

TELEMATICS SYSTEM



# SPRING ONE

SOFTWARE FOR OFFICE



**SPRING**  
**MACHINE CONTROL**  
ON BOARD ELECTRONIC SYSTEMS





This family of products is the result of the work of a team that has been carrying out for more than 20 years.

We have been designing – manufacturing – selling – installing electronic systems for industrial vehicles for more than 20 years.

**In a field where the manufacturers usually relay on the usual partners we have started a project called DAVIDE <sup>US</sup> GOLIA**

At SPRING machine control we are proud to be able to concentrate on an important goal even in such a difficult period of crisis.

**We are proud of our results, because we obtained them thanks to our own strength, ideas, capability, passion and above all thanks the faith that our clients put in our company.**

Our goal is not only to satisfy a technical request but also to offer a wide range of high performance products that can give profit from the management point of view.

**Your profit is an important part of our project.**

Please read carefully to better understand our **DAVIDE <sup>US</sup> GOLIA**

**Special thanks:**

Clients– above all those who took the project to heart

R&D Smc

UTEK Smc

Technicians Smc

Suppliers Smc - above all those who overcame the obstacles

Thanks of taking part to the project **DAVIDE <sup>US</sup> GOLIA**



# SPRING ONE

## Office software for automated integration

SPRING ONE is the software that SPRING has created to help the Societies to manage its fleet.

This software permits to integrate **every mobile machine and industrial plant** with **any type of telematic system** on board and manage them from a **unique interface**, directly from own PC.

You can **send orders** to the machines and plats, **control the production**, receive the **working data** with time and weights, **monitor the fleet** and use the history and **statistic pages, plan the rentals and the maintenance**.

### ITS STRENGTH:

- Unique software, simple and easy-to-use
- With a single software you manage all the machines and plats
- Overall control of the production
- Plan and place working orders
- Statistics and working data
- Rentals management
- Maintenance program



Software, hardware e sensori sono progettati e commercializzati con il nostro marchio.



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## SPRING ONE

### Unique dashboard for your Society

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SPRING ONE permits to integrate **every mobile machine and industrial plant** with **any type of telematic system** on board and manage them from a **unique interface**. In real time this software receives data from each system and in the statistics page you can **check your production and improve your efficiency**.



## SPRING ONE

### Production monitoring

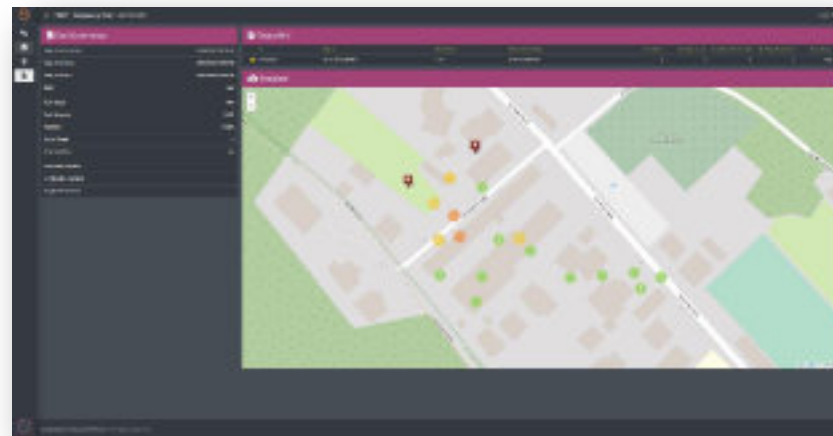
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SPRING ONE permits to **plan the activities** of your plats and vehicles. In according to the system on board, the software enables only some fields to fill with the working information. You can **add for example a ware, its quantity to load or the time lapse of the construction site.**

As you have placed an order, the User can visualize it on the display and App. **In according to the working development, you can see new data appearing in the software.**



