

PERSONAL AIR FILTER

A purpose-designed air purifier to reduce the spread of airborne transmissive diseases in offices

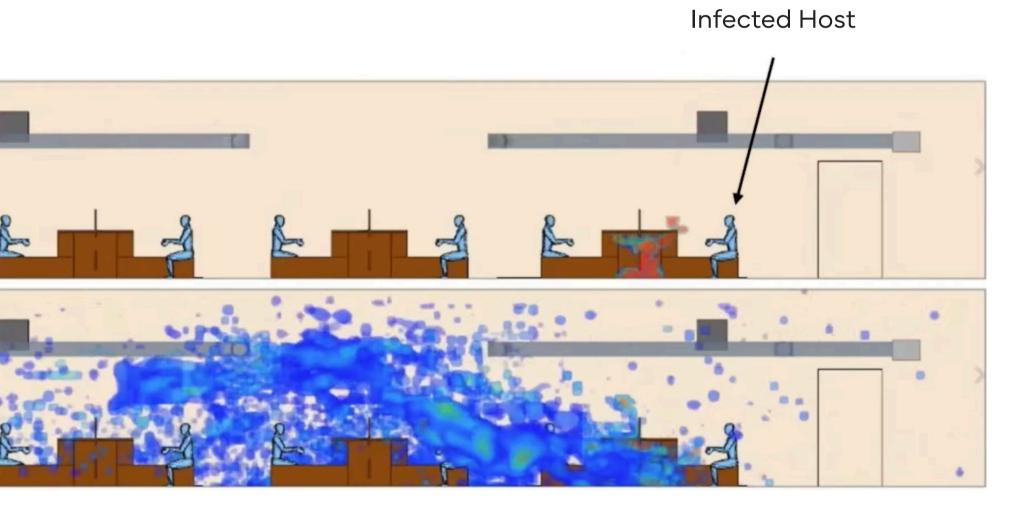
The Personal Air Filter is an air purifier specifically designed for offices to reduce the spread of airborne diseases. Extensive research and iterative design guided key decisions, resulting in a suspended configuration above desks with effective breath filtering and plume propagation considerations. A functional prototype validated the device's efficacy, showcasing effective capture of aerosols. An integrated lamp enhances aesthetics and employee well-being, while a user interface and smartphone app allow for convenient control.

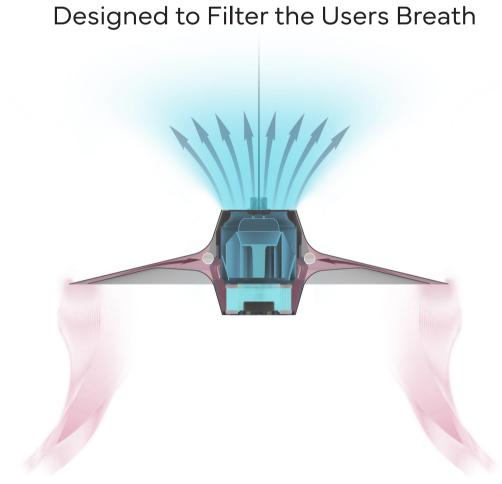
The Personal Air Filter represents a significant advancement in improving indoor air quality and employee well-being, with potential for widespread use.

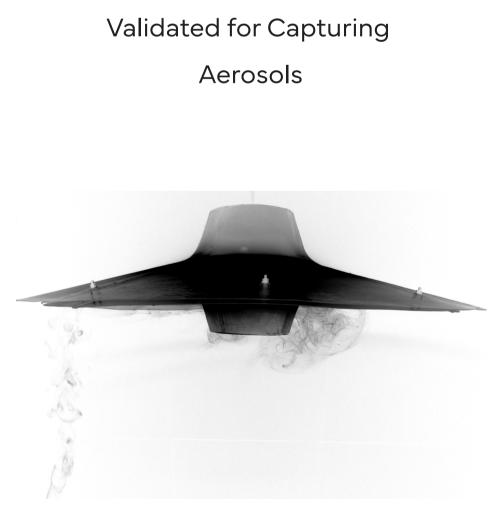


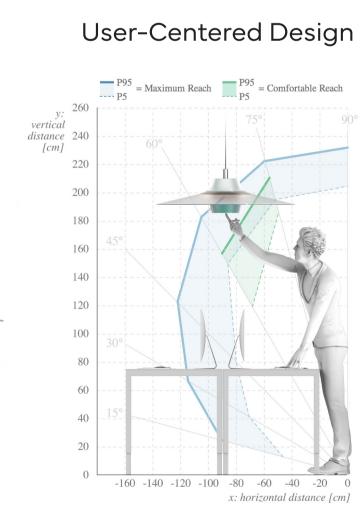
Integrated

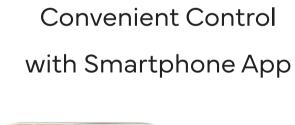
Lighting

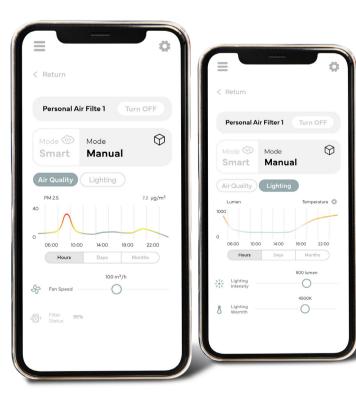












Renzo Vonk
Personal Air Filter
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Integrated Product Design

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