



PURE AIR
CLEAR VISION



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**Step into a new
era of cleanroom
innovations for sterile
manufacturing**



**All-in-one air
ventilated garment
system for sterile
environments**

Op



01. Why did we develop ElisAir?



1. Product and process protection

- 0% skin exposure guaranteed as required by Annex 1
- Reduced push-through of body fluids = lower bio contamination at the outside of the garment
- Less risk of human errors due to better working conditions
- Improved focus on the job
- Controlled filtration due to cleanroom hood concept in high quality fabric

2. Protection of the operator

- Up to 80% reduction of CO₂ concentration vs. traditional gowning concept
- Laminar airflow for optimal working experience
- No condensation
- No separate goggles needed
- Reduced perspiration
- Enhanced communication capabilities

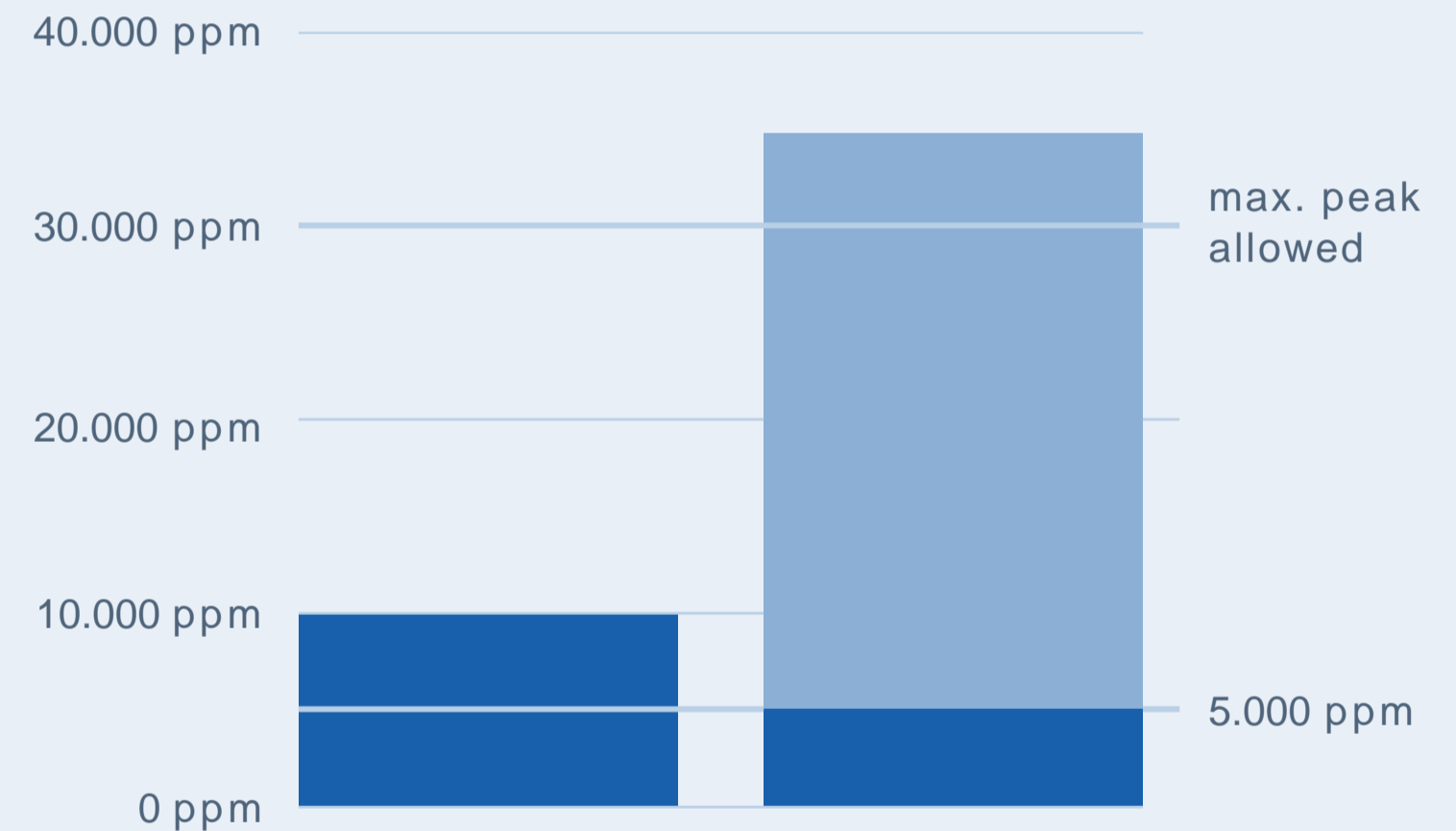


02. Effect of Air quality on work performance

Some cleanroom garment systems without incoming air maintain a CO₂ concentration up to 27.000 ppm.

With ElisAir, the maximum CO₂ concentration is reduced to 5.000-10.000 ppm (max. peak)

