

Presentation November 02, 2023

Situation



Hand Cleaning



Fogging/Spraying



Germ Falcon

<u>Cabin</u> <u>decontamination:</u>



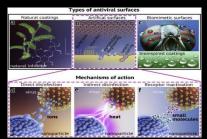
→ Existing solutions fall short



Ionisation



UV Light

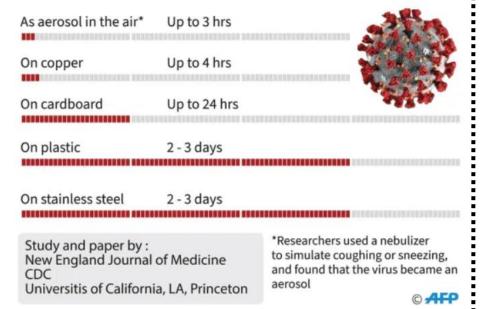


Antiviral Surface Treatment

Science

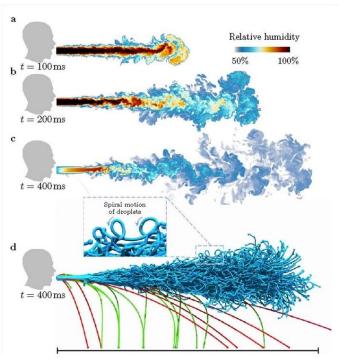
1. COVID-19- how long it lasts:

SARS-CoV-2, which causes COVID-19, needs a living host to reproduce in. A new study looks at how long it can last outside the body



→ Virus stays active in A/C up to 28days according to latest studies.

2. COVID-19 spreads mainly via aerosols*:



→ Both <u>air and surfaces</u> must be addressed.

Solution

Triple9

UVC System

Automated system:

For retro- fits or green A/C



Germ- free cabin: up to 99.9% decontamination of air & surfaces

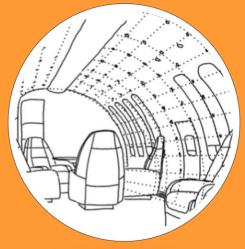
Low design impact

Battery - powered: independent from A/C home base.

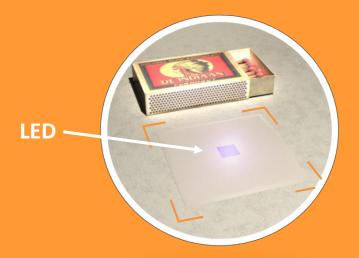
Decontamination time air and surfaces: within 2 hours*

> *For use on ground and in absence of people.

Implementation



1: Technical integration: 3D CAD model to determine cabin specific positioning of LEDs.



2: Design integration:

LEDs with low visual impact to be integrated in custom cabin design.

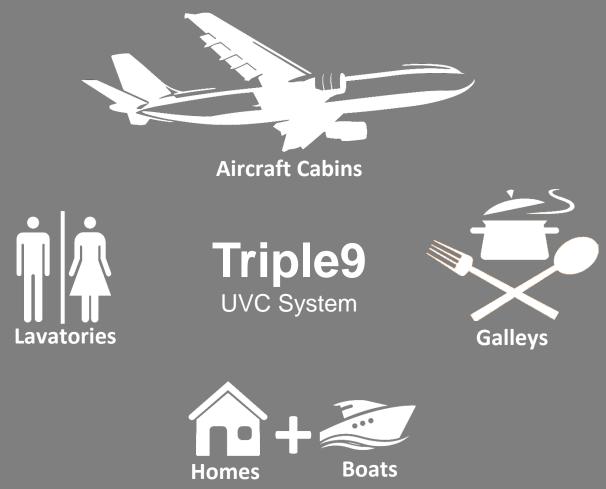


3: Power integration: External sources possible, but not a must.



4: System integration:
Automated decontamination system

Applications



Integration of Triple9 UVC System Overview & Deliverables

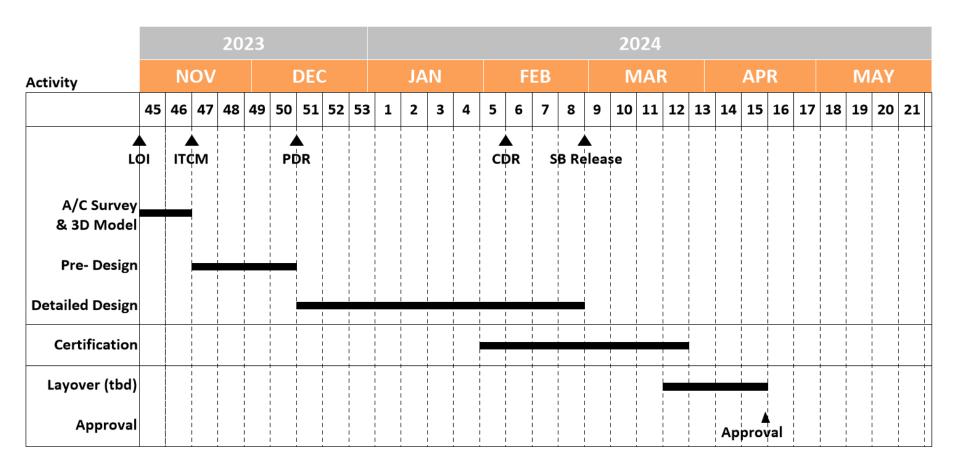
Services include:

- Survey of existing aircraft cabin & 3D model
- Modification instructions for completion center.
- Certification of the installation/modification.

Deliverables:

- Renderings depicting visible changes.
- Presentation of lamp design.
- Proprietary UVC LED aircraft interior lamps. (Not included in fees).
- Modification Bill of Material.
- Instructions for Continued Airworthiness (incl. IPC-S, AMM-S).
- Crew Operating Manual.

Integration of Triple9 UVC System Preliminary Schedule



Integration of Triple9 UVC System ROM Pricing

Optional: Survey of aircraft cabin & renderings including all monuments	EUR 50,000	ROM
A/C specific development of LED layout and power control	EUR 100,000	ROM
Integration LED units and power control	EUR 100,000	ROM
Certification of Triple9 lighting system	EUR 150,000	ROM
total EUR 400,000		ROM
Onsite- Support	EUR 1,000/day & person	
Parts and materials and installation not included	Travel and accomodation costs are not included	Prices are net, excluding VAT

Contact



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