

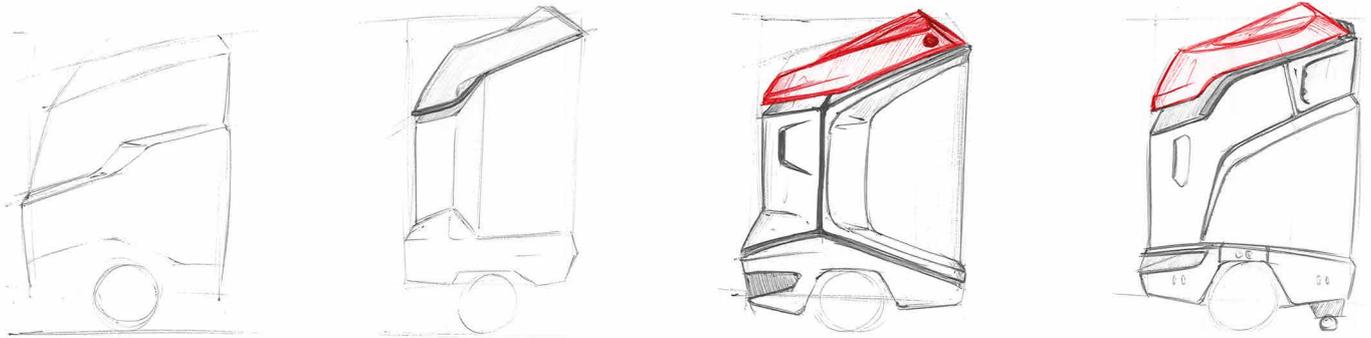


SELF-YC



SELF.Y: I'm here to help you, by your side

Cleaning today has to face new challenges not only related to performance and technological innovation, but also aimed at improving the quality of people's work. All this in full compliance with environmental sustainability. From this philosophy comes SELF.Y, the new cleaning concept that contains Comac's expertise gained in 50 years of designing in the world of floor scrubbers combined with the most innovative technologies in the industry. SELF.Y has been designed to be a collaborative and intelligent cleaning partner that combines performance and productivity to take cleaning operations to the next level.



Designed to adapt to the facilities where it is used, SELF.Y has all the necessary features to offer autonomous and professional cleaning in environments such as airports, shopping centers, supermarkets, educational institutes, office buildings, conference centers, healthcare facilities, warehouses and distribution centers.

SELF.Y adapts, it is not the spaces that adapt to SELF.Y



With an estimated productivity of 1700 sqm/h, if there is a large and spacious surface to clean, SELF.Y is the perfect solution that allows you to optimize the processes and workflows of the people dedicated to the facility management.

It's time to get more out of a floor scrubber!

SELF.Y is more than a floor scrubber. It has been designed to be your new smart collaborative cleaning partner that integrates seamlessly into your dedicated premises maintenance team, giving more value to your time. In fact, SELF.Y works in complete autonomy and safety to offer you maximum cleaning performance with minimal supervision.

INTELLIGENT AND SUSTAINABLE CLEANING

Like all Comac machines, SELF.Y can also be an integral part of your sustainable initiatives. Choosing to use SELF.Y allows you to increase awareness of your cleaning operations, and the related consumption. You will be able to reduce waste as there will no longer be double passes on the same surface, and homogeneous cleaning will allow you to work constantly on light dirt.



It features ECO Mode technology designed to reduce waste of energy, water and detergent.



GIVE MORE VALUE TO TIME

SELF.Y will work autonomously, so the operator can devote time to non-repetitive and more valuable activities.



CONSISTENT RESULTS

SELF.Y will always follow the programmed cleaning path, or calculate the best one, thus guaranteeing consistent and extremely reliable cleaning results.



THE MORE YOU USE SELF.Y, THE MORE YOU SAVE

The labour cost increasingly affects cleaning costs, but with SELF.Y you don't have to worry about this aspect. You can increase cleaning frequency and productivity while reducing operating costs and payback period.



PROVED CLEAN

SELF.Y is an inexhaustible source of data that transforms into useful information to control and prove cleaning operations.

