passengers during the travel without high expenses and using complicated software installations.

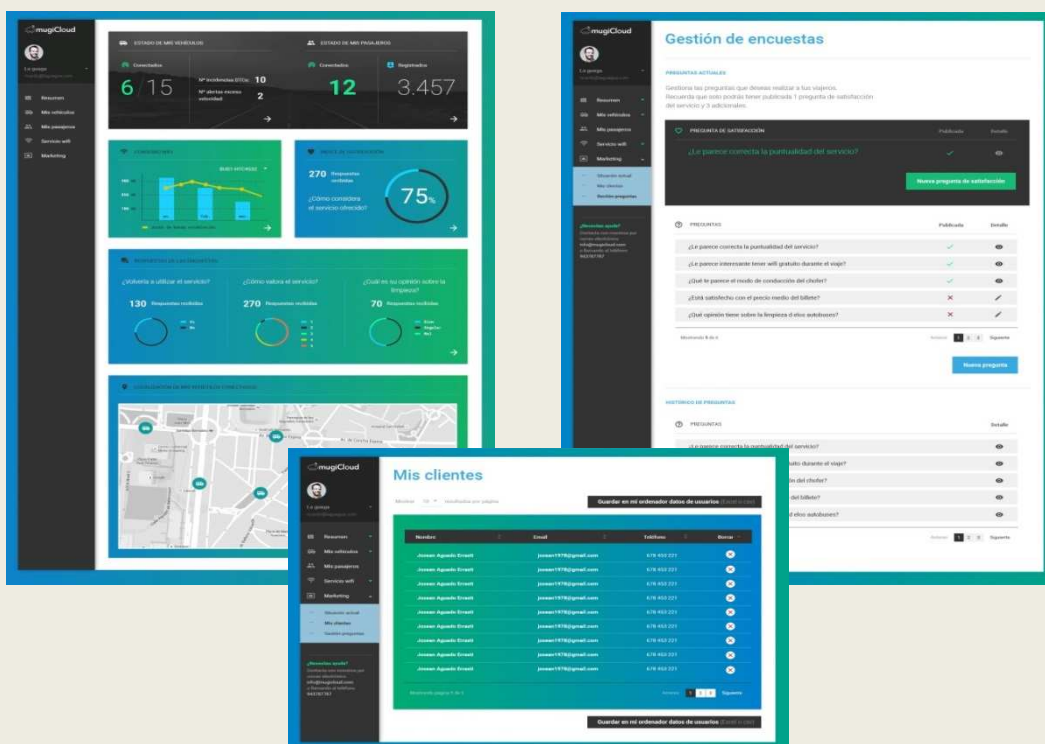
My mugCloud Platform

Thinking about covering these and other needs My mugCloud is created, a management software in the cloud platform that will allow you to connect your vehicles and passengers with your company and thus be able to know in real time and effectively the information you may need.

- Vehicle state.
- Geolocation.
- Information about passengers.
- Wi – Fi service management.

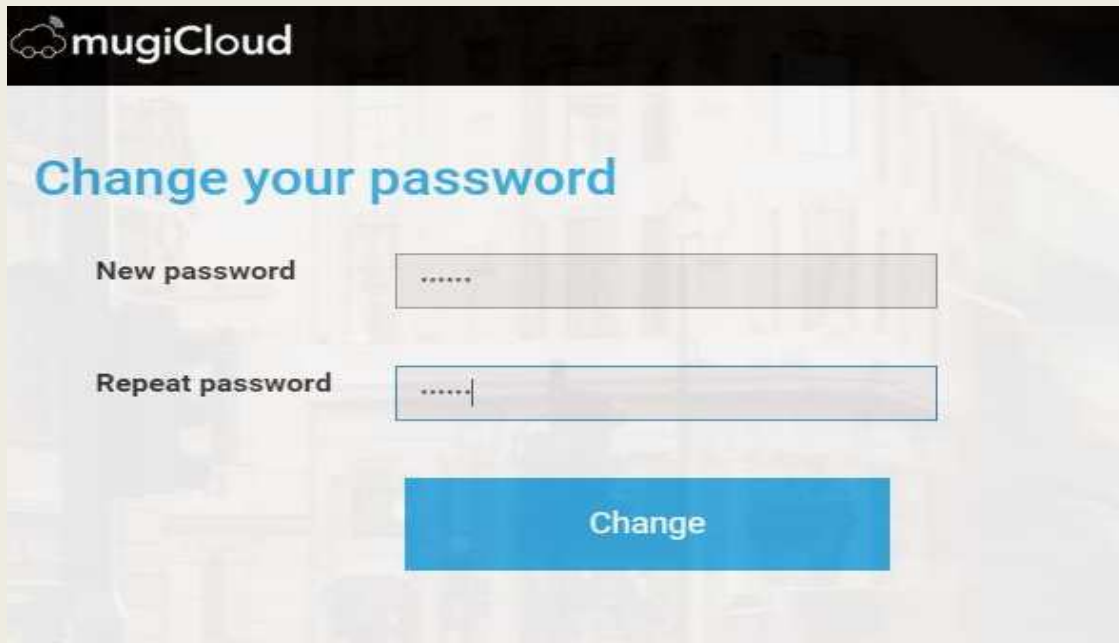
02/ User Manual

This user manual describes all the steps necessary to access the platform and the management of the services offered by My mugCloud, all the information that the manager or manager of the transport company must know.



03/ Access to My mugicloud

To access My mugicloud you will need an access username and password, for this we will send you a link to your email that will allow you to create your new password. You should click on the link. Finally, you must click the "Change" button to save your password.



The screenshot shows the mugicloud logo at the top left. Below it, the heading "Change your password" is displayed in blue. There are two input fields: "New password" and "Repeat password", both containing six dots. A blue "Change" button is positioned below the second field.

For access to our platform you must write in your browser the following address: my.mugicloud.com or through our website www.mugicloud.com on the "Login" option.



