



Octopus Biosafety OB

Decontamination



THE FIRST ROBOT OF ITS KIND IN THE WORLD

Use

OCTOPUS ROBOTS company has developed a range of cutting-edge sanitary robots intended for specific applications in various industries such as Agro-food, Healthcare, Defense, Civil Protection, Surveillance and Transport, just to name a few.

OCTOPUS BIOSAFETY robot is designed to **decontaminate equipment and large buildings** such as **food storage facilities and food processing plants, airport terminals, shopping malls** and any **other public buildings**.

OCTOPUS BIOSAFETY IS A **mobile, intelligent, fully autonomous** and **modular robot**. It recharges itself and can be **operated 24/7**. Its unique atomization module delivers biocides in aerosolized form (ultramicroscopic particles) while getting away from temperature gradients and air flow issues that may negatively impact disinfection operation. It continuously maps indoor conditions and alert operators in case of anomalies detected.

OCTOPUS BIOSAFETY is equipped with **advanced communication** and **navigation systems** that facilitate optimal guidance and monitoring, on a par with autonomous vehicles. It is equipped with motors and wheels adapted to harsh environments. It is a concentrate of advanced technology in the service of health, safety and productivity.

Applications

Our OCTOPUS BIOSAFETY robot is designed to embed different modules including:

- a module for **disinfecting buildings**;
- modules for **the distribution of other liquid solutions** (e.g. vaccines, phytosanitary products ...).

Key benefits

Performance

Decontamination of extensive buildings

OCTOPUS BIOSAFETY efficiently treats very large volume environments.

It can treat oversized premises compare with existing aerosol delivery systems which are static units or fixed installations, even those allegedly mobile. Those systems have a very poor “sphere of efficacy” as they are limited to small-medium sized rooms under the most favorable conditions as the ones set in NF T 72-281 designed for testing airborne disinfection systems in 150m³ air-controlled room.

OCTOPUS BIOSAFETY delivers/sprays potent biocides at a large scale (micro-particles). Biocide particles are sprayed over all surfaces (360°) including those which appear inaccessible or hidden. Thus, you can make sure that all surfaces have been thoroughly decontaminated (no approximation). With the mobility, it homogeneously delivers broad spectrum biocides all over the targeted area and kills pathogenic agents (Multi-Resistant bacteria or other pathogens) while getting away from temperature gradients and air flow issues. With its operational autonomy, our robot is a perfect auxiliary suited for countering crisis (infectious outbreaks, pandemic or bioterrorist attack). It is a fully automated unit that provide a lot of performance for a maximum of safety (no human intervention required).

OCTOPUS BIOSAFETY can be equipped with motors and wheels adapted to harsh environments.

OCTOPUS BIOSAFETY is also equipped with 360° vision system for video surveillance.

Yield

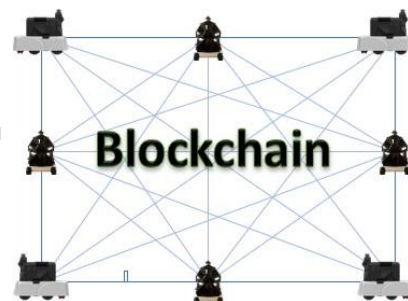
Time savings and resources optimization.

OCTOPUS BIOSAFETY operates perfectly on its own. It works 24/7 so you can get around the time and planning constrain. Your employees have more time to devote to more productive tasks.

Total traceability of the day-to-day operations.

OCTOPUS BIOSAFETY is equipped with sensors, cameras and other systems that enable data to be collected, analyzed and stored. These systems provide you with valuable data to help you run your business better. Our robot communicates with you (WIFI, SMS...). It alerts you in real-time so that you can act quickly if problems arise. You can export data from the database and create statistics and/or establish comparative indicators...

In the short term, our ambition is to constitute a platform for data exchange (Big Data) between users and with all players of the sector.



