cleanfix
www.cleanfix-robotics.com
Clean
Sports halls
at the touch of a button

Cleanliness is safety

Sports halls are places where people engage in physical activity and push their limits. To ensure the health and safety of users, regular and thorough cleaning is essential. Dirt, dust, and germs can lead to accidents, injuries, and infections. Additionally, a clean sports hall contributes to a pleasant environment and a positive training atmosphere.

Challenges

Occupied halls

Sports halls are often occupied all day and till late in the night. Cleaning therefore has to be postponed to inconvenient times in the early morning, lunchtime or night.

Monotonous work

Cleaning the large floor areas in sports halls is time-consuming and the work is monotonous and repetitive.

Stubborn dirt

In addition to dust, shoe scuffs, and dried liquids, stubborn dirt such as handball resin can also become a major issue.

Staff shortage

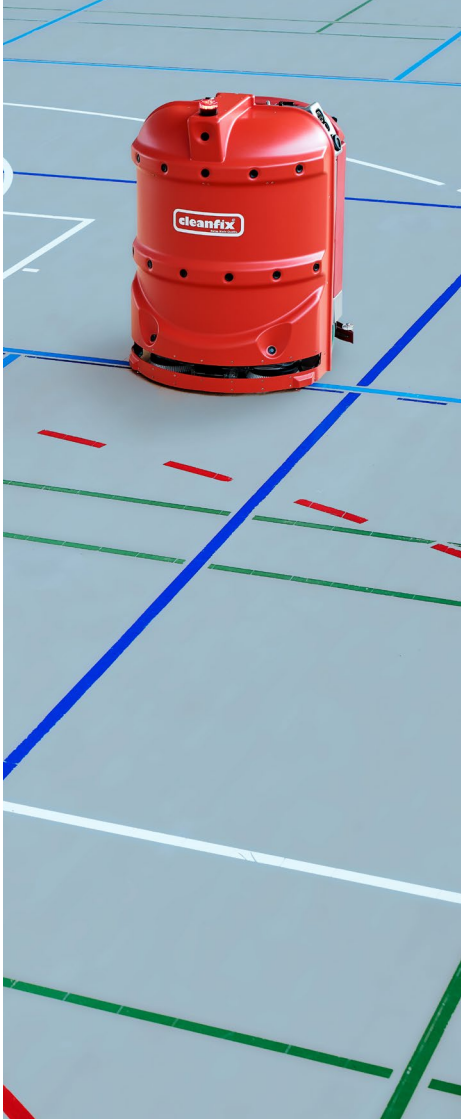
It's challenging to find qualified and trustworthy cleaning staff willing to work during off-hours.

The solution

Autonomous floor cleaning

The advantages at a glance

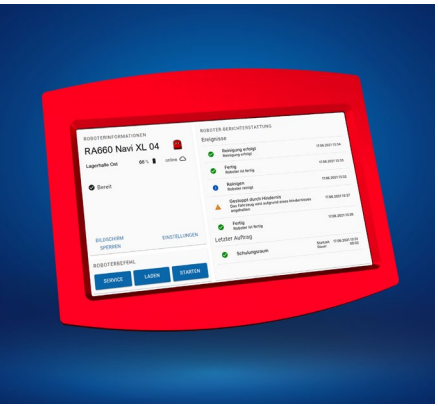
1) **More time for other things**: Take care of other maintenance work, the scrubbing robot takes care of the large, monotonous, open areas.
2) **Reliability**: The RA660 Navi works consistently according to a patented cleaning pattern, ensuring consistent cleaning quality.
3) **Smart Design**: Unlike its front-steered counterparts, the RA660 Navi can pivot in place thanks to its round shape. This allows it to effortlessly clean narrow corridors and reach corners more effectively.
4) **Obstacle Avoidance**: The RA660 is equipped with advanced sensors to reliably detect and navigate around obstacles. This allows it to clean even complex environments efficiently.
5) **Autonomy**: The robot can be programmed to start cleaning on its own, without the need for staff to be present.
6) **Flexibility**: Once the work in the sports hall is done, the robot can easily be moved to another environment. Different maps or cleaning zones can be programmed.
7) **Ergonomics**: Operating ride-on machines can be physically demanding, our robot takes over this strenuous work.
8) **Documentation and analysis**: After each cleaning, a detailed report including a picture of the route taken can be called up via the app. This creates complete transparency and traceability.
9) **Environmentally friendly**: The RA660 Navi features integrated chemical dosing and follows precise paths, which conserves resources and reduces environmental impact.