*Orders list for each system*



*Details of working development*

## SPRING ONE Statistics

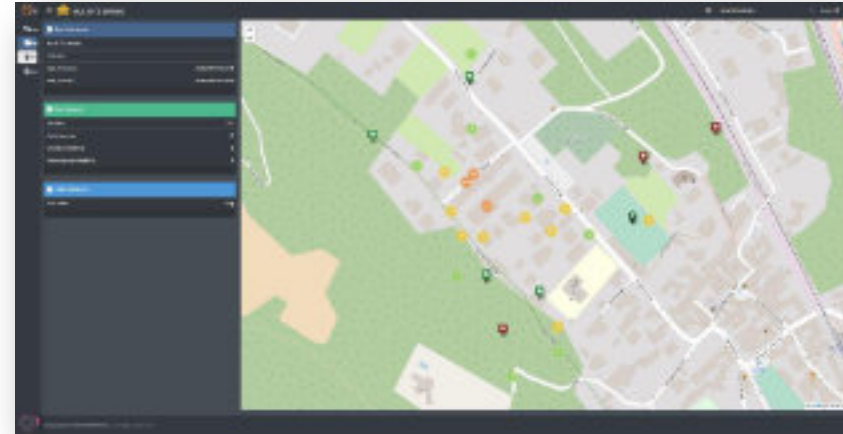
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The software gives lots of information about the machines and the production you are doing, for example **Volume, Weight, Flow rate, Working hours, Working places, Speed, Energy use, Temperature, Oil pressure...**

With these data you can **optimize production process, increase the efficiency, better manage the productive resources, search and solve problems and anomalies.**



*Example of comparison of values among different machines*



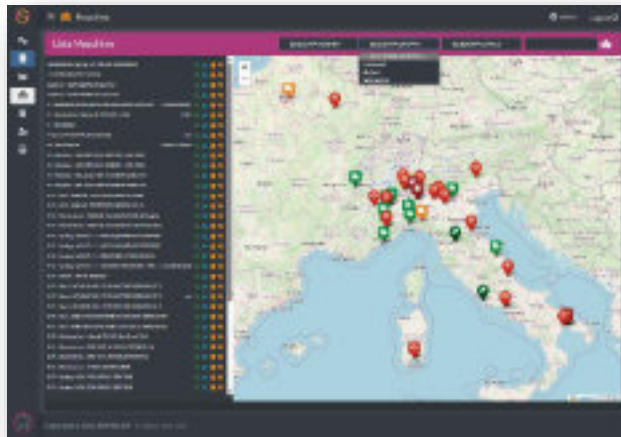
*Value of a single plant*

# SPRING ONE Fleet management

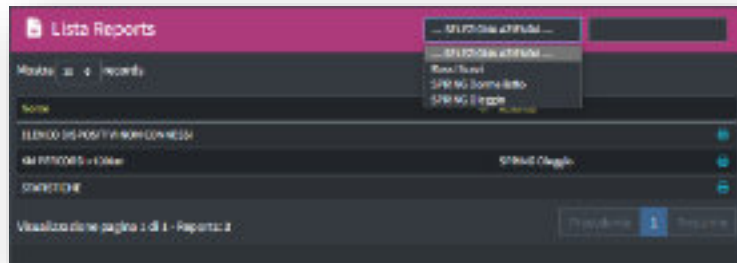
This software permits to visualize in real time your vehicles in the **Map** and verify the **status** (if off, at work, moving...).

You can select different **filters** that permit, for example, to divide your machines in **groups** or associate them with **different companies**.

SPRING ONE can create different **customized reports** that you will receive periodically with data you are interested in. For example working time, routes, production data, consumptions.



Map with Vehicles and Filters



**Medie e produzione mensili**

Data	SPORCHIO		COMPRESSIONI			LAVORI REND.							
	Presenze tot	Totale Battenti tot	Produzione Prestati tot	Produzione Prestati SRL	Produzione Lavori tot	LINEA 1			LINEA 2				
						Produzione Comandi tot	Produzione Prestati tot	Temp. T	Prodotto Comandi SRL	Produzione Prestati tot	Temp. T	Prodotto Comandi SRL	
202403	14.04	314	12.11	35.03	11.36	0.83	32.21	12.43	12	287.31	12.32	11.83	4.817
202402	12.04	3.861	12.07	10.14	17.23	0.83	32.21	10.07	18	242.51	10.02	11.71	4.834

