

FLEET MANAGEMENT SUITE

FLEET MANAGEMENT is a management SW fleets, divided into 9 modules and allows both the execution of all activities for a correct management of a fleet of vehicles is not limited to rolling stock, but also to a fleet of buses, trucks and ferry's.

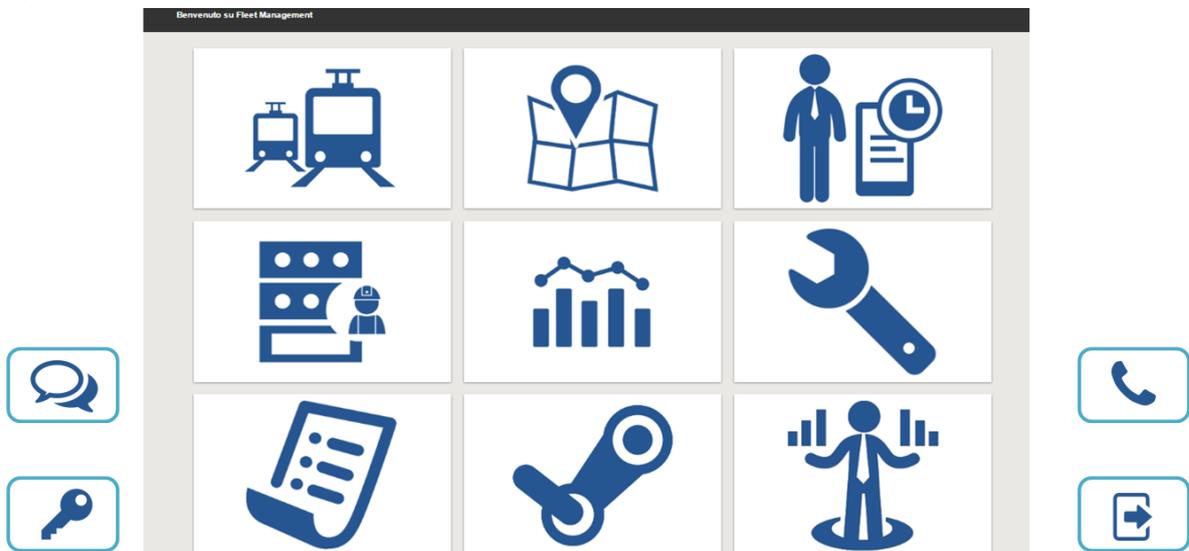
At this point in time it follows Italian standards ANSF (Agenzia Nazionale per la Sicurezza ferroviaria) and ECM (Entity in Charge of Maintenance), but it can be adapted to specific Standard requirements for individual operators and countries.



Available modules :

1. **Fleet**
2. **Geolocation**
3. **Driver Management**
4. **Skyll Safety Management**
5. Counters and Preventive Maintenance
6. **Corrective Maintenance**
7. **Work orders**
8. **CAPRI** (can be operated in a stand alone mode)
9. **Statistics**

In addition there will be two icons for online support through chat and specialized personnel for remote support. The use of the SW, is specifically required for maintenance (experienced staff in remote).



Through the most advanced technology IOT (Internet of Things), the driver/maintenencer links (via the devoted appcation) the available functions on their smartphone, allowing the management of the rolling stock to connect with Suite Fleet Management.

MODULES AND FLEET MANAGEMENT



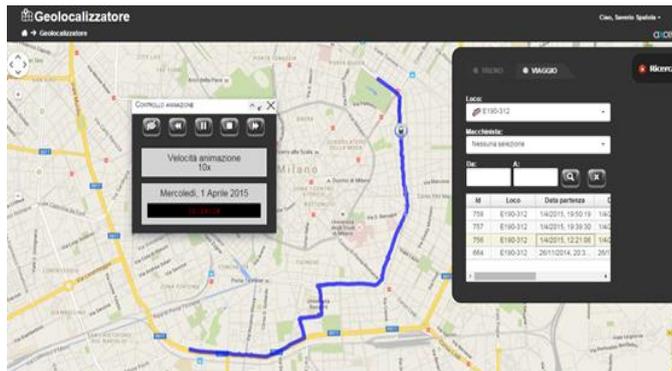
Fleet covers overall supervision and a summary of the fleet of vehicles under management.

Modello	Tipologia	Chassis	Immagine	Prodotto	Entrata in Servizio	Prodotto (Anno)	Chassis (Anno)	Vel. Max (km/h)	Cap. (Passengeri)	Consumo (litri/100km)	CO2 (g/km)	Classe	Stato	Localizzazione
...

It allows viewing of all available statistics for the individual each vehicle (average speed, operation times, inoperative and has stopped. etc.). It also enables the creation of new ways to manage the fleet and the editing of general management data. The Welcome screen is of greater importance for the proper management of the fleet and the compliance with the ANSF for SRM requirements (ECM).



The Geolocation module covers the position of the fleet under management. It allows for the display of a map where the vehicle is currently located (the last information received).



Through a drop-down window, the fleet can be selected in units or groups of vehicles. By Choosing a time window you can see the movement of the vehicle in that timeframe (displacements geolocated)

After selecting the journey, you can see the movements of the vehicle, adjusting to suite the playback speed of the animation.



Driver Management regards the general supervision and management of drivers of the vehicles. It presents a list of drivers, with personal and administrative data, managing the authorizations, maintenance and operational availability.

Cognome	Nome	Matricola	Storia Viaggi
Amirante	Francesco	MATR-123	🕒
Consiglio	Tania	MATR-234	🕒
Spatola	Saverio	MATR-135	🕒
Camera	Angelo	MATR-672	🕒
Marciano	Riccardo	MATR-480	🕒
Pistoia	Giuseppe	MATR-483	🕒
Favazza	Luca	MATR-001	🕒

It can provide the current geolocation of the drivers with the corresponding vehicle. It also shows the team of drivers (or the individual drivers if a filter is applied) in a monthly sheet. It also indicates the actual hours each driver has spent driving a particular vehicle.