Regulation on respiratory helmets according to the norm EN12941

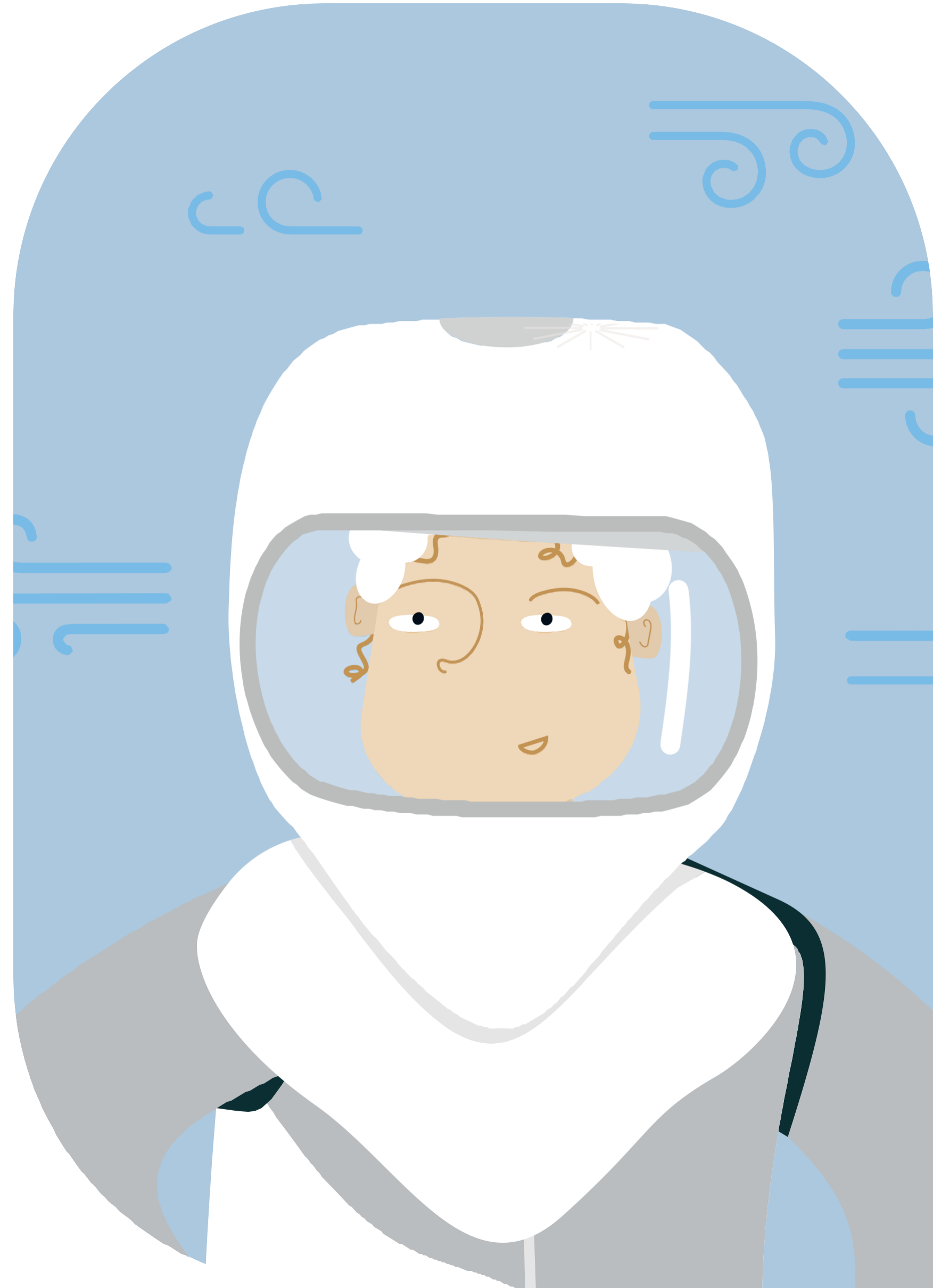


