



CAMFIL & CTT SYSTEMS TO INCORPORATE OZONE AND VOC FILTRATION IN HUMIDIFIERS FOR FLIGHT DECK, CREW REST AND CABIN

News / Airlines



Camfil announces a Memorandum of Understanding with CTT SYSTEMS AB , the market leader of aircraft humidity control system, to enter a partnership that opts to adapt Camfil's air filtration technology for aircraft and the aviation industry, primarily to be incorporated in CTT's humidifier products.

The cooperation aims to explore innovative air filter applications that improve air quality in the aircraft cabin, where Camfil expertise and leading-edge, air filtration solutions can be applied in cooperation with CTT's knowledge and footprint in the aviation industry. Primarily, CTT opts to incorporate air filtration in its humidifier products, to further improve air quality for pilots, crew, and passengers. Hereby, CTT can complement existing clean air solutions without adding additional maintenance or overhaul for airlines. The initial objective is to reduce Ozone and/or Volatile Organic Compounds (VOCs). By integrating filter technology in the pad module that is aligned with the service interval of the pad material, airlines can rip-and-replace the entire pad module. CTT has a large installed population of humidifiers in the flight deck and crew rests, primarily on Boeing 787 and Airbus A350 aircraft. The pad-filters will be completely interchangeable with the current product line of humidifiers/pads.

"We look forward to work with CTT to develop filters that can add additional value to CTT's customers and further improve air quality in aircraft. We will work very closely with CTT to

develop tailor-made filters certified for use in aircraft with very specific, high performance filtration and low pressure drop.”, says Mark Simmons CEO at Camfil.

“The premium-air-pad will be developed for our humidifiers in flight deck, crew rest and passenger cabin on Boeing 777X and Airbus A350, as well as for crew rests on the 787, improving air quality without adding extra service or maintenance. Airlines can initially select Ozone and VOC reduction,” comments Torbjörn Johansson CEO at CTT Systems.

About humidity in aircraft

Without an efficient humidification system, the cabin air is far more dehydrating than any place on Earth - below 5 % RH. Humidifier Onboard flight deck, crew rest or Business class generates a striking humidity increase, restored to comfort and wellbeing level, to approx. 20 percent Relative Humidity (RH). Passengers and crew will on long-haul flights benefit from reduced dry air related problems (e.g. fatigue, jet-lag, red eyes, dry skin, spread of virus diseases) and improved wellbeing and sleep. The CTT humidifier is based on evaporative cooling technology and uses a method that effectively precludes the transfer of bacteria.

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