The screenshot shows the mugicloud website homepage. The header includes the logo, navigation links (Ventajas mugicloud, Wifi en ruta, Flota, Mis pasajeros, Mis conductores), and contact information (Llámanos al +34 943 325 156 or escribenos a sales@mugicloud.com). A "Login" button and a "Solicita una demo" button are also present. The main content area features a blue background with white text: "La solución In car wifi que ofrece servicios para mejorar resultados, de forma sencilla y profesional integrando funcionalidades de las áreas clave del negocio (clientes, conductores, flota y rutas) a través de la plataforma mugicloud que conecta vehículos y pasajeros con la empresa de transporte." Below this text are four icons representing: Conexión Wifi, Gestión de flota, Conoce a tus pasajeros, and Mejora la conducción. A "Descubre más" button with a downward arrow is located at the bottom.

03/ Access to My mugicloud

Once logged in to the My mugicloud Login, in either of the two ways we will identify with our user (email) and password.



The screenshot shows the mugicloud login interface. At the top, there is a black header with the mugicloud logo. Below the header, the title "Acceso clientes" is displayed in blue. The login form consists of two input fields: "Usuario" with the value "ejemplo@mugicloud.com" and "Contraseña" with masked characters. A blue button labeled "Acceder" is positioned below the password field. A link for "¿Se te ha olvidado la contraseña?" is located below the password field. At the bottom, there is a disclaimer: "Al iniciar la sesión, usted está de acuerdo con los [Términos de Uso](#) y [Política de Privacidad](#)."

If you do not remember your password, click on "¿Have you forgotten your password?" and enter your email. You will receive a new link to create it again.



The screenshot shows the mugicloud password reset interface. At the top, there is a black header with the mugicloud logo and a close button (X). Below the header, the title "Recordar contraseña" is displayed in blue. The text "Para restablecer tu contraseña, indicanos el mail con el que tienes dada de alta tu cuenta." is shown. Below this text is an input field labeled "Email". A blue button labeled "Send" is positioned below the email field.

04/ Homepage: Summary

This is the main page that the user will find when accessing the platform. In the dashboard you can have an overview of the current situation of your fleet in real time (state of your vehicles and passengers, Wi-Fi consumption, response of your surveys and geolocation of your fleet).

The screenshot shows the mugCloud dashboard interface. On the left is a dark sidebar with a 'Services menu' containing items like 'Cuadro de mando', 'Mis vehiculos', 'Mis Rutas', 'Servicio Wifi', 'Marketing', 'Alertas', and 'mugFleet'. Below this is a 'Control panel' with a '¿Necesitas ayuda?' section. At the bottom left is a 'Support area'. The main dashboard area features a 'Vehicle selector' dropdown, 'Company data' (WirelessCities Networks), and several data panels: 'ESTADO DE MIS VEHICULOS' (0/9 connected, 30 alerts, 703 speed alerts), 'ESTADO DE MIS PASAJEROS' (0 connected, 75 registered), 'CONSUMO DE DATOS' (bar chart of data transfer), 'INDICE DE SATISFACCION' (50% satisfaction), and 'GEOLOCALIZACIÓN' (map of the region).

05/ Homepage: My account

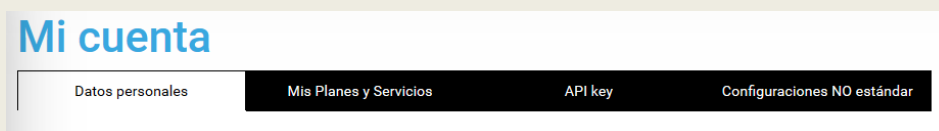
Company data

On the right side of the login screen you will find your profile. In it you will see the name and logo of your company. By clicking on it, you will see a drop-down from where you can access to My account or you can log out.



My account

Clicking on this option will display a screen with four information areas: Personal Data, My Plans and Services, API Key and Non-standard Configuration.



- 1) In personal data you will find the information of your company. In this section, you could modify your contact details. You can also select the time zone, which by default will be Europe/Madrid.

Datos de la empresa		Datos de contacto	
Nombre	WirelessCities Networks SL	Nombre	<input type="text"/>
CIF/NIF	<input type="text"/>	Email	demo@mugicloud.com
Dirección	<input type="text"/>	Teléfono	<input type="text"/>
Población	<input type="text"/>	Cambiar logo	<input type="button" value="Examinar..."/> No se ha seleccionado ningún archivo. <small>Archivos jpg, gif, png</small>
Provincia	Gipuzkoa <input type="text"/>	Configuración de cuenta	
Código postal	<input type="text"/>	Zona horaria	Europe/Madrid <input type="text"/>
Teléfono	<input type="text"/>	<input type="button" value="Actualizar"/>	

05/ Homepage: My account

Plans and Services

2) In plans and contracted services, you will see the number of devices, as the service and contracted period.

Número de dispositivos **9**
Fecha de caducidad

Dispositivos	Pack Básico
Iñaki	01-2018
Shanti	01-2018
WOG-0014	03-2018
WOG-0055	03-2018
WOG-0069	03-2018

3) In the API Key tab you can generate the private key for your computer services.

Mi cuenta

Datos personales Mis Planes y Servicios API key Configuraciones NO estándar

Generador de API key

¡Atención! La clave de API Key es privada y personal, por favor manténgala guardada y sólo compártala con desarrolladores autorizados

4) List of devices that have specific configuration different to the standard configuration. To change the settings, you can click directly on the configuration types.

Dispositivos	Portal Captivo	Preguntas	Límite tiempo de sesión wifi	Límite de velocidad
Iñaki	✓			✓
Shanti	✓	✓		✓
WOG-0014				
WOG-0055				

05/ Homepage: Dashboard

Dashboard

State of my vehicles



The data presented at the left side correspond to the number of devices connected in your fleet in relation to the total, which implies the number of vehicles active at that time. In the right side you can see the number of total DTC incidents of your fleet, as well as the alerts of those vehicles that have exceeded the maximum speed set for them.