80% reduction in CO₂ concentration



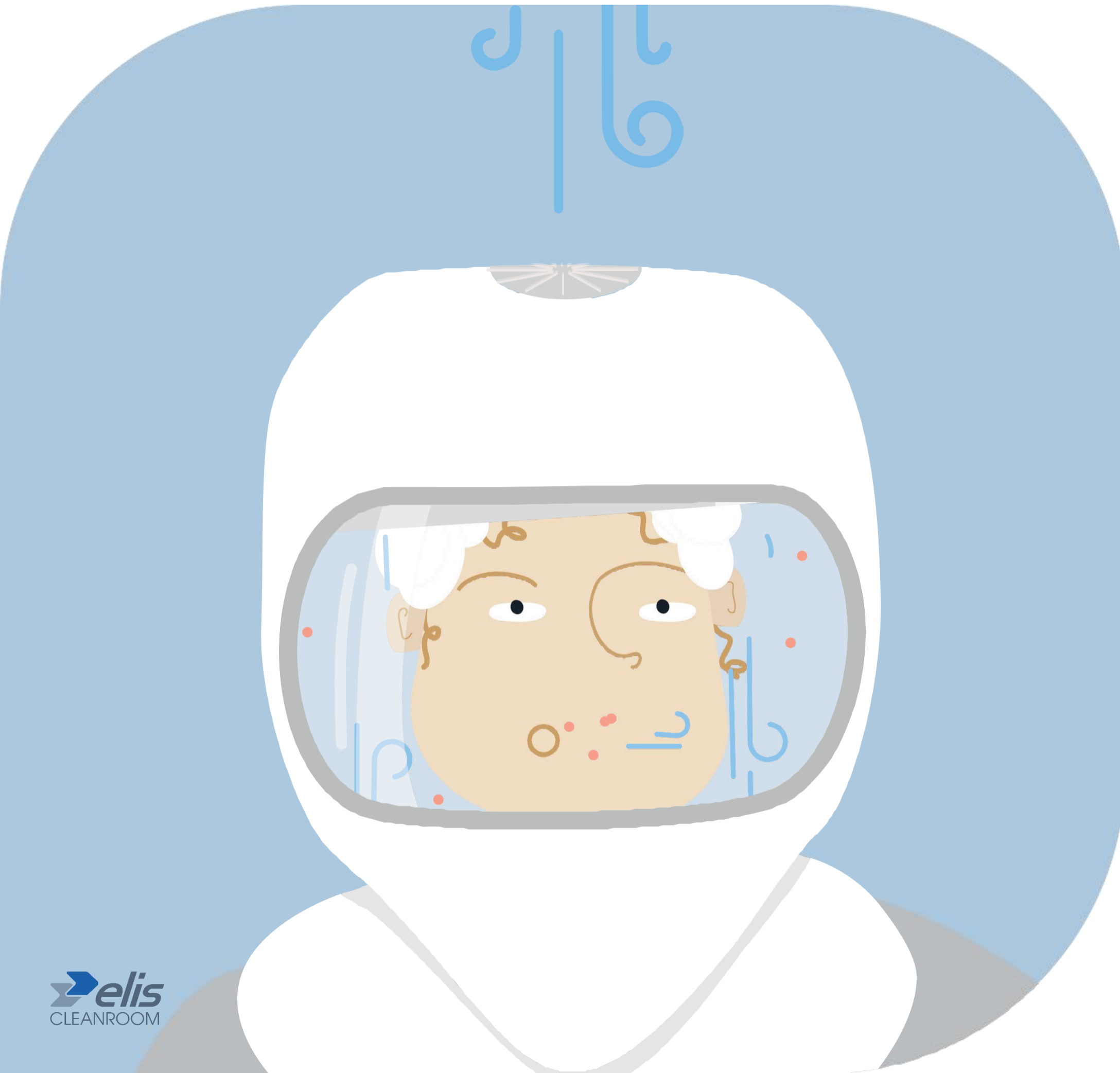
03. How does it work?

