

Comac technologies

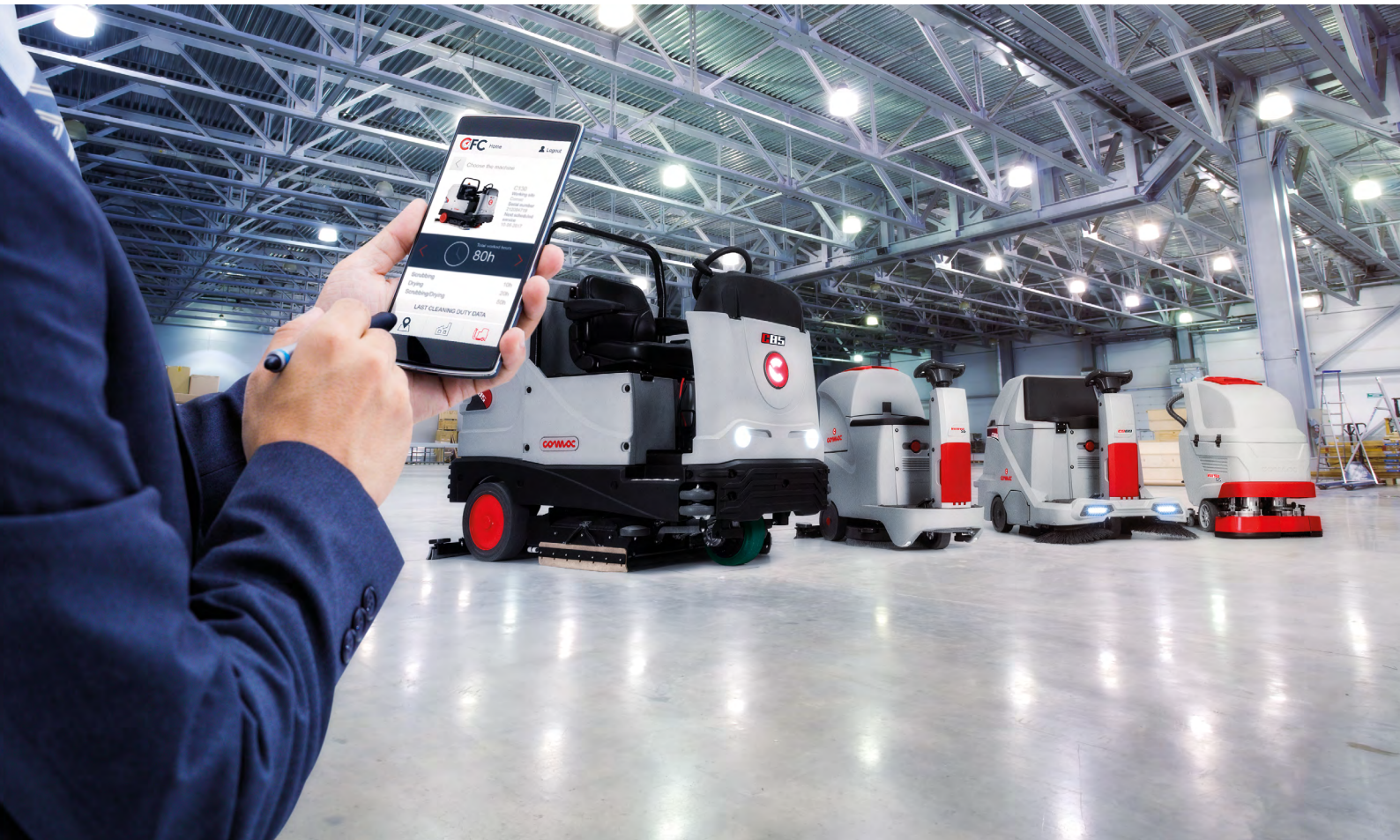


CFC - Comac Fleet Care



Manage your fleet, increase your efficiency!

