



HERO21 UV-C DISINFECTION ROBOT

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RAYA 2023 Finalist Event



Introduction

The ICA Vision

Cost effective, safe and automatic disinfection to help pharma industry, hospitals, food industry and other customers to increase their process and product quality.



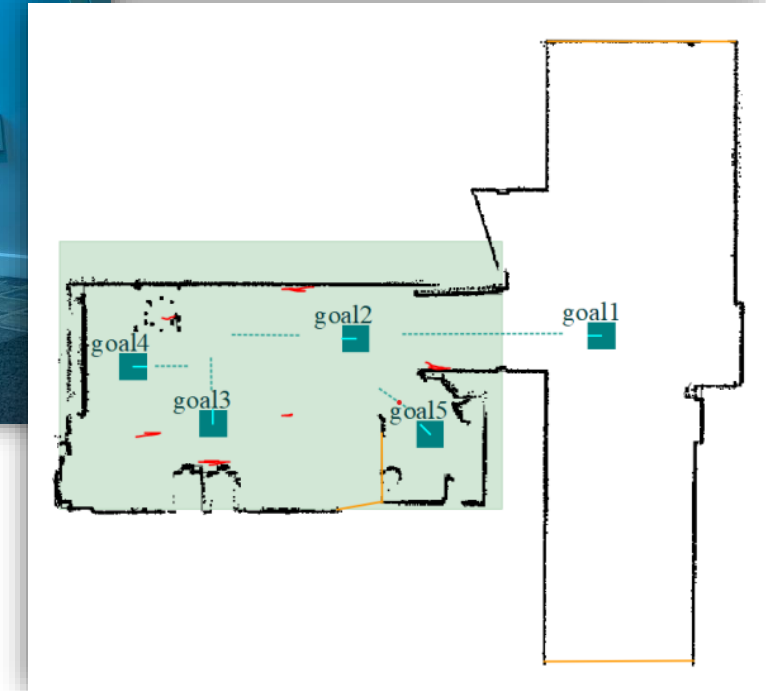
Why should you use the HERO21

- You want to disinfect areas of your production, laboratory or further areas of your company
- You need to reach a certain disinfection level to guarantee the safety of your products
- You want to automate the process including revision-safe logging
- You need reproducible and reliable results
- You want to use your personnel resources in other applications



How do we reach these targets with the HERO21?

- The HERO 21 works with UV-C radiation which kills minimum 99,99% of all germs, bacteria, fungi or viruses by penetrates the genetic material
- Validated in clinical studies by for example at Ruhr Universität Bochum
- After the initial teach-in process, the HERO21 works automaticly and reproducibile
- It is simple to handle



Cost Effectiveness: HERO21 vs. Wipe disinfection

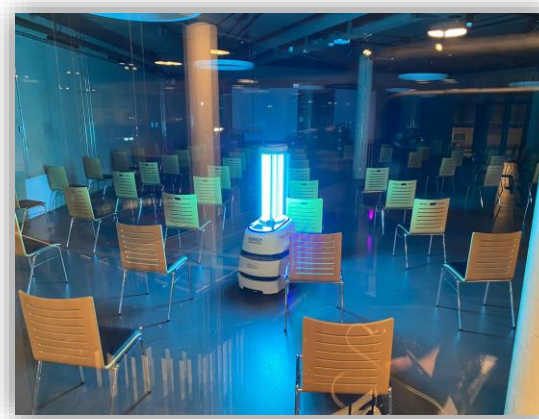
- In this comparison, it is assumed that the usage of both methods occurs every day (100m² room). For the scrub-wipe disinfection, a duration of 1 hour is assumed, and for the UV-C method, a duration of half an hour is assumed.

	HERO21	HERO21 (2nd year)	SCRUB-WIPE
Number of operations	364	364	364
Duration of operation(h)	182	182	364
Cleanroom costs	75.833,33 €	75.833,33 €	151.666,67 €
Costs per year	70.000,00 €	5.000,00 €	2.366,00 €
Total	145.833,33 €	80.833,33 €	154.032,67 €

The ROI is reached within the first year.

Flexibility

- Plug-and-Play solution. Steering via Tablet.
- A change in the application is done quick and easy through re-mapping
- **Additional features** such as a **gas-detection warning-system** can be implemented in the HERO21
- integrated interfaces allow the HERO21 to **communicate with the building automation system**, enabling it to interact with automated doors and facilitate seamless access control.
- There is the option to **deploy** multiple HERO21 robots **in a fleet**.



Why should you award the HERO21?

- The HERO21 brings a well known technology on the next level and combines it with automation and digitalization
- The HERO21 is
 - Good for your production process
 - Good for your quality
 - Good for your budget
 - Good for your staff

Take the next step with us into a safer world!



THANK YOU!