State of my passengers

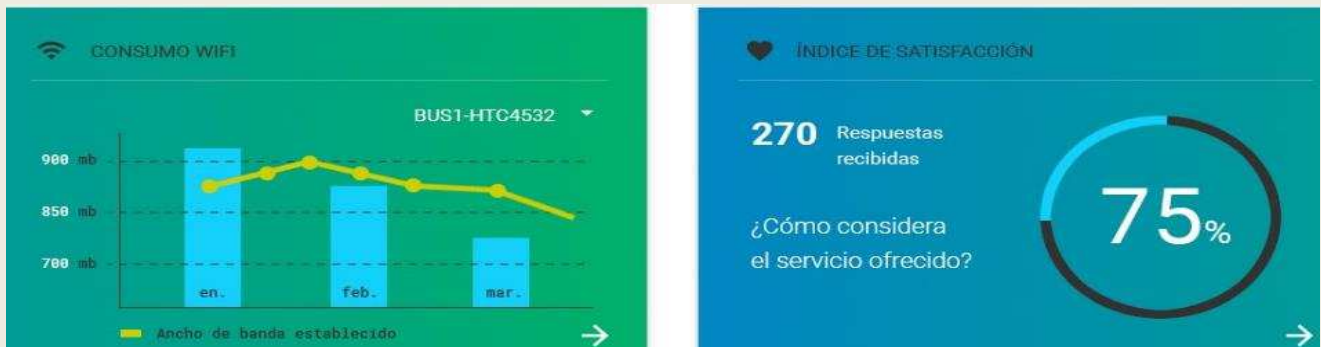


The left side corresponds to the total number of users connected to the Wi-Fi network of all your buses. In the right side you can see the total of registered passengers that you have in your customer database.

05/Homepage: Dashboard

Dashboard

Wi-Fi and Satisfaction



In this part of the information area you will be able to know the consumption of data that the cards are having (left side) and on the other hand the index of satisfaction of the passenger in relation to the question that has been formulated to them (right side).

Suevey Answers



You can see the results in relation to the questions that have been asked to the user. The questions will appear in the portal to access the network.

05/ Homepage:My

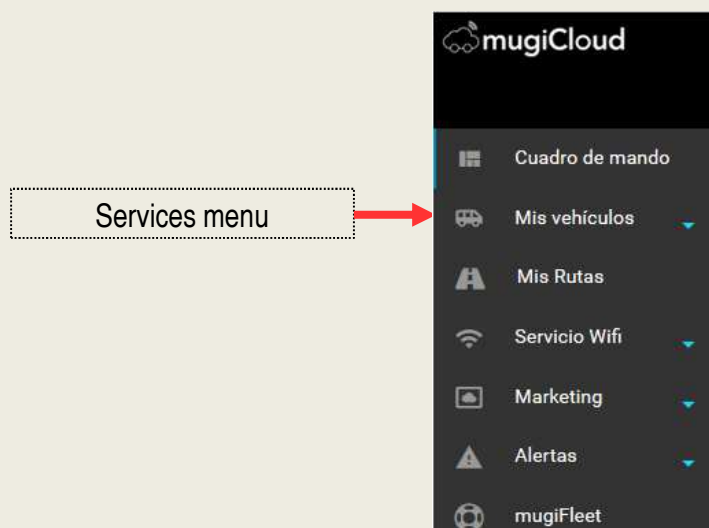
Dashboard

Geolocation

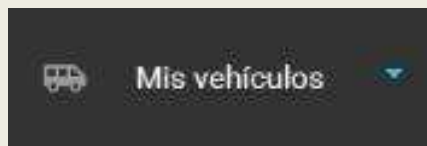


VEHÍCULOS	SITUACIÓN
	El vehículo se encuentra encendido y enviando señal de ubicación.
	El vehículo se encuentra encendido, pero sin enviar señales GPS por problemas de cobertura de la antena GPS.
	El vehículo se encuentra apagado. La ubicación mostrada corresponde a la última señal enviada por el GPS.

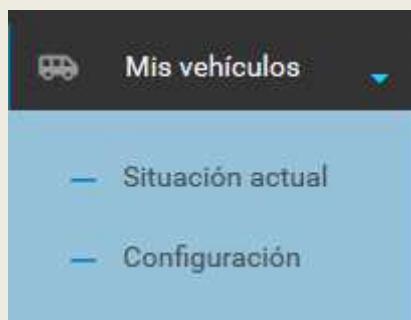
- It should be mentioned that each part that forms this information area of the home page has a direct access that will allow to expand the information shown or configure it. Otherwise, you can also access these details through the Services Menu.



06/ Vehicles

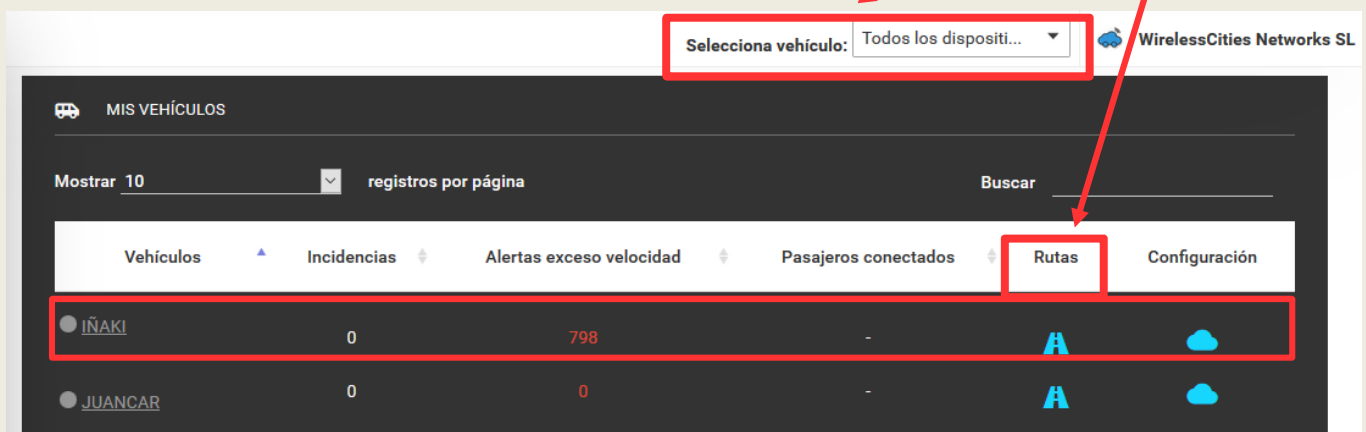
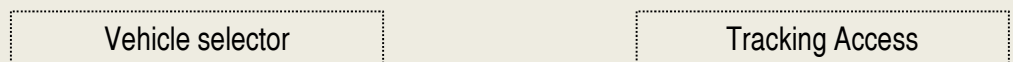


In this section of the service menu we will access all the information corresponding to my vehicles. Clicking on it will display two options: Current situation and Configuration.



