



NBAA News Hour: Sanitizing Your Business Aircraft During COVID-19, Part 2





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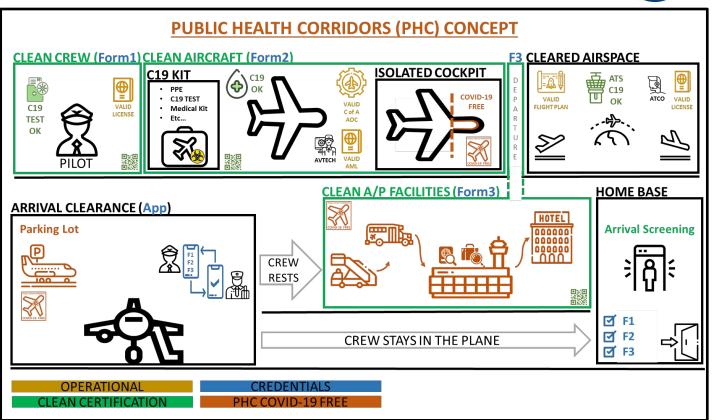


Nathan Winkle
Founder and President
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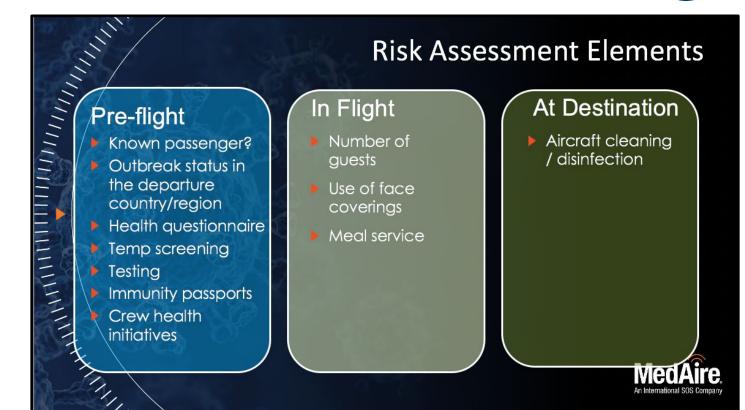


Greg Hamelink
Sr. Manager Flight Operations & Maintenance
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Disinfection / Cleaning Strategies ▶ Technical approach Risk stratification determines the level of response: from cleaning to deep disinfection - Risk reduction with pre-flight, in-flight and postflight elements Crew health surveillance Perception approach -Communication Visibility



Understand the Tools to Provide a Solution







© 2019 CURIS System LLC. All Rights Reserved | www.CURISsystem.com **Log Reduction = Risk Reduction** CURIS 99.9999% Extremely Levels of Disinfection Difficulty Hard to kill 1-4 6 Log remaining= Transmissible Spongiform Encephalopathy (TSE): Creutzfeldt-Jakob disease(CJD) <1 Prions Mad cow disease: Scrapies Spores of: C. difficile; C. tetanus; C. botulinum; 99.999% **Bacterial Spores** Anthrax; Geobacillus stearothermophilus 5 Log M. tuberculosis: M. avium Mycobacteria Norovirus: Rotavirus: Rhinovirus: Poliovirus: Viruses without envelopes Papillomavirus (HPV): Coxsackie: Adenovirus 99.99% Aspergillus fumigatus, A. flavus; A. niger; 4 Log Fungi includes fungal spores Candida albicans remaining= Pseudomonas, Acinetobacter, Klebsiella, 100 Gram negative bacteria E. coli; Enterobacteriaceae, Legionella Staphylococcus; Enterococcus; Streptococcus; Clostridia vegeta 99.9% Gram positive bacteria Streptococcus; Clostridia vegetative rods 3 Log Influenza; HBV; HCV; HIV; RSV; Coronavirus; remaining= CMV; HSV; Measles, Mumps; Rubella; VZV Easy to Viruses with lipid envelopes (Varicella-Zoster) Shingles/ Chickenpox 1000 Hep A • 1-100 virus CFU ID* C. diff • 5-100 bacterial CFU ID TB • 10 CFU ID Pathogend CURIS Measles • 1-100 virus CFU ID Norovirus • 10-100 CFU ID 5-25 ID enveloped viruses *CFU ID = Colony Forming Units in a minimum Infectious Dose of specified pathogen

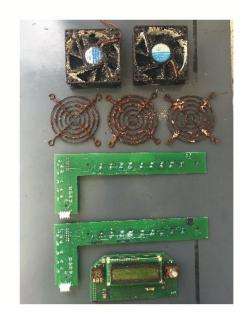




The Residue Conundrum CURIS®



Is it Corrosive?







Liability release: Prove your efforts 99.9999%

- Reduce Liability
- Create Confidence
- Enable Safety of Workplace & Space







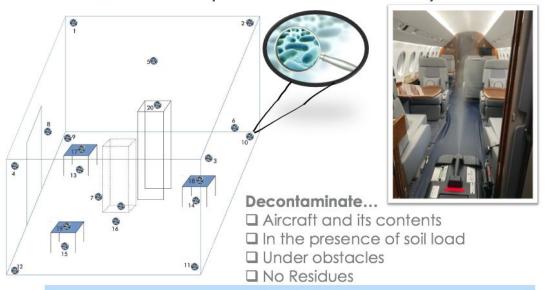
- Complete Decontamination
- Federally Regulated
- Science Driven Validation
- Event Autonomous Reporting

FDA and EPA Reliable method of testing: Geobacillus Stearothermophilus – bacterial spore 99.9999% (six log reduction coupon)





Complete decontamination: 6 log reduction & proof with each cycle



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