**Medie e produzione giornaliera mese precedente**

Data	SPORCHIO		COMPRESSIONI			LAVORI REND.							
	Presenze tot	Totale Battenti tot	Produzione Prestati tot	Produzione Prestati SRL	Produzione Lavori tot	LINEA 1			LINEA 2				
						Produzione Comandi tot	Produzione Prestati tot	Temp. T	Prodotto Comandi SRL	Produzione Prestati tot	Temp. T	Prodotto Comandi SRL	
20240304	14.04	410	12.14	32.04	14.21	0.83	34.88	13.44	11.88	270.74	14.02	11.02	5.801
20240303	14.04	478	12.17	32.88	13.24	0.79	33.80	12.78	12.06	269.82	13.91	11.02	5.873
20240302	8.04	386	11.27	24.87	11.23	0.85	37.36	8.73	8.98	166.74	11.28	11.08	3.786
20240301	8.04	380	11.19	24.81	11.21	0.83	32.97	8.03	8.98	163.40	10.88	11.44	3.783
20240229	14.04	470	12.18	30.00	12.21	0.83	32.46	11.02	7.26	230.12	12.46	11.11	5.786
20240228	14.04	468	12.13	30.88	12.34	0.83	33.72	8.83	12.06	183.03	12.12	10.01	5.876
20240227	13.04	470	12.25	30.40	14.51	0.83	30.09	10.00	8.98	173.08	10.10	11.66	5.888
20240226	14.04	548	12.21	36.17	14.81	0.83	34.37	10.86	13.94	200.03	10.10	11.28	3.748

Some Examples of Reports

## SPRING ONE Rentals

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Thanks to SPRING ONE you can easily **manage the rentals of your fleet**.

The interface shows the **machine availability**, the **schedule with the contracts signed** and its duration and permits to **add new contract** by your own, by changing text and information.

When a rental finishes, a **report** is created and it will show you the **data about the vehicle use** (weekday and weekend) and you **can add notes** about damage or ticket.



Day	Contract 1	Contract 2	Contract 3	Contract 4	Contract 5
02/01/2022					
02/02/2022					
02/03/2022					
02/04/2022					
02/05/2022					
02/06/2022					
02/07/2022					
02/08/2022					
02/09/2022					
02/10/2022					
02/11/2022					
02/12/2022					
02/13/2022					
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04/28/2022					
04/29/2022					
04/30/2022					
05/01/2022					

*Rentals schedule*

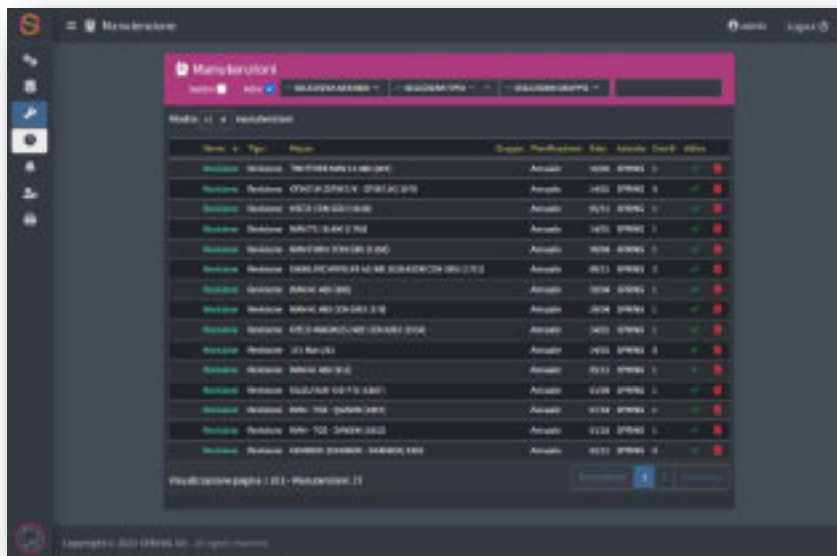
# SPRING ONE Maintenance

The SPRING ONE software permits to **manage the maintenance of plants and mobile machines**, you can **plan the service** you have to do.

You can **customize each maintenance** choosing the vehicle/plant, the value you have to reach, time and date, the recurrence of the check-up, the description.

When you reach the limit value or the time and date selected, a **notification will be generated** and advise you about the service.

As you have done it, the maintenance is closed, you can add information like end time and date, user's name and related notes. You can check all the maintenance in the **list**.



The screenshot shows a dark-themed software interface with a sidebar on the left and a main content area. The main area displays a table titled 'Manutenzioni' with columns for 'Nome', 'Tipo', 'Descrizione', 'Data', 'Stato', 'Fornitore', and 'Data prin.'. The table contains multiple rows of maintenance records, each with a green checkmark in the 'Stato' column, indicating they are completed.