Therefore it allows a time tracking association of the driver to the fleet on schedule. It permits the prints of the operating hour sheets, with all the filters of the case.

MODULES AND FLEET MANAGEMENT



The Safety Skills Management covers part of the overall supervision and management skills of maintenance personnel and their activities on vehicles. It presents a list of maintenance personnel, with all their personal and administrative data, management qualifications, vehicle maintenance and operational availability. It also allows you to view the future assignments of personnel on planned upcoming maintenance.

Gestione competenze manutentori															
Avatar	Cognome	Nome	Maticola	Deposito	Carrelli	Porte	Impianto Pneumatico e Idro	Impianto Antiriscaldamento	Circuiti Elettrici	Rodaggio	Telaio Cassa	Trazione e Ripulizione	SCMT	Controlli non Distruttivi	Salature
	Bortone	Davide	MATR-856	Napoli	<input checked="" type="checkbox"/>										
	Galiano	Fabio	MATR-857	Napoli	<input checked="" type="checkbox"/>										
	Rossi	Mario	MATR-856	Novara	<input checked="" type="checkbox"/>										

It also presents for the maintainer team (or individual maintenance in case of filter), its monthly operating sheet (filterable also on a historicizing chosen), the time actually spent in the execution of maintenance activities... It allows the management of the maintenance of skills, and presents a warning flag if a maintainer has not worked for some time on one of the the safety devices (managing italian standards ANSF requirements).



This presentation is part of the kilometers traveled and the related planning of maintenance activities. Each type of resource has its own maintenance plan. The system presents the current km, and the subsequent maintenance deadlines. Also knowing the average distance of the last period, the system can estimate the probable dates of opening of the Maintenance allowing a planning calendar of interventions...

The planning of actions is then connected with its assignment of work orders, the assignment of the maintenance personnel according to the skills required, the issuance of the check list on the workorder.

All this can be filtered to single vehicle, for location provided for maintenance and for type of Maintenance.



Manutenzione correttiva										
Ordinativo	Treno	Data apertura	Dati completi	Moduli checklist compilata	Gestisci intervento	Deposito	Data chiusura ufficiale	Tempo impiegato (ore)	Manutentori	Limitazioni
141	E190-311	06/03/2015 13:53:12						0		
140	EU43-001	06/03/2015 12:47:00						0		Limitata 90 km/h
139	EU43-001	06/03/2015 14:34:22						0		
138	D753-732	04/03/2015 17:42:32						0		
137	D753-732	04/03/2015 13:53:40						0		
136	E190-311	25/02/2015 17:25:29						0		
135	E190-311	11/02/2015 02:43:45						0		Limitata 90 km/h

The initial part is compiled directly by the driver in parallel to the completion of the logbook in a specific window of the app on your smartphone. The closure part is compiled by the maintainer, always on smartphones, in conclusion of the intervention, and allows the automatic implementation of the checklist.

The third part integrates directly with Capri for the identification of replaced parts and emits in the automatic request for materials from stock.

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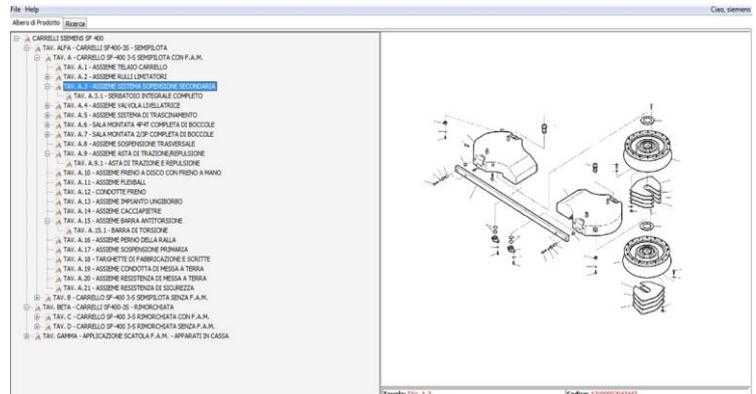
This part consists in the historical work orders, and their check list ([compliance statements](#)) connected. All this can be displayed / filtered by operator, fleet, single vehicle, place for maintenance, by type of intervention (preventive or corrective), by dates, etc ...

Ordinativo	Treno	Tipo manutenzione	Stato	Data sportata	Dati composti	Modulo checklist	Obiettivo intervento	Manutenzioni
141	E190-311	Correttivo	Aperto	06/03/2015 13:53:12				
140	EU43-001	Correttivo	Aperto	06/03/2015 12:47:00				
139	EU43-001	Correttivo	Aperto	05/03/2015 14:34:22				
138	D753-732	Correttivo	Aperto	04/03/2015 17:42:22				
137	D753-732	Correttivo	Aperto	04/03/2015 13:53:40				
136	E190-311	Correttivo	Aperto	25/02/2015 17:28:29				
135	E190-311	Correttivo	Aperto	11/02/2015 16:57:50				
134	E190-311	Correttivo	Aperto	11/02/2015 11:54:29				
133	E190-311	Correttivo	Aperto	11/02/2015 11:52:02				
131	D753-732	Correttivo	Chiuso	04/02/2015 14:58:03				

It also allows the creation of self work orders (specifically identified).



Capri is an intuitive user interface, consisting of an interactive catalog, which creates a link between the drawing of components and spare parts, and its objective is to facilitate the compilation of the order.



This module allows to perform useful statistics for analysis of maintenance and reliability, using all available filters (operator, failure, train, time, etc ..)



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