My vehicles

When clicking on "Current situation" we will access a screen that shows the On-Board Diagnostics of the vehicle, where we will see the connected vehicles, the new DTCs or incidents detected, the speed alerts and the geolocation of the entire fleet, the tracking access icon and the configuration of the two Wi-Fi networks.



06/ Vehicles

My vehicles

Clicking on the routes icon or at showing the last trip we will access to this.

Selecciona vehículo: Todos los dispositi... WirelessCities Networks SL

Mostrar 10 registros por página Buscar

Vehiculos	Incidencias	Alertas exceso velocidad	Pasajeros conectados	Rutas	Configuración
IÑAKI	0	798	-		
JUANCAR	0	0	-		
MIGUEL ANGEL	49	0	-		
NACHO	0	263	-		

By this view it can be displayed on a table the travels between selected dates of any vehicle.




Selecciona vehículo: Todos los dispositi... WirelessCities Networks

Mis Rutas

15-03-2017 hasta 17-03-2017

HISTORIAL DE RUTAS

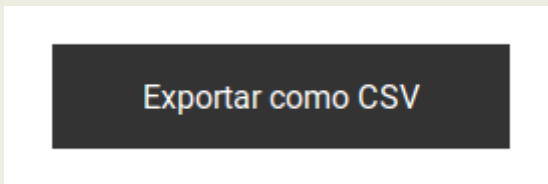
Mostrar 10 registros por página Buscar rutas

Vehículo	Ruta	Fechas	Detalle
Iñaki	Desde: Hegaztien Pasealekua, 6, 20009 Donostia, Gipuzkoa, España Hasta: Pakea Plaza, 6, 20009 Donostia, Gipuzkoa, España	Desde: 16-03-2017 15:43 Hasta: 16-03-2017 15:50	
WOG-1047	Desde: A-6177, 23740 Andújar, Jaén, España Hasta: Calle Alonso Coello, 19-21, 23750 Arjonilla, Jaén, España	Desde: 16-03-2017 14:37 Hasta: 16-03-2017 14:57	
WOG-1047	Desde: Calle de los Aceituneros, 45, 23740 Andújar, Jaén, España Hasta: A-6177, 23740 Andújar, Jaén, España	Desde: 16-03-2017 13:12 Hasta: 16-03-2017 13:29	

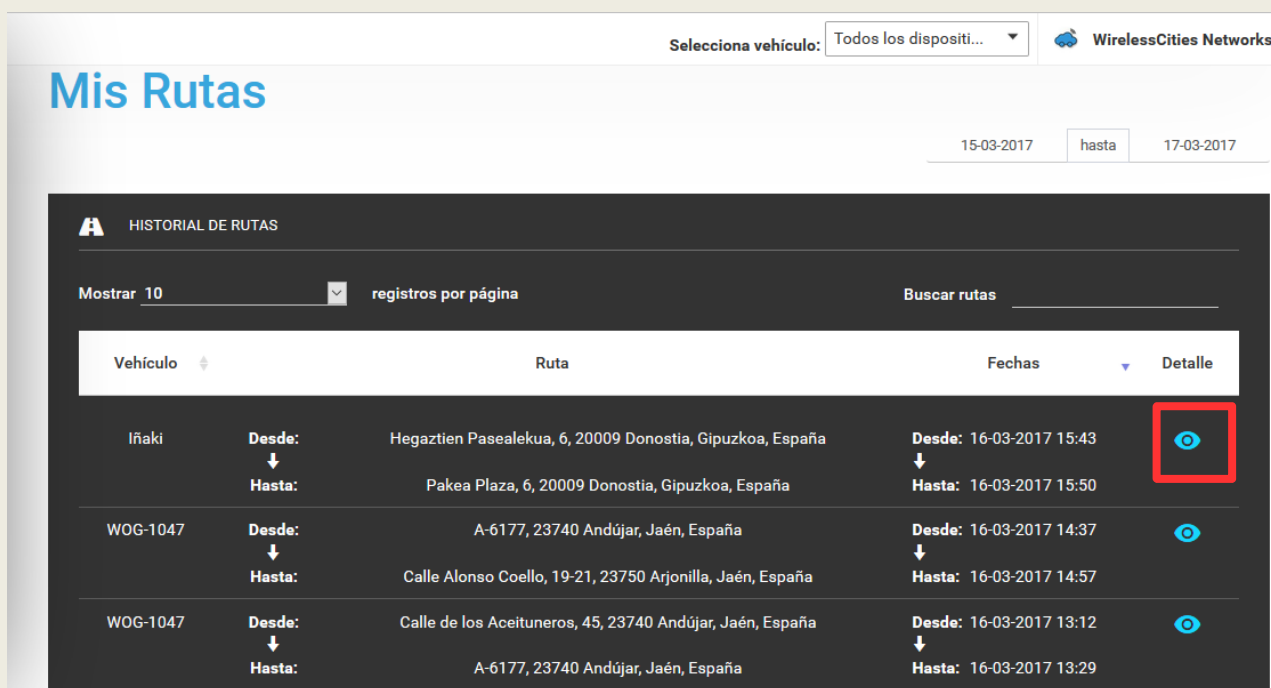
06/ Vehicles

My vehicles




By this view it can be displayed on a table the travels between selected dates of any vehicle.



With the Export as CSV button, you can obtain in an archive the list of trips with the origin, destination, duration and distance traveled.



The screenshot shows the 'Mis Rutas' (My Routes) interface. At the top, there is a search bar for 'Selecciona vehiculo:' with a dropdown menu set to 'Todos los dispositi...'. To the right is the 'WirelessCities Networks' logo. Below this is the title 'Mis Rutas' and a date range selector showing '15-03-2017' to '17-03-2017'. The main content area is titled 'HISTORIAL DE RUTAS' and includes a 'Mostrar 10 registros por página' dropdown and a 'Buscar rutas' search bar. A table lists three routes with columns for 'Vehículo', 'Ruta', 'Fechas', and 'Detalle'. The first route is for vehicle 'Iñaki', starting at 'Hegaztien Pasealekua, 6, 20009 Donostia, Gipuzkoa, España' and ending at 'Pakea Plaza, 6, 20009 Donostia, Gipuzkoa, España' on 16-03-2017. The 'Detalle' column for this route contains an eye icon, which is highlighted with a red square.

