

# M-Fleet

M-Fleet is the solution to manage trucks by remote. M-Fleet keeps the complete distributive process under control, with many levels of detail, through maps, tabs, statistics, graphics. Wherever you are, you can receive real-time information: via web, sms and fax.

M-Fleet is scalable, to make you select only the functions that you need and add new ones when you wish so.



## Positioning (Basic)

Historical and real-time localization of one, all or selected vehicles. Information is displayed via web (pc or pda) and sms. Vehicles can be localised manually or automatically at predefined times.

## Deliveries scheduling and satellite navigation

Load planning and allocation are optimised to reduce mileage and improving the vehicle allotment (just to make an example: same vehicle for delivery-points in the same area). The planning function calculates the best route, which is particularly useful in case of many delivery-stops.

At the beginning of their turns, drivers can visualize the list of deliveries, and the suggested optimised route, on their on-board device which provides navigation and communication functions as well. Scheduling aims at saturating vehicles and improving trips to ensure timely and effective service. Whenever a change in scheduling is necessary, vehicles are instantaneously re-allocated and the involved drivers can visualize the changed plan, in real time. The Movactive on-board (navigation) device configures the best routes, providing usual navigation features.

The *Stops download function* checks and confirms deliveries against planning, in real time (or at postponed times, with configurable historical report).

## Alarm calls (On event)

It identifies only the data that you need, when you require it, according to your customized profile. For example: exceeded predefined speed limit; open chamber, entrance/exit in surrounded area; start after, stop more than, forbidden transit, overtime drive hours, delivery after..., and more.



## Report

Routes report: list of daily trips.  
Detailed route report: details of each localisation.  
Vehicle report: drive and stop hours, daily and total mileage, temperature, etc.

### REPORT VIAGGI

Veicolo: 143      Targa: MB19819

Numero Viaggio	PARTENZA Accessione motore ora - min	Località di Partenza	ARRIVO Spegnimento Motore ora - min	Località di Arrivo	Velocità Media	Velocità Max	Velocità Min	Temperatura Motore	Consumo Litri/100km
1	01/02/2008 07:11:55	SS36 Nuova Valassina Via San Giuseppe	01/02/2008 07:37:35	Desio Via due Palme	0:25:40	0:08:05	7	32	3.0
2	07:45:40	Desio Via due Palme	08:03:15	SS36 Seregno/Via San Giuseppe	0:17:35	0:00:02	5	32	1.5
3	08:03:17	SS36 Seregno/Via San Giuseppe	08:16:02	SS36 Nuova Valassina/Via due Palme	0:12:45	2:15:07	6	32	1.3
4	10:31:09	SS36 Nuova Valassina/Via due Palme	10:54:54	SS36 Seregno/Via San Giuseppe	0:23:45	1:58:27	3	25	1.2
5	12:53:21	SS36 Seregno/Via San Giuseppe	15:42:16	AS2 via Risorgimento/SP131/16a per Cinsello	2:48:55	0:55:12	8	41	22.5
6	16:37:28	AS2 via Risorgimento/SP131/16a per Cinsello	16:40:46	AS2 via Risorgimento/SP131/16a per Cinsello	0:03:18	1:48:26	0	-	0.0
7	18:29:11	AS2 via Risorgimento/SP131/16a per Cinsello	19:47:32	AS2 via Risorgimento/SP131/16a per Cinsello	1:18:01	-	7	41	9.1

Tempo totale in moto: 5:25:59  
 Tempo totale in sosta: 7:05:18  
 Tempo totale primo accensione ultimo spegnimento: 12:35:17  
 Spazio totale percorso: (km): 36.6

# Benefits

- Overall and personalized monitoring
- Information in mobility
- Cost reduction from increased productivity
- Costs reduction from improved processes
- Outsourcing
- Increased revenues
- Increased customers satisfaction
- Security
- Easy to use
- Timely and flexible service
- Data integration into enterprise data-base

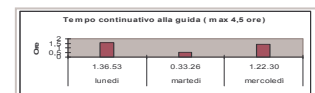
# Architecture



## ➤ Driver Identification

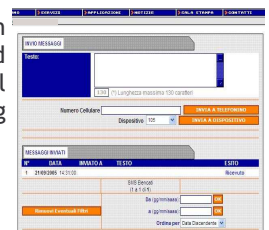
Driver identification increases the security of vehicles as it enables only authorised personnel to driving. Driver code/name can mark all reports and information as: drive hours, stops, activities, routes.

NO	DATA INIZIA	DATA FINE	LETTORE	LIMPIATORE	LOCALITA'	CODICE CLIENTE
1	08/02/04	09:00:00	0000000	000000	CAPO D'ORO	00000000
2	08/02/04	10:30:30	0000000	000000	CASALE VERCELLINE	00000000
3	08/02/04	11:00:00	0000000	000000	CASALE VERCELLINE	00000000
4	08/02/04	11:30:00	0000000	000000	NOVARA	00000000
5	08/02/04	12:00:00	0000000	000000	CASALE VERCELLINE	00000000



## ➤ Messaging

The navigator device enables the communication between drivers and office: drivers can send and receive free and pre-written text, such as: successful delivery, rejected delivery, absent addressee, wrong goods, damaged goods, delay, crash and so on.



## ➤ Security

To protect vehicles, as well as drivers and freight, M-Fleet sends automatic alarm calls in case of: misuse/breakdown, emergency, intrusion control, charge gate, doors open, truck trailer, crash, emergency or other activated sensors.

The Movactive Operating Centre notifies to and calls for emergency-rescue institutions and a list of pre-selected phone numbers.