All the intelligence of SELF.Y at the service of effortless cleaning

- **Simple to set up**, even for less experienced users. You can teach your SELF.Y the tasks even if you don't have coding skills.
- **Inherently safe** as it has been designed for an extremely serene collaboration between man and machine.
- **Smart mapping**. SELF.Y autonomously creates a map of the environment, inserting all the obstacles it may encounter during its work while optimizing the most effective cleaning path.
- **Immediately ready to automate cleaning operations**. You can immediately use SELF.Y while it intelligently maps the area to be cleaned, so you don't have to wait for a specialized technician to start up.
- **SELF.Y adapts in real time to the environment**, to changes in its route and to obstacles or people who may be on its cleaning path.
- **Touch screen display** to make all the SELF.Y functions available to you.

THANKS TO THE LED LIGHTS YOU CAN IMMEDIATELY UNDERSTAND IN WHICH WORKING MODE SELF.Y IS CLEANING:

Blue light: autonomous mode

White light: manual mode

Green light: recording mode

Red light: SELF.Y needs your attention



Simple and efficient

SELF.Y adapts to your needs. You can simply choose to use it in two different working modes:

Autonomous

- Learn & Repeat: you use SELF.Y by teaching it the cleaning path, then it will repeat it for you.
- Perimeter: you walk the perimeter of the area with SELF.Y which analyzes the environment and autonomously calculates the best cleaning route.

Manual

But you can also choose to use SELF.Y freely, like a normal floor scrubber. To offer you the maximum of its efficiency in any situation.



Union makes safety

With SELF.Y, Comac is committed to raising the standard of safety in the world of professional cleaning. This is because the main objective of SELF.Y is to offer you stress-free cleaning thanks to a high-tech multisensory system. It is precisely the union of data and information collected by the sensors installed that allow you to monitor the working environment and increase safety. In fact, SELF.Y exploits the Sensor Fusion process, that is a fusion of innovative sensors that continue to collect data to process it and obtain a precise and accurate analysis of the factors that can intervene during cleaning. The benefit is an overall vision that allows SELF.Y to adapt in a targeted and intelligent way so that it can work in total safety.



SELF.Y NEVER STOPS LEARNING AND HAS A COMPLETE PERCEPTION OF THE ENVIRONMENT

The technologies with which SELF.Y is equipped allow it to continue to learn and collect information from the environment, to better adapt and integrate. This is because different levels of intelligence have been integrated on SELF.Y to offer a technology that combines environmental perception, planning and control, while guaranteeing the maximum in terms of performance and safety.



3D cameras: an advanced obstacle avoidance system

Two 3D cameras to have an optimal depth perception thanks to the recording of a stereoscopic image of the environment. This technology allows SELF.Y to create an immediate image that precisely identifies obstacles, even relatively close ones, to avoid them and continue to work safely.

LiDAR sensor: for intelligent mapping

The LiDAR sensor allows SELF.Y to "see" the surrounding environment. In fact, the emitted laser light makes it possible to have a real time measurement of the working space to create dynamic and three-dimensional maps based on the collected data.

Ultrasonic sensors: to detect any surface type

The sound waves emitted by the ultrasonic sensors have the ability to bounce back when they encounter an obstacle. Exploiting the reflection of sound on solid obstacles allows SELF.Y to detect all transparent materials, including glass and plexiglass.

Cliff sensors: to detect any difference in height

Stairs are one of the most critical obstacles for automated cleaning, which is why the cliff sensors, in addition to preventing accidental falls, allow SELF.Y to detect any difference in height.

Cleaning for here, there and everywhere

SELF.Y is extremely flexible to allow you to take cleaning everywhere. It doesn't need to be connected to the Wi-Fi network to work, so you can use it anywhere, even in the basement. Furthermore, the ease of configuration and its compactness allow SELF.Y to be managed by several people and on many work sites. You can clean new spaces at any time, the intervention of specialized personnel is not necessary for the configuration, you will only have to choose the working mode and SELF.Y will be ready, everywhere.

Excellent navigation

SELF.Y is compact, incredibly agile and extremely graceful in its movements to best adapt to the surrounding environment.

Manage SELF.Y, wherever you are!

Thanks to Comac Fleet Care you can communicate with SELF.Y, collect data and transform it into significant and useful information to manage cleaning operations. With CFC you can control SELF.Y anywhere and at any time to save money, increase safety, improve performance and monitor consumption.



Lithium batteries

The lithium-ion technology of the SELF.Y battery allows it to offer great autonomy and work up to 3 hours on a single charge and without interruptions.

SELF.Y combines performance and productivity to take
your cleaning operations to the next level



Solution tank:

40 l



Autonomy:

up to 3 hours



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