Vehículo	Ruta	Fechas	Detalle
Iñaki	Desde: Hegaztien Pasealekua, 6, 20009 Donostia, Gipuzkoa, España ↓ Hasta: Pakea Plaza, 6, 20009 Donostia, Gipuzkoa, España	Desde: 16-03-2017 15:43 ↓ Hasta: 16-03-2017 15:50	
WOG-1047	Desde: A-6177, 23740 Andújar, Jaén, España ↓ Hasta: Calle Alonso Coello, 19-21, 23750 Arjonilla, Jaén, España	Desde: 16-03-2017 14:37 ↓ Hasta: 16-03-2017 14:57	
WOG-1047	Desde: Calle de los Aceituneros, 45, 23740 Andújar, Jaén, España ↓ Hasta: A-6177, 23740 Andújar, Jaén, España	Desde: 16-03-2017 13:12 ↓ Hasta: 16-03-2017 13:29	

Clicking on the icon with an eye shape, access to the detail of the trip.

06/ Vehicles

My vehicles

In the Trip Detail view, it shows the place, time and date of start and end of the trip, distance traveled and average speed.

Detalles del viaje

INFO DEL VIAJE

Comienzo Via Acquette, 6, 35122 Padova PD, Italia
16-09-2016 14:09

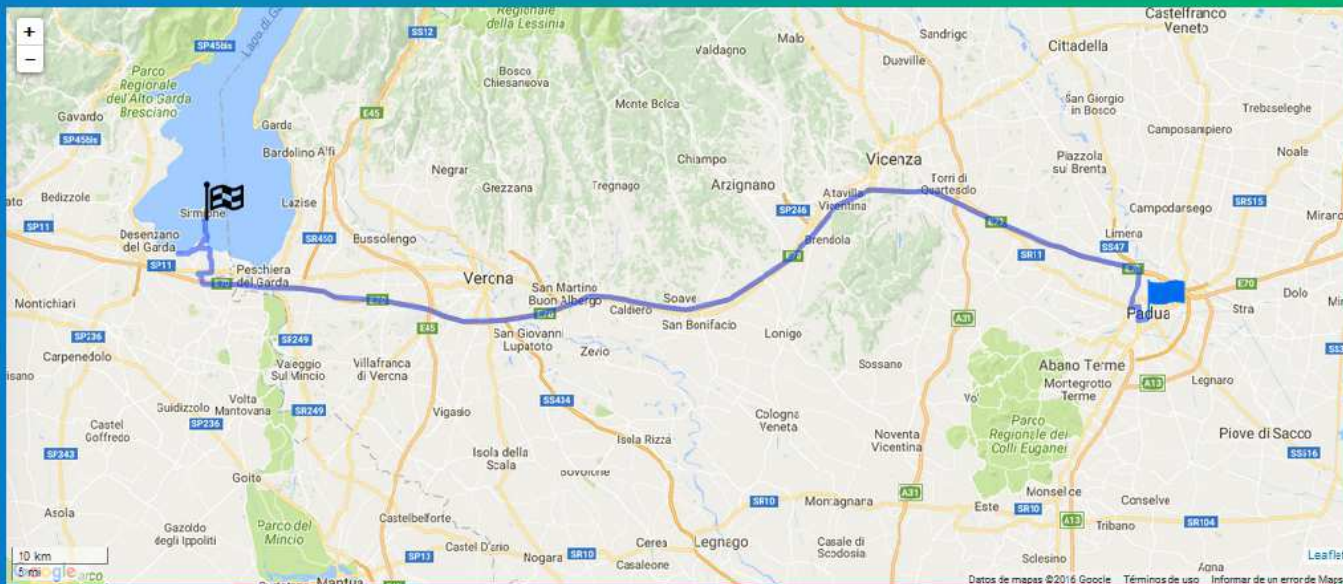
Distancia 127.27 km

Duración 2 h 1 m



Final Lungolago Armando Diaz, 3, 25019 Sirmione BS, Italia
16-09-2016 16:10

Velocidad media 53.00 km/h



Exportar como Excel

Imprimir mapa

06/ Vehicles

My vehicles

Returning to the section My vehicles / Current situation, in the upper right of the diagnostic box you will find the vehicle search engine. This will allow you to locate the vehicle from which you want to know the record information. When you locate it click on its name. You will be taken to the next screen that will allow you to know all the details of its status and its geolocation in real time.

Current state of the vehicle

Geolocation of the selected vehicle

ESTADO ACTUAL		Última actualización: 18-02-2016 14:08
Estado	On	
Etiqueta	Demo Iñaki	
Tipo de ignición	Gasolina	
Nivel de batería	14.10 V	
RPM del motor	2081 RPM	
Velocidad del vehículo	108 km/h	

Configuration

In this section, you can configure the Wi-Fi networks of each device, or globally for the set of devices associated to your account.

Selecciona vehículo: Todos los dispositi... WirelessCities Networks SL

Configuración de mugicloud Box

← Volver

GENERAL

Nombre

06/ Vehículos

My vehicle

Failures

A continuación se muestran las incidencias de DTC's identificadas en este momento. Recuerde que estas incidencias seguirán apareciendo hasta que no se resuelvan en el vehículo.

Mostrar 10 registros por página

Buscar

Descripción	Hora	Descartar
Unknown code: P1522	18-02-2016 13:55	
Unknown code: P1522	18-02-2016 13:23	
Unknown code: P1522	17-02-2016 15:30	
Unknown code: P1522	17-02-2016 15:20	
Unknown code: P1522	17-02-2016 13:07	
Unknown code: P1522	17-02-2016 12:42	
Unknown code: P1522	17-02-2016 11:54	

This section mentions the list of incidents detected in the "selected vehicle".

Current status of the device on board

At the bottom of the screen is the general information regarding the device that is in the vehicle and the signal from the mobile network.

ESTADO ACTUAL Última actualización: 18-02-2016 14:08

Información general

Etiqueta	Demo Iñaki
Nº de serie	WOG-0001
IMEI	356853051052738
Dirección MAC	BC:30:7D:23:7D:3C
Modelo	mugiCloud box
Fecha de fabricación	10-2015
Versión mugiOS	1.0-alpha
Tiempo encendido	7 m 45 s

Celular

Tipo de señal	LTE
Fuerza de la señal	<div style="width: 100%; height: 10px; background-color: #00FF00;"></div>
Datos transferidos	0 Bytes

[Configurar →](#)

06/ Vehicles

My vehicles

Current status of the device on board

At the bottom right is the "configure" button that will give us access to configure the private and public Wi-Fi network of each device per vehicle (Network name, password, security). You can also access it by the cloud icon in the diagnostics box.