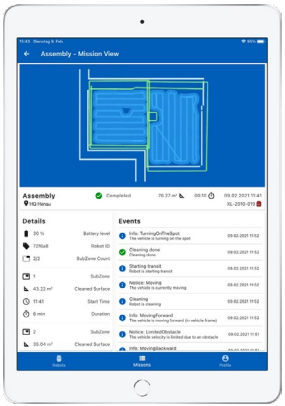


Intuitive operation

Clean sports halls...

...at the touch of a button.





Start cleaning on the robot or via app

Place the robot, select the map, set cleaning parameters such as water and speed, and off you go. Whether on site at the machine or remotely via the Mission Control app, the RA660 Navi ensures consistently brilliant results.

...according to schedule.

Want more autonomy?

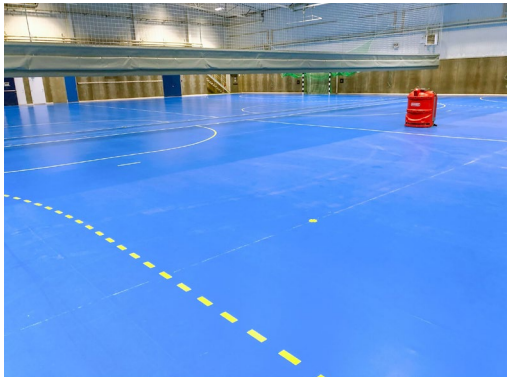
With the cleaning scheduler* and docking station, the RA660 Navi unleashes its full potential. It starts according to a customized weekly schedule, while battery charging and water replacement take place automatically. All it needs is your help to maintain it.

*The cleaning scheduler is only available for the RA660 Navi XL in combination with the docking station.

Versatile in use

Areas of application

With a programmable delayed auto start, the **RA660 Navi M** cleans your sports hall when it's unoccupied.



The **RA660 Navi XL** cleaning a Swiss sports hall.

Handball resin?

No problem for the RA660 Navi. With cleaning parameters specially designed for resin removal, the scrubber-dryer robot removes even the most stubborn dirt.

This special cleaning process is fully automatic and consists of two steps: pre-cleaning with a selectable contact time, followed by final cleaning and water absorption.

+15 years

Experience in the autonomous cleaning of sports hall floors

No camera

Proven LiDAR laser navigation without cameras.

Security

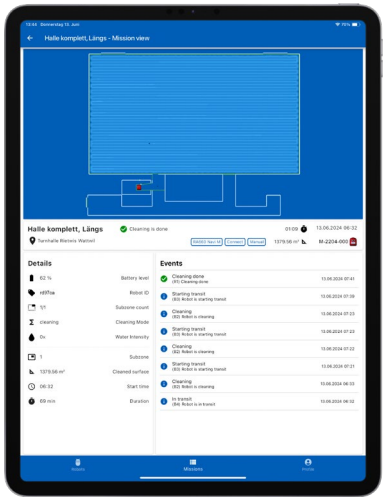
Built with a focus on personal security. Data storage on European servers.

Swiss Made

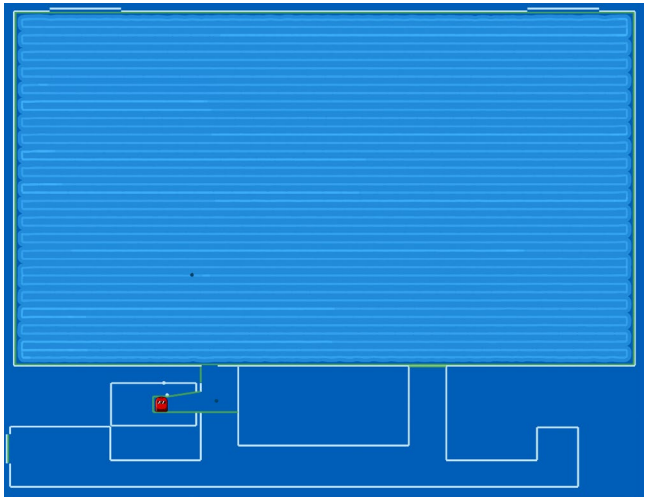
Developed and produced in Switzerland.

Case study

Sports hall Rietwis Wattwil



Cleaning report in the robot's Mission Control App



Quality control and detailed cleaning reports

The RA660 Navi gives you complete control over the cleaning of your sports hall. The robot cleans precisely and efficiently in straight lines according to a systematic algorithm, without unnecessary overlaps. During the cleaning, it records its progress, which can be monitored in the mission control app or viewed as a report afterwards.

