

CORPORATE JETS



---

**ACJ320neo Family**

**AIRBUS**

CORPORATE JETS

No more dry air...welcome to your oasis

Enhanced cabin humidification system

**Increase your well-being**  
while in-flight and feel fresh & relaxed upon arrival

Up to **22%** **relative humidity**  
for optimum passenger comfort

Optional feature

Supplied by **CTI**

**AIRBUS**



Transform the way you fly  
Enhanced cabin humidification system

Significantly improve passenger **well-being**

Create **ultimate** passenger comfort

- Feel refreshed & rejuvenated
- Reduce fatigue & jet lag
- Enjoy flavors & meals
- Prevent dehydration



Transform the way you fly



## Enhanced humidification system

Significantly improve passenger **well-being**

Create **ultimate** passenger comfort

Feel refreshed & rejuvenated  
Reduce fatigue & jet lag  
Enjoy flavors & meals  
Prevent dehydration

Optional feature

Supplied by **CTT:**

**AIRBUS**



## Enhanced Cabin humidification system Feel at home

Relative humidity in houses, offices and apartments is between 20-40%

Up to **22% RH** in the **ACJ320neo Family** cabin ensures

- Reduced dry air related problems (e.g. fatigue, jet-lag, red eyes, dry skin, nasal congestion, spread of virus diseases)
- Improved wellbeing & sleep
- improved sense of taste & smell

*Business jets without active humidification have an extremely low cabin RH (between 1-3%), drier than any of the driest climates on earth, such as in the Sahara or the Arctic*



# Benefits of cabin humidification

## Well-being onboard

- Prevents dehydration, including eyes, sinuses, mucous membranes as well as nasal congestion & sinus pressure
- Protects against airborne diseases such as colds, keeping your immune system intact
- Provides a new level of comfort for all onboard
  - More relaxed
  - Better rested
  - More refreshed
  - Less jet-lag symptoms