The screenshot displays a configuration interface for a vehicle. It is divided into two main sections: 'GENERAL' and 'WIFI PRIVADO'.
In the 'GENERAL' section, there is a label 'Etiqueta' (Tag) with a text input field containing 'Demo Iñaki'. A red arrow points from a callout box to this field.
The 'WIFI PRIVADO' section contains three fields: 'SSID' with 'My Car', 'Contraseña' (Password) with a masked password '*****', and 'Seguridad' (Security) with a dropdown menu set to 'WPA2 (alta seguridad, menos compatible)'. A red arrow points from a callout box to the 'Seguridad' dropdown.
Below the 'Seguridad' dropdown, there is a checkbox labeled 'Mostrar contraseña' (Show password) which is currently unchecked. At the bottom of this section, there is a note: 'Modo de seguridad: WPA (seguridad media, compatibilidad media), WPA2 (alta seguridad, baja compatibilidad).'

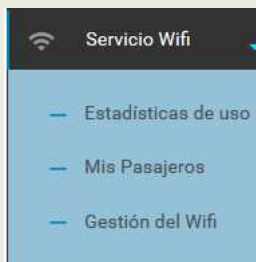
The name that will be assigned to the device

Name and password to be assigned to the private Wi-Fi network, as well as the security level for the network (WPA2 protection recommended)

Statistics

Clicking on "Statistics" will see the trend of incidents and speed alerts of vehicles. This will allow us to know the period of time the vehicle showed more failures or more speed excesses.

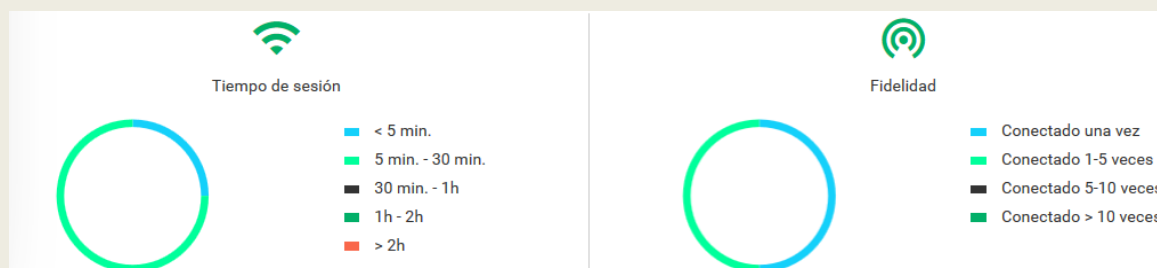
07/ Wifi Service



In the Wireless Service menu, when you access the Use Statistics section, you will find the number of passengers connected to the Wi-Fi network throughout the fleet, as well as the total number of times you have connected and the Wi-Fi consumption. With the selector of vehicles that we have in the upper right, we can select a specific vehicle.

My passengers.

In this section, graphs are also shown summarizing the evolution of the total users connected, the connection time and how many times they have repeated the service.



07/ Wifi Service

Wi-Fi management.

↑ VELOCIDAD DE SUBIDA

Aquí puedes concretar la velocidad máxima de subida que tendrán tus clientes, previniendo así el abuso de la conexión a Internet.

Subida ilimitada

Valor límite Kb/s

Con este límite los usuarios podrán:

- Enviar correos y/o mensaje de texto sin multimedia.
- Acceder a páginas web con multimedia, redes sociales
- Escuchar música on-line, descarga de multimedia
- Ver vídeos (Youtube)

↓ VELOCIDAD DE BAJADA

Aquí puedes concretar la velocidad máxima de bajada que tendrán tus clientes, previniendo así el abuso de la conexión a Internet.

Descarga ilimitada

Valor límite Kb/s

Con este límite los usuarios podrán:

- Enviar correos y/o mensaje de texto sin multimedia.
- Acceder a páginas web con multimedia, redes sociales
- Escuchar música on-line, descarga de multimedia
- Ver vídeos (Youtube)





⌚ FIN DE SESIÓN

Pon aquí el tiempo que el viajero estará conectado antes de que se le muestre el portal cautivo otra vez.

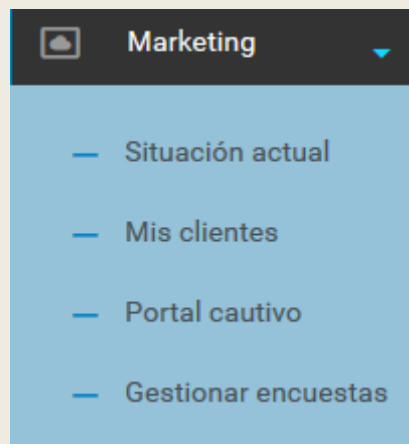
Sesión ilimitada

Valor límite minutos

Actualizar límites

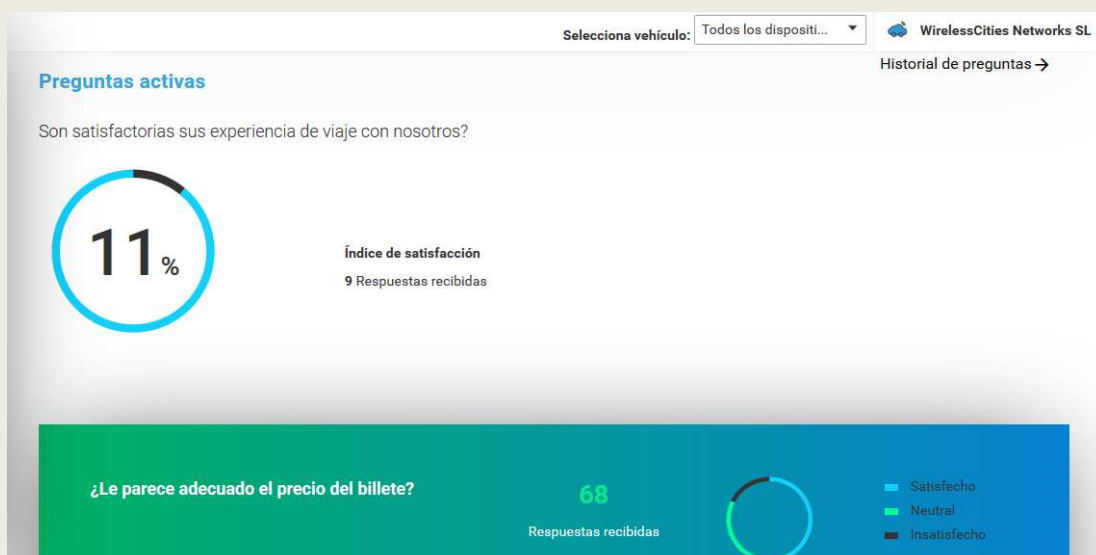
-  Enviar correos y/o mensaje de texto sin multimedia.
-  Acceder a páginas web con multimedia, redes sociales
-  Escuchar música on-line, descarga de multimedia
-  Ver vídeos (Youtube)