Utilizing a controlled laminar airflow mechanism, the air device extracts clean air from the controlled environment and evenly distributes it in front of the operator.





How does it work?



The exhaled CO₂ accumulates and is pushed downward, preventing the operator from inhaling it again. The airflow within the garment is carefully directed through the fabric barrier in a controlled manner. All verified through technical testing.



04. USP'S

- Easy aseptic gowning due to all-in-one air ventilated garment system
- Providing comfort to operators utilizing regulated air changes based on CO₂ measurements.
- Skin exposure eliminated and minimizing contamination risk.
- Panoramic visor for wide vision and enhanced communication capabilities. Seperate goggles are not needed anymore.

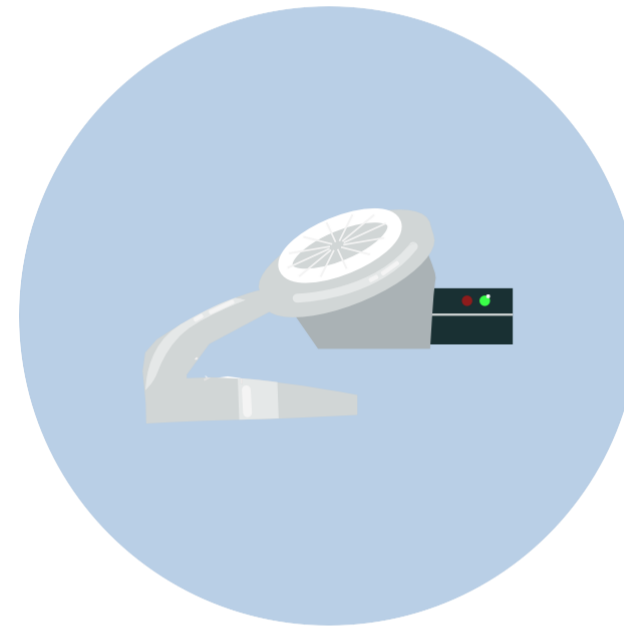


05. Technical information



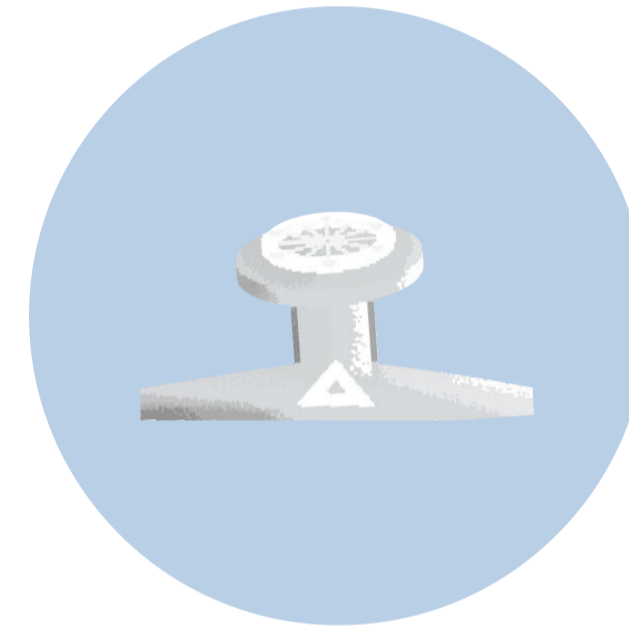
6000 hours of operating time is guaranteed. Which translates to approx. 3 years.

