



**IMPROVING THE AIR QUALITY IN
YOUR VIP CABIN**



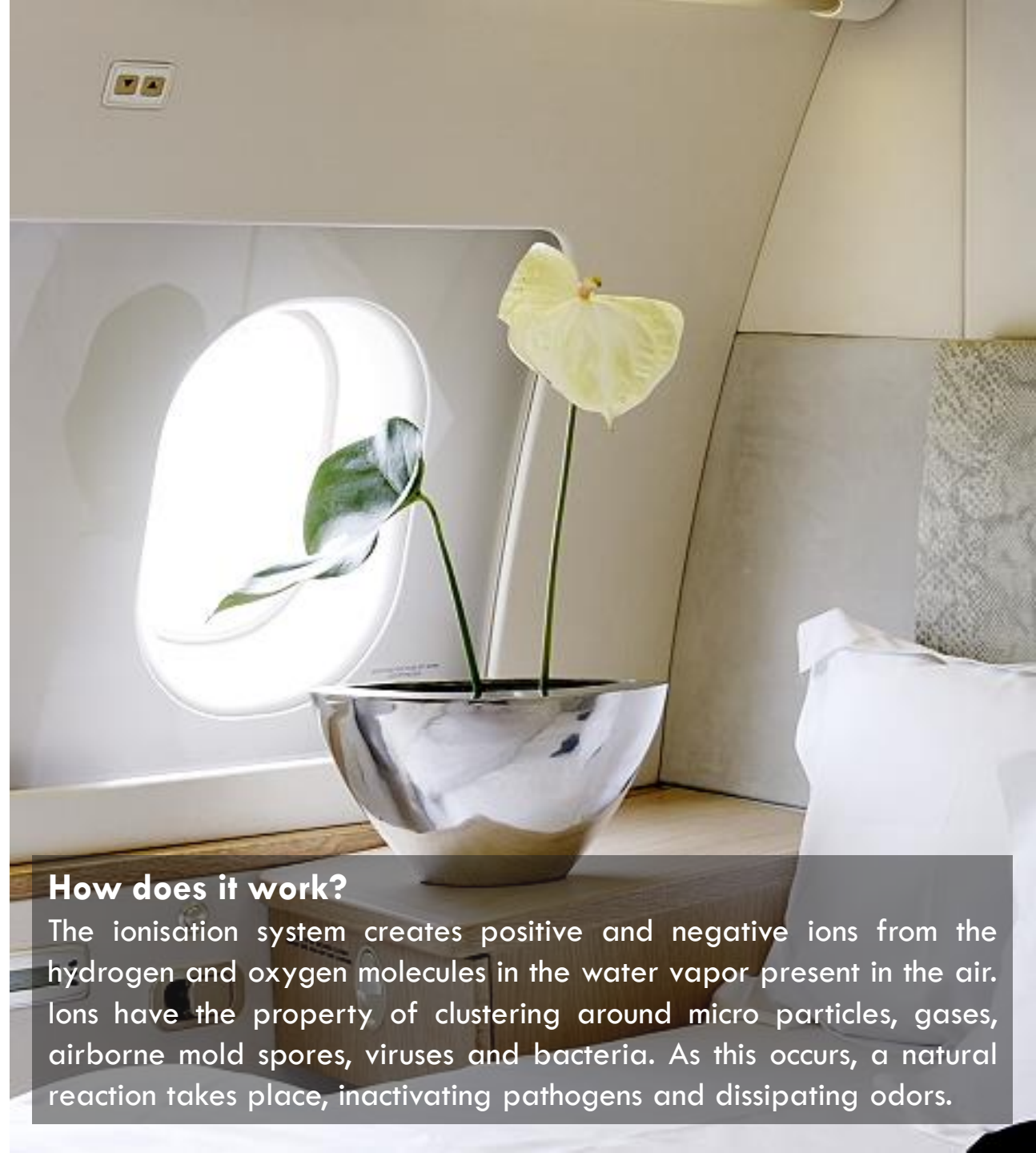
comlux



PURIFICATION BY IONISATION

Ionisation is a natural purification process which improves air quality

- Removes pathogens, viruses, bacteria and spores in the air and on surfaces
- Eliminates annoying and noxious odors



How does it work?

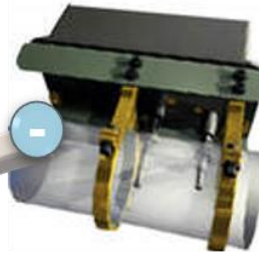
The ionisation system creates positive and negative ions from the hydrogen and oxygen molecules in the water vapor present in the air. Ions have the property of clustering around micro particles, gases, airborne mold spores, viruses and bacteria. As this occurs, a natural reaction takes place, inactivating pathogens and dissipating odors.



IONISATION IN AVIATION



CABIN AIR SUPPLY



ACA COMPONENT



FRESH AIR SUPPLY
AIR CIRCULATION TREATMENT

ACA company has developed a patent-pending, proven, reliable and certified ionisation system for VIP aircraft

Comlux is providing the integration & certification as a turnkey solution

The system provides the ionisation through the existing Environmental Control System (ECS) supply duct of the aircraft

- No harmful ozone or chemicals are produced
- No maintenance with filters to be changed or charged plates to clean is required
- Control is provided through switching in the cabin



IONISATION SYSTEM INSTALLATION BY COMLUX

The number of ACA components in an installation depend on the size of the aircraft and the configuration of the existing ECS supply duct layout

The system is available through Comlux for the following different aircraft types

- Airbus ACJ Family
- Boeing BBJ Family

Installation and testing is performed in less than 10 days





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