

---

# Secure the air – secure the world!



# The vision of clean air

- The target in 2020, in the wake of the pandemic, was to develop the world's **first electronic mask that kills all types of viruses, germs, bacteria and fungi** and thus protects the user to 99.999%.
- Initially, the focus was naturally on corona viruses



# Sustainable protection for health

- A lightweight portable electronic mask protects even when vaccines are not available!
- Can prevent new pandemics
- Prevent future lockdowns and their economic consequences
- Mitigate flu outbreaks
- Significant reduction in health care costs



# The SecureAir GmbH

- Founded 10.2020 in Neustadt/W.  
with additional office in Magdeburg
- Close cooperation with one of the  
leading virological institutes in  
Germany – MMD Magdeburg  
Molecular Detections GmbH & Co.KG
- Partnership: Otto-von-Guericke  
University and the ZPVP – Zentrum  
für Prozess und Verfahrensopti-  
mierung GmbH



# The team

- Developer: Dipl.Ing Frank Gnisa;  
currently over 30 utility models and  
patents pending
- Technician: Miro Jangas; specialised  
in high power UVC's.
- Networking talent: Mario Spiewack;  
best contacts to the University of  
Magdeburg and research institutions
- Finance and Marketing:  
Dipl.Betriebswirt Arno Lauhöfer;
- Virologist: Prof. Dr. Brigitte König



# The technologie of the „Securer“

- We are the only ones in the world who know at what distance, with what wavelength and for how long at least viruses, bacteria, fungi and germs have to be exposed to UVC's so that they are harmless.
- We have developed our own method to measure this
- We know which UVC manufacturers provide the necessary performance.

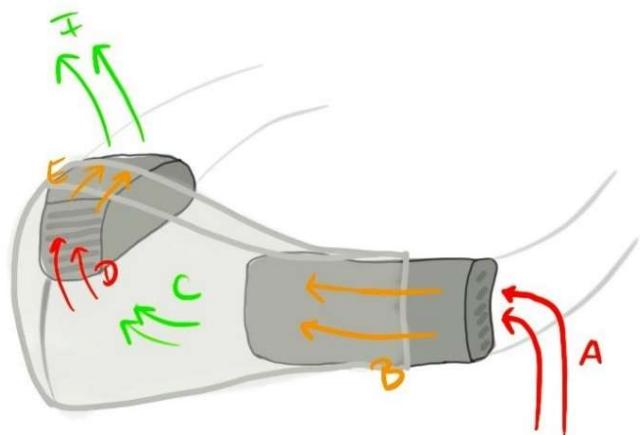


# The revolution in the world of masks

- The exposure chambers reflect the implementation of the research results
- The disinfected air is supplied with high-performance fans and the exhaled air is disinfected again
- Due to the even air flow, there is no ambient air behind the shield

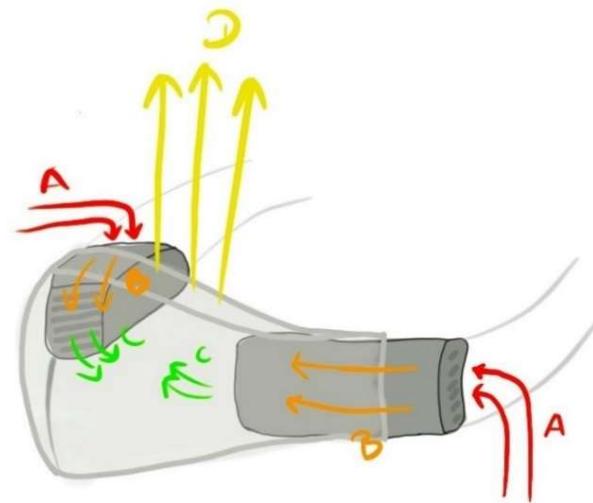


Possibility 1  
(using to the medical device)



Air disinfection during  
inflow and outflow

Possibility 2  
(personal protective equipment)



Air disinfection and inflow  
from both sides (A)