08/ Marketing



Current situation

In the current situation tab, we can see the statistics of the questions asked. These statistics can be seen in global for all the devices, or for each one of them if we use the selector of vehicles of the upper right.



08/ Marketing

Actual state

At the bottom of the Current Status screen is the button "Manage Surveys", this button will allow you to configure the questions that the passenger will encounter when connecting, that is, you can create new questions, modify existing ones, activate or deactivate them. It is worth mentioning that you can also access it by clicking on the "Manage Surveys" option in the Marketing drop-down. In this part, you can include one satisfaction question and three general questions.

PREGUNTAS DE SATISFACCIÓN

	Publicado	Detalles
¿Estás satisfecho con el nuevo servicio Wifi?	✓	👁️

Mostrando la página 1 de 1

Añadir pregunta de satisfacción

QUESTIONS

	Publicado	Detalles
¿Está satisfecho con el precio medio del billete?	✓	👁️
¿Le parece correcta la puntualidad del servicio?		👁️
¿Que opinión tiene sobre la limpieza de los autobuses?	✓	👁️

Mostrando la página 1 de 1

Añadir pregunta

Buttons that allow you to edit each question, as well as its status (Published, unpublished or draft)

Historial de preguntas

	Detalles
¿Le parece interesante disponer de wifi gratuito durante el viaje?	👁️
¿Que le parece el nuevo autobus?	👁️
¿Que te parece el modo de conducción del chofer?	👁️

Mostrando la página 1 de 1

08/ Marketing

My clients

By clicking on my passengers in the "Marketing" drop-down list, we will access the list of users that have registered and the information request to access our Wi-Fi network.

At the bottom right we find the button "Export as CSV" that will allow us to export our data to a BB.DD. processor.

The screenshot shows a web interface titled "Mis clientes". It features a table with the following columns: "NOMBRE", "E-mail", "Teléfono", and "Borrar". The table contains 10 rows of client data. At the bottom right of the table, there is a button labeled "Exportar como CSV". A red arrow points to this button. The interface also includes a search bar, a "Show 10 entries" dropdown, and pagination controls at the bottom right.

NOMBRE	E-mail	Teléfono	Borrar
	joseba_zubizarreta@hotmail.com		✕
	fuensanta@gmail.com		✕
	jzubizarreta@mugicloud.com		✕
	xoneca@mugicloud.com		✕
	mlancho@mugicloud.com		✕
	jgoiko2010@hotmail.es		✕
	Goiatz@suurbil.com		✕
	Ane_iturzaeta@hotmail.com		✕
	alopez@mugicloud.com		✕
	aiturzaeta@mugicloud.com		✕

Showing 1 to 10 of 99 entries

Previous 1 2 3 4 5 10 Next

Exportar como CSV

08/ Marketing

Captive portal

By clicking on "captive portal" we can configure the homepage that the user will see when they want to connect to the public Wi-Fi network.

Within the possible configurations we can:

- 1) Choose what data we will ask to our passengers.
- 2) Choose which screen will be found when entering the homepage.
- 3) Upload our logo.
- 4) Customize the text that will be displayed in the portal.
- 5) Add the legal text that corresponds to the use of the public HotSpot.

Portal de acceso de usuarios

Personalizar el portal

1. ELIGE LO QUE QUIERAS CONOCER DE TUS PASAJEROS:

- Nombre
- E-mail
- Teléfono

2. ELIGE LA PLANTILLA QUE QUIERAS USAR



Classic



Modern

3. ELIGE TU IMAGEN

Logo

Alto: 90 pixeles
Archivo: jpg, gif, png

Seleccionar archivo




08/ Marketing

Captive portal

4. PERSONALIZA EL CONTENIDO

Título: Difruta del WiFi a Bordo con mugCloud


Mensaje: 
¡Simplemente introduce tus datos para que podamos ofrecerte un mejor servicio y dale al botón conectar.
¡Gracias por viajar con nosotros!

URL destino: <http://www.mugcloud.com>

Twitter: <http://twitter.com/mugbox>

Facebook: <http://Facebook.com/mugbox>

5. LÉA EL TEXTO LEGAL

Texto legal: 
LA GUAGUA S.L. : Términos y Condiciones del servicio Wi-Fi

When modifying any section, you can have a preview of how your homepage would be before uploading it to the network, you must first click the "Update settings" button and then "Look the homepage".



08/ Marketing

Captive portal

The design of the portal will be configured in point 2 of the Captive Portal.

The content will be personalized in point 4 of the Captive Portal.



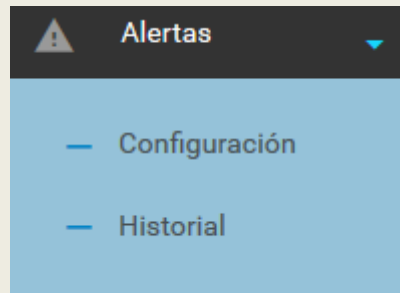
The company logo is displayed. This is customizable in point 3 of the Captive Portal.