Improvement of working and safety conditions.

No operator intervention is required during the treatment process. Our robots help reduce the arduousness, and most importantly, our OCTOPUS BIOSAFETY robot helps reduce employee exposure to airborne pathogens (viruses, bacteria, etc.) and chemicals (disinfectants, insecticides...).

Foresight

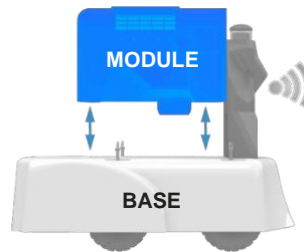
Staying a step ahead of the regulations.

Successive Health crisis encourage both professionals and health authorities to reconsider current practices and take measures to prevent and control contamination. The preventive arsenal is insufficient and inadequate in the event of a **pandemic**. Regulations and standards are fast moving and governments are determined to keep strengthening health security. In OCTOPUS ROBOTS we anticipate and develop solutions that pave the way



Versatility

Our OCTOPUS robots are all equipped with a common multipurpose base. This base has the function of a command post. Inside is all the intelligence necessary to easily control the robots. It was conceived to allow the application modules to be exchanged according to your needs (decontamination of public buildings or livestock, diffusion of multi-use products).



Model with Biosafety decontamination module



Intelligence

Our guidance technology is inspired of autonomous vehicles. Our concept is similar. All of our robots are equipped with advanced guidance and communication systems. They do not require human assistance during operations.



Mobility

Our OCTOPUS robots are fully mobile and automated. They can be equipped with pneumatic tires for harsh environment or « Mecanum » wheels which allow transverse displacement in narrow spaces. Our robots have been designed for indoor or outdoor use. Mobility & maneuverability are paramount as they allow for complete treatment of very large volumes.



Performance

Our biosecurity robots outperform all competing solutions consisting of fixed installations or static equipment, even those that are supposedly mobile. Our robots circulate throughout the space to be treated and spread the disinfectant product uniformly on all surfaces. They decontaminate very large volumes by avoiding restrictions on distance, air flow and gradients (temperature, humidity ...) that can alter the effectiveness of disinfection. The disinfectant product is always distributed near the target areas. *View our antimicrobial activity reports.*



Communication & Traceability

A Wifi interface provides real-time monitoring of the various operating parameters. Settings can be controlled remotely and operations log can be downloaded.



Autonomy

Our robots move by themselves and are powered by a long-lasting battery. They automatically locate our OCTO-Ri-Charger station with which they associate to recharge with energy or active ingredients. Thus, our robots can be used 24/7 (There is no long / costly downtime. No service disruption).



Security

Our OCTOPUS robots guarantee a maximum level of performance and safety (no human intervention is required). They can be used by a large number of operators without any particular qualification.

Warranty

We offer a two-year standard warranty on all of our robots. We also offer a unique extended warranty directly from us providing up to 3 years' additional peace of mind. It is designed to take over once your warranty expires and will protect you against the cost of call-outs, labor and parts.

And if one of our trained Service Technicians can't repair your appliance, you could even receive a brand-new replacement. You'll pay nothing extra for approved repairs by our Service Technicians, using only our spare parts.

Service

For your added convenience, we provide a suite of free and paying services. Do not hesitate to consult us.

- On-site installation and setup
- Training
- Software support
- Technical support
- Hardware support
- Preventive and curative maintenance
- Warranty extension
- Robot rental
- Decontamination service



Origin

OCTOPUS robots are manufactured by the company OCTOPUS ROBOTS SA, located in France (Cholet - 49). We have assembled a multidisciplinary team of passionate engineers and specialists in robotics and high technology. We use the most advanced technologies, strictly respecting quality and safety standards. We have chosen to work with a limited number of world-class providers who benefit from their vast experience. Our team benefits from the knowledge of our manager and especially in the area of disinfection. He himself developed a device for the hospital sector that is currently marketed worldwide.