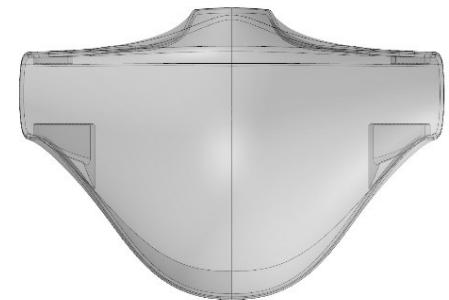
# Soon to be a daily companion

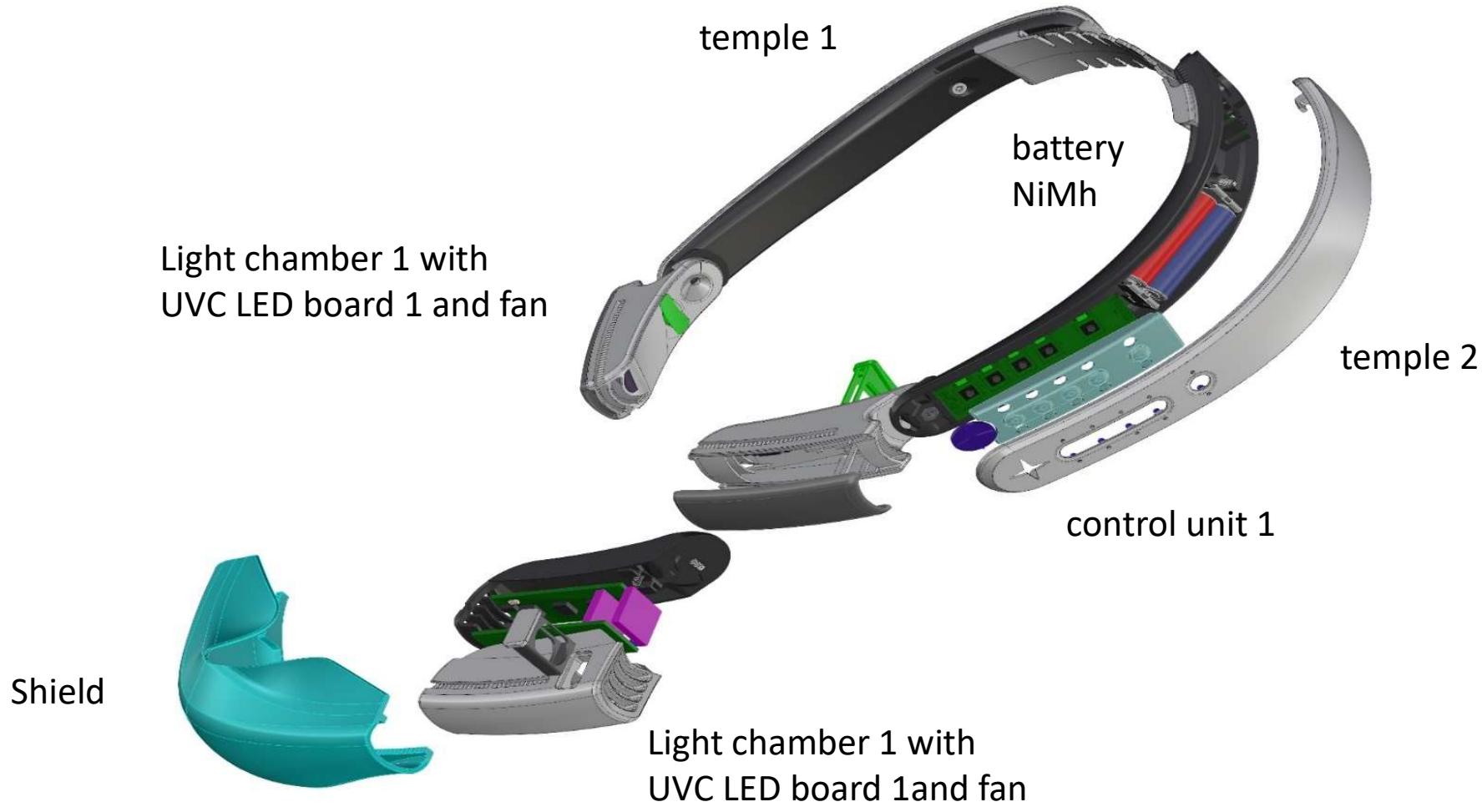
- No difficult breathing against a substance
- 200 grams heavy light and hardly noticeable on the head when worn
- The face and facial expressions are recognisable
- works with bluetooth if necessary
- 4-5 hours operating time + extension option



# The design

- The technological findings were secured in a registered design and a patent
- The body and shield are designed to be ideally suited for 3D printing
- Enables rapid adaptation and further development of the design





# Target group and market potentials

- In Germany, 6 million healthcare workers who have to wear masks every day
- Over 75 million professional users in the medical field worldwide
- THW, fire brigade, military, especially because of the protection against bacteria and germs.
- Sustainable because in use for many years; reduces the immense mask waste



# Unique in the world

- In Asia, the population has been wearing "masks" for years now
- With only one million masks sold per year, the current net profit should be around € 140 million.
- Considerable scaling advantages for large quantities



# Why together with us?

- Know-how for series production
- We are interested in valid partnerships
- Companies that have all the requirements for successful production and/or marketing
- National and international licensees
- Companies that want to make our technology their own







# Why is the „Securer“ an important part of the future?

- The pandemic is not over yet
- Winter flu epidemics are unfortunately part of everyday life
- Germs, fungi and bacteria are our constant companions and are becoming increasingly resistant and more dangerous
- Anyone who wants to protect themselves comprehensively, sensibly and in an environmentally conscious manner will need the "Securer" in the future.

**What the "Securer" does not have, however, are possible side effects, like a vaccine - fortunately!**