It was important for us to find a compact battery that could fulfill customers' needs, being durable, powerful, lightweight and highly functional



The helmet & battery combined weight are less than 360 gr.

The low weight of the full device including the battery, are due to the carefully selected materials and the design of the helmet. Each detail in the helmet has been evaluated during the design process, and only the necessary details have made it into the final design.

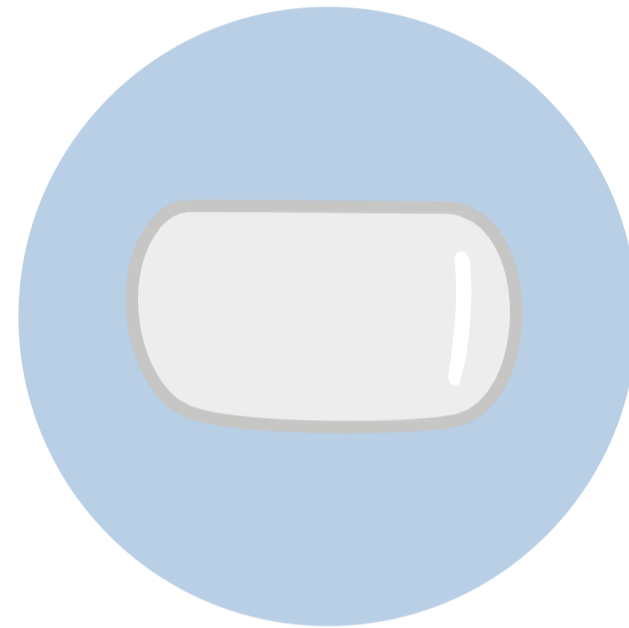


A controlled laminar flow

The blower is an advanced component that includes built-in sensors that constantly measure if the air quality is good enough, and if there is more than sufficient battery power left to support the operator.



Technical information



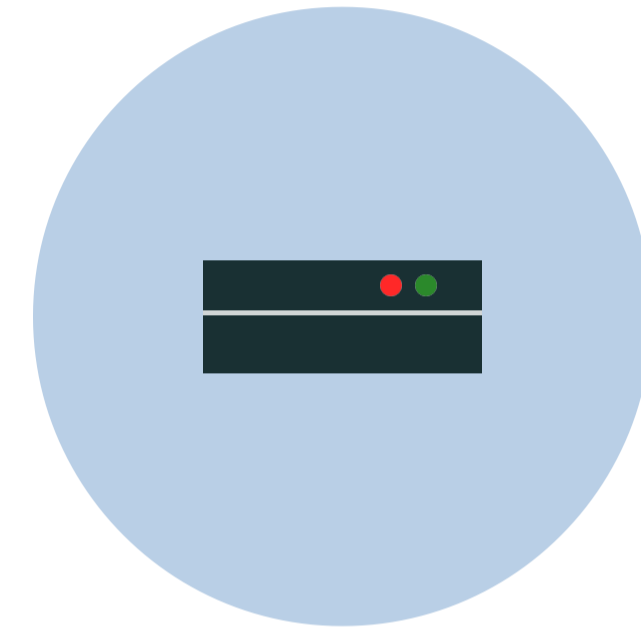
Visor with panoramic vision

The visor is made of a flexible, lightweight, cleanroom suitable material. Due to the combined construction with the helmet and the hood, there is no need for any separate goggles.



The hood we designed was based on our years of experience in cleanroom garments

We only use durable textiles, studs and zippers. We know our highly engineered reusable materials are suitable for everyday use in the cleanroom. Sterile gowning is possible due to magnet ring on top of the hood. There is no need to modify the undergarments.



We offer two types of docking stations with a built-in safety feature.

The charging dock comes in either a 10-piece version or a single-piece version. This way we ensure that teams of varying sizes are equipped accordingly. Built-in smart safety feature to support the operator.

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