Maintenance list



The screenshot shows a light-themed software interface with a header 'SPRING' and a title 'Scadenze manutenzioni'. Below the title, there are two sections: 'AUTOCARRI 60 Q.U. CASSONE RIBALTABILE TRILATERALE' and 'AUTOCARRI SUPERIORI QU 35'. Each section contains a table with columns for 'Materiale', 'M', 'Descrizione', 'Data', 'Stato', 'Fornitore', and 'Data prin.'. The 'Data' column shows dates, and the 'Stato' column shows icons (yellow triangles) indicating upcoming deadlines.

Report about Maintenance deadlines

## SPRING ONE Maintenance

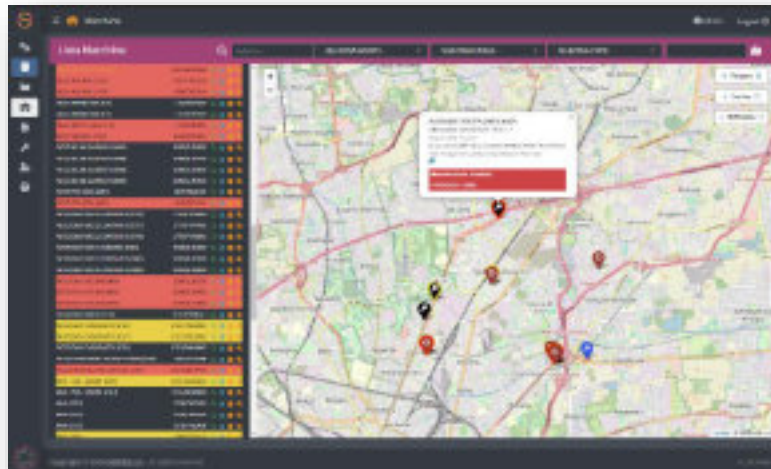
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The software permits to easily identify the vehicles **with expiring or expired maintenance** both on the map and on the list, using lighting writing and icons.

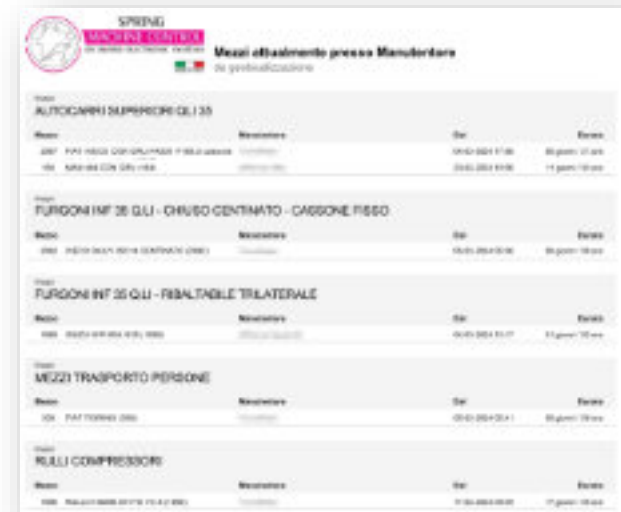
You can create the **list of the workshops for the services** and you can associate the machines to them during maintenance.

Reports will show the **expiring maintenance** and the **list of the vehicles** that are not available cause they are stopped for services in the selected workshops.

The **duration** of the maintenance will help you to plan the work at construction sites, rentals and use of the fleet.



*Machines with expiring services*



Modello	Manutenzione	Da	Entro
<b>AUTOCARRI SUPERPESANTI 35</b>			
MAN TGA 260 6X4 (2010)	Manutenzione	05/01/2014 17:00	05/01/2014
MAN TGA 260 6X4 (2010)	Manutenzione	05/01/2014 17:00	05/01/2014
<b>FURGONI INT 25 QLI - CHIUSO CENTINATO - CASSONE FISSO</b>			
MAN TGA 260 6X4 (2010)	Manutenzione	05/01/2014 17:00	05/01/2014
<b>FURGONI INT 25 QLI - RIBALTABILE TRIATERALE</b>			
MAN TGA 260 6X4 (2010)	Manutenzione	05/01/2014 17:00	05/01/2014
<b>MEZZI TRASPORTO PERSONE</b>			
MAN TGA 260 6X4 (2010)	Manutenzione	05/01/2014 17:00	05/01/2014
<b>ROLLI COMPRESSORI</b>			
MAN TGA 260 6X4 (2010)	Manutenzione	05/01/2014 17:00	05/01/2014

*Report vehicles stopped for maintenance*



# SPRING

## MACHINE CONTROL

ON BOARD ELECTRONIC SYSTEMS



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