1'379.56 m²
Cleaning surface

69 min
Cleaning time

Testimonials

What our customers say

Sports hall Tribüne, Municipality Gurmels (1'600 m²)

Autonomous cleaning since: August 2022 | Frequency: 3-4x per week

Changes in cleanliness and hygiene

„Because the robot can be used more often, the standard of hygiene is much higher than before. We are receiving more and more positive feedback from the hall users regarding cleanliness.

Efficiency and user-friendliness of the robot

„We are very pleased with the efficiency. The robot takes about an hour to clean a triple bay, whereas a conventional walk-behind or ride-on scrubber-dryer takes 3.5 hours. The robot is also very easy to clean.

Advantages of using the robot

„The time saved allows us to perform other tasks and make the gym available more often. The reduced time needed to clean the hall means that the robot can also be used during breaks (e.g. for gymnastics with magnesium). We also use less water and detergent since we started using the robot.

Olivier Spicher
Head of housekeeping

Sports hall Dorftreff, School Eschenbach (1‘200 m²)

Autonomous cleaning since: March 2020 | Frequency: Daily

Changes in cleanliness and hygiene

„The use of magnesium and dust by gymnasts endangers the safety of the athletes. The daily use of the RA660 Navi early in the morning takes this into account and enables safe sports“.

Efficiency and user-friendliness of the robot

„Our initiative to improve the front brush (which tackles coarse debris) has increased efficiency and improved the cleaning result. It is very easy to use and requires little training.

Advantages of using the robot

„The RA660 Navi saves my employee an hour a day on a scrubber-dryer. The time saved can be used for detail work. The result is visible not only in the sports hall, but throughout the whole building. There is one small drawback - in some cases, stubborn dirt such as blood is not always completely removed, so an occasional visual inspection is advisable. Nevertheless, we would buy the RA660 again because of the overwhelming advantages.

Pirmin Heer

Head of housekeeping

Sports hall Beringen, Municipality Beringen (400 – 1‘300 m²)

Autonomous cleaning since: March 2017 | Frequency: 3-5x per week

Changes in cleanliness and hygiene

“The use of the RA660 Navi has enabled a satisfactory cleaning rhythm despite short cleaning times, which has significantly improved the cleanliness and hygiene in the sports hall.”

Efficiency and user-friendliness of the robot

„The RA660 Navi is easy to use and maintain, making it more efficient and user-friendly than traditional cleaning methods.

Advantages of using the robot

„The RA660 Navi saves a considerable amount of time, freeing up staff for more demanding tasks. These benefits make the cleaning robot highly recommended“.

Felix Meyer

Head of building maintenance

For small and large sports halls

Our scrubber-dryers

RA660 Navi M

Dimensions robot (L x W x H)	960 x 850 x 900 mm
Capacity water tank	45 l
Weight (with water)	260 kg
Detergent tank	2.5 l
Battery type	Lithium-ion
Recommended use	from 500 m²
Docking station	-

RA660 Navi XL

Dimensions robot (L x W x H)	1'110 x 850 x 1'185 mm
Capacity Water tank	110 l
Weight (with water)	313 kg
Detergent tank	5 l
Battery type	Lithium-ion
Recommended use	from 1'000 m²
Docking station	Yes, optional

For more information, please visit our website
cleanfix-robotics.com

1'250 m²/h
Cleaning performance
on average, depending on the area up to 1,400 m2/h

660 mm
Working width
Width of the 3 brushes/pads, with suction bar 850 mm

3.5 h
Running time
with the lithium-ion battery

40 min
Charging time
with the fast-charging lithium-ion battery

The perfect addition

Cleaning machines from Cleanfix

In addition to autonomous solutions, Cleanfix also offers a wide range of manual and machine cleaning solutions. Take advantage of a 10-year spare parts availability as well as consumables and cleaning chemicals tailored to your needs.

New and particularly popular are the Cleanfix models with the Cordless Alliance System (CAS). CAS batteries maximize flexibility in facility management by allowing cross-brand and cross-product battery use. At the same time, they reduce the need to own multiple different batteries and chargers. Manufactured in Europe, CAS batteries offer unparalleled quality and performance, significantly increasing efficiency and productivity.

» Our complete machine line-up can be found at: **www.cleanfix.com**

RS05 CAS

Versatile backpack vacuum cleaner

Toro CAS

Compact and manoeuvrable scrubber-dryer.

S10 Plus CAS

The proven dry vacuum now with battery power.

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Additional sales and service centers in your area are available upon request.

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