The screenshot shows a captive portal interface with a green header and a white background. The main heading is "Disfruta del WiFi a Bordo con mugiCloud" in green. Below it, there is a sub-heading: "Simplemente introduce tus datos para que podamos ofrecerte un mejor servicio y dale al botón conectar." followed by two lines of text: "Gracias por viajar con nosotros!" and "Déjanos conocerte un poco:". The central part of the page is a green box containing a registration form with fields for "Nombre:" and "E-mail:", a checkbox for "He leído y acepto los términos y condiciones de uso", and a "Conectar" button. Below the form, there is a disclaimer in small text: "En ocasiones, es posible que durante el trayecto haya cortes intermitentes porque las compañías telefónicas no ofrecen cobertura. No te preocupes. Tan pronto como la señal se restablezca volverás a estar conectado automáticamente." and another line: "Con este servicio podrás disfrutar de WiFi y usarlo como tu prefieras." At the bottom of the green box, there are three icons: an envelope, a globe, and a speaker. Below the green box, there is a copyright notice: "© 2016 WirelessCities Networks".

The user can see the applications that can access with our Wi-Fi service. This will be configured in the "Wi-Fi Services" section of the services menu.

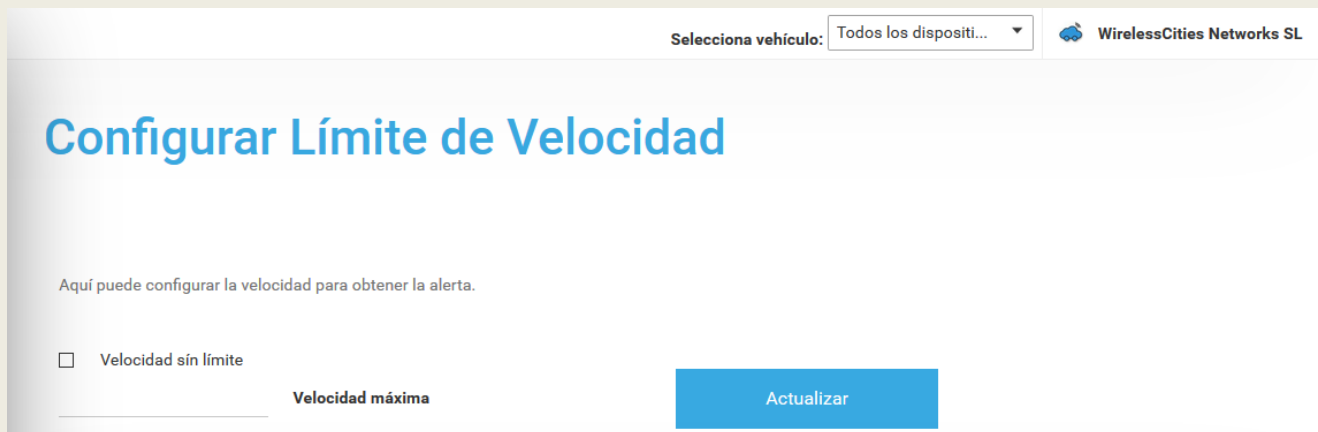
Information that will be requested to the user for access to the Wi-Fi network. This will be configured in point 1 of the Captive Portal.

09/ Alerts



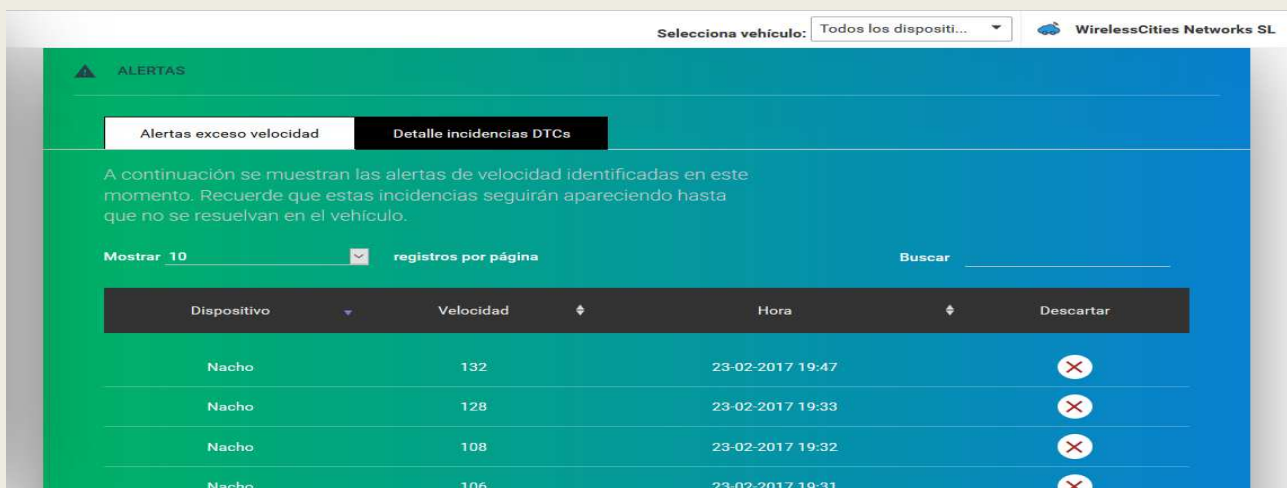
Configuration

In this section, we can configure speed alerts for each of the devices or for all devices in global.



Record

In this section, we can see all the speed alerts as well as DTCs or diagnostic alerts.



10/ Information of interest

Websites

- Open Signal: Website that shows the operator coverage throughout the national territory: <http://opensignal.com/>
- Speedtest: Website that will allow you to know the internet speed.

Download capacity chart

The following table display the **approximate** number of users who can download certain content at the same time whether they are on a 3G or 4G network.

Criteria such as the coverage and type of hiring data can divert these numbers.

Capacidad	NÚMERO DE USUARIOS	EN UNA RED HSPA + (3.5 G)			EN UNA RED LTE (4G)		
		VODAFONE 23 Mbps	MOVISTAR 27 Mbps	ORANGE 22,78 Mbps	VODAFONE 52 Mbps	MOVISTAR 44 Mbps	ORANGE 31,6 Mbps
Mensajes de texto		320	350	310	813	688	494
Streaming de audio (calidad media)		150	200	140	406	344	247
Fotos media resolución		90	105	89	203	172	123
Streaming de vídeo (360p)		45	53	44	102	86	62
Streaming de vídeo (720p)		11	13	11	25	21	15



mugiCloud

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