CFC - Comac Fleet Care is the tool that allows you to better manage the Comac machine fleet. Thanks to digitization, it is possible to communicate with the machines, collect data and transform this into meaningful, useful information for the management of cleaning operations. Having the correct information on the machines status allows you to have a clear view of your fleet to increase the efficiency of cleaning operations while reducing costs and waste.



WHAT ARE THE ADVANTAGES OF CFC TECHNOLOGY?

Thanks to CFC you can control a single machine or your entire fleet anywhere and anytime. This allows you to save money, increase safety, improve performance and monitor consumption.

Save money thanks to:

- better management of the machine fleet;
- maintenance intervention planning based on real use;
- reduction of incorrect use of the machine;
- encourage the correct use of batteries, thus eliminating related costs;
- real-time detection of anomalies to reduce downtime.

Increase safety because:

- you can manage the accesses for every single machine;
- only authorized personnel can use the machines;
- it reports and monitors any misuse;
- it gives the possibility to configure some parameters according to the type of access;
- it prevents theft as you can receive an alert when the machine leaves the scheduled site.

Improve performance:

- by optimizing the distribution of the fleet workload;
- with the ability to evaluate the use of each machine;
- by analyzing each intervention;
- with complete, effective and customizable reports according to operational needs.

Monitor consumption to:

- keep the fleet performance constant;
- obtain detailed data on the use and consumption of each machine;
- get information on the environmental impacts of each machine, the fleet or the entire work site.

Choose the CFC version that best suits your fleet

Each work site has its own needs, both regarding technical and cleaning aspects. Comac is aware of this and for this reason, it offers three versions of the Comac Fleet Care system for its machines: from CFC Wi-Fi to CFC Cellular up to the more complete CFC.

THE THREE VERSIONS OF CFC IN DETAIL:

	CFC Wi-Fi	CFC Cellular	CFC
Data transmission mode	  GSM Wi-Fi Data transmission only via Wi-Fi network available in the work site where the machine is located	  GSM Wi-Fi Data transmission only via GSM network	  GSM Wi-Fi Two data transmission modes: via data network (GSM) and via Wi-Fi network if available in the work site where the machine is located
Integration difficulty within the work site infrastructure	 Quite simple Subject to the limitations and availability of the work site's Wi-Fi network	 Very simple No limitations as the GSM network doesn't depend on the work site	 Very simple No limitations as the GSM network doesn't depend on the work site
Data transmission mode to the portal	 Limited Based on the quality and availability of the Wi-Fi network inside the work site. For some functions, sending takes place only when the battery is connected	 Partially limited For some functions, transmission takes place only when the battery is connected	 Complete
Tag management	 Not available	 Not available	 Available (optional)
Alarm for unauthorized attempted use of the machine	 Not available	 Not available	 Available Thanks to the tag configuration
Anomalies and collisions reporting	 Available When the batteries are connected	 Available When the batteries are connected	 Available

Main functions of the CFC

Intervention analysis

can be customized according to your needs: per intervention, work site, single machine or the entire fleet. In this way, you can have a graphical representation of all the most important aspects regarding the cleaning activities.



Telemetry

it allows you to see real-time information related to the machine status so that you can understand if there are any anomalies. You can remotely check the components and machine health and understand if you are making the most of it. In addition, thanks to telemetry, the Comac service centre can also carry out a machine remote diagnosis in order to be prepared in case the intervention is necessary.



Bidirectional data flow

you can receive information from the machine, but you can also remotely modify some parameters.



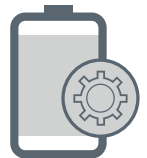
Reporting of anomalies and impacts

they allow you to act promptly and identify any inappropriate behaviour. In addition, the data collection function allows you to see the machine status in the 30 seconds before and in the 10 seconds after the impact. In this way, you can identify the failure entity and what caused it.



Batteries management

to maximize their service life. You can know the batteries status, how they are used and how they are recharged in order to correct any inappropriate behaviours.



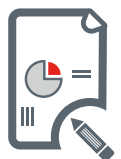
Tag management for CFC version

that permits the use of the machine only by authorized personnel. You can also choose to limit the use of a particular tag on a particular machine, thus avoiding it being used by those who do not have the proper training.



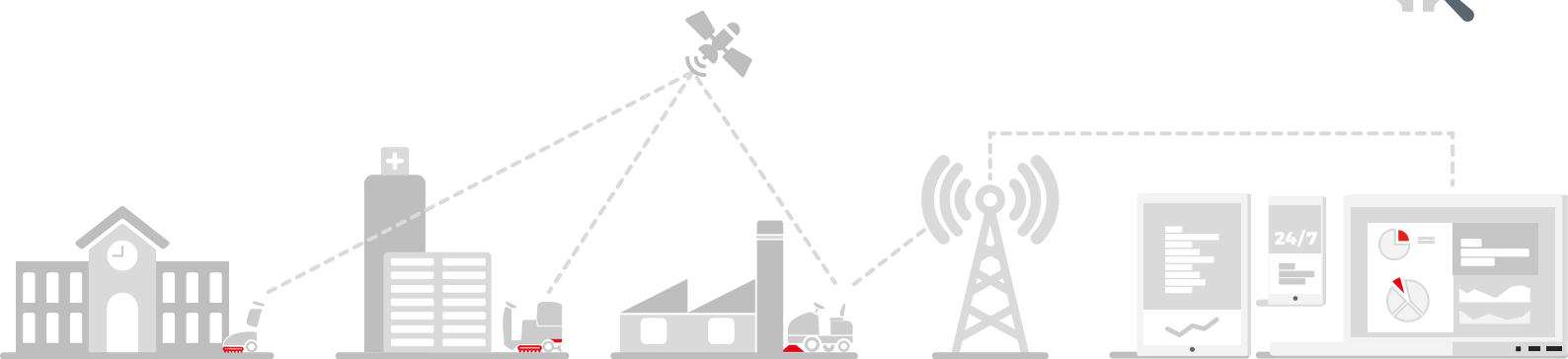
Detailed and customizable reporting

to have the information you deem most useful always at your fingertips. You can download the report when you wish, or choose to receive a personalized one directly to your email and on a regular basis.



Environmental impacts analysis

of each cleaning operation thanks to the estimate calculated on each machine. Schematic drawings allow you to understand how much energy is consumed during the intervention and how much is needed to recharge the batteries. But also the quantity of cleaning solution used and the CO₂ produced in a day for each single intervention. With this information, you can understand the impact of cleaning activities and take action to make them more sustainable.



How does a machine with CFC work?



REPORT DOWNLOAD



If you choose the CFC version, you can choose to assign a tag to each user or a tag to each machine. Once the tag has been inserted, the machine can start working as it acts as an additional key.

The Comac Fleet Care system in every version allows you to localize the machine so that you can see where it is. If the machine is not in the scheduled area, you will receive a warning to promptly act and prevent any thefts.

While the machine is working, the hardware components of the CFC system collect and transmit the data to the CFC Portal and to My.Fleet app. Transmission takes place via a data network or Wi-Fi to ensure maximum reliability and stability in the data transmission.

Collected data is transformed into meaningful information accessible from any device, so you can view it anytime and anywhere. You can access them with maps and graphs and download them to have clear and simple reports you can use to always have your fleet under control. In fact, each report is customizable according to your specific needs, and you can request it on-demand or set up an automatic sending.

HOW TO ACCESS THE DATA COLLECTED WITH CFC?

Using computers, smartphones and tablets, the CFC system provides access to a comprehensive, up-to-date, real-time overview of the status of the machines. This enables the coordination of the machines to be improved and the performance to be optimized in order to reduce costs of ownership.

Through the My.Fleet app or from the CFC Portal, it is possible to find out the location, methods of use, consumption, performance, health status and environmental impact of a specific machine or of the entire fleet on a work site or on a work shift, at any time.

CFC – Comac Fleet Care is available on all the latest-generation Comac floor scrubbers, even the most compact models such as the Vispa EVO and Vispa XL.



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Comac S.p.A. org. cert. ISO 9001:2015, ISO 14001:2015, ISO 45001:2018, SA 8000:2014

