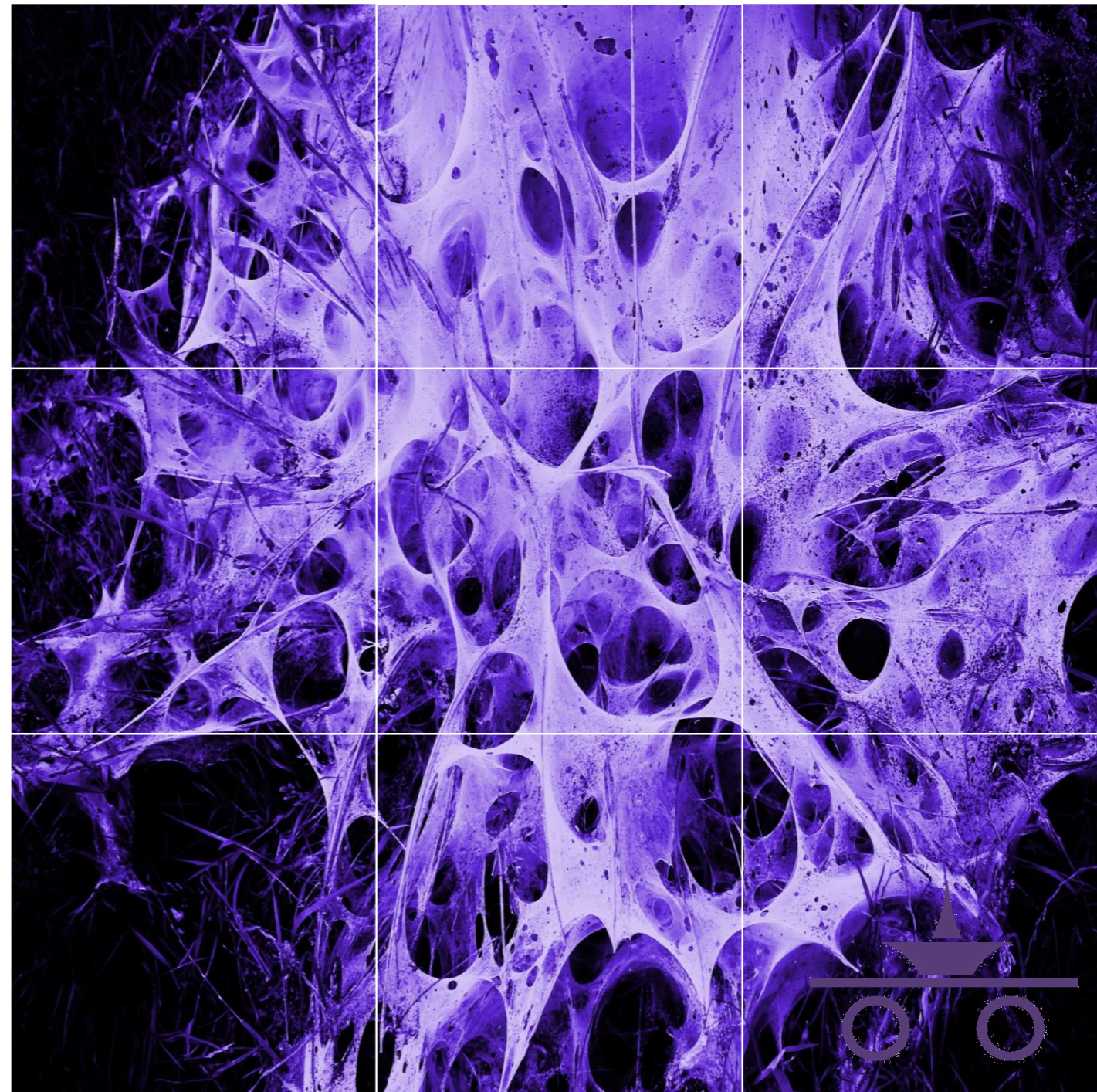


Aircraft Toilet Sanitizing Process





Avicom's aircraft toilet sanitizing process.

The perfect combination of a concentrated Aircraft Toilet Deodorant and a robust Dilution System

Introduction

Passengers and cabin crew on board of an aircraft may be carriers of intestinal disease. Meticulous cleanliness of aircraft toilets, together with sanitary treatment, handling and disposal of toilet wastes, is therefore of the utmost importance.

Although toilets on modern aircraft incorporate a complex electrical flushing mechanism, a filter and a recirculating or vacuum system - in contrast to the simple portable container on earlier aircraft – they are still basically chemical closets and are provided with a retention tank.

The retention tank without the addition of any chemical would, in effect be a cesspool, simply holding sewage until the contents are discharged at the next airport. If any passenger using the toilet has an intestinal infection, there is a risk that the disease will be transmitted when the toilet tank is emptied. It is therefore advisable to use an effective antimicrobial compound safe on aircraft substrates and ground servicing units.

AVM 265

Avicom developed a highly concentrated liquid, free of aldehyde and chloride, safe on aircraft substrates and approved under AMS 1476B, called AVM 265.

AVM 265 has a broad spectrum activity against both gram positive and gram negative bacteria and has a superior virucidal efficacy.

AVM 265 has to be diluted to a pre-defined use concentration prescribed by our customer's requirements and specification. Avicom will install an in-line dilution system at the airport of choice and will take care of production, storage, shipment and airport handling of AVM 265. Furthermore, the in-line dilution system is monitoring the ready-to-use (RTU) output and indicates when fresh material is needed. Upon this indication Avicom will manage the re-filling of the installation so we can guarantee that you will have a continuous operation. In other words you will always have the availability of the RTU product without the need of planning, ordering, stocking, shipping and diluting the Aircraft Toilet Deodorant, saving money, saving time.

Reduction of Total Cost of Ownership

AVM 265 in combination with our In-Line dilution system is put into a business model in which a customer purchases chemical services rather than just chemicals. These services encompass all aspects of the toilet deodorant lifecycle including: procurement, delivery/distribution, inventory, collection, monitoring/reporting, training, treatment, and disposal; each of which poses its own costs and risks. Both participants achieve bottom line benefits.

Avicom installed an in-line dilution system at Schiphol Airport together with our customer KLM in March 2014.

As of that very moment, KLM didn't had to order, stock, deliver and handle the aircraft toilet deodorant anymore. Avicom, furthermore, is responsible for preventive and corrective maintenance of the equipment (previously a 3rd party had to be called). The invoicing is done on a fixed fee per container and invoiced once a month.

KLM reported a total cost reduction of 30% on this activity which represents a couple of € 100.000,- a year.

Key benefits

- Highly concentrated Aircraft Toilet Deodorant; CO₂ footprint reduction, Cost price reduction.
- Elimination of stock planning, ordering, warehousing, distributing and handling of the toilet deodorant.
- Monthly invoice on services needed.
- Software that prevents operating mistakes
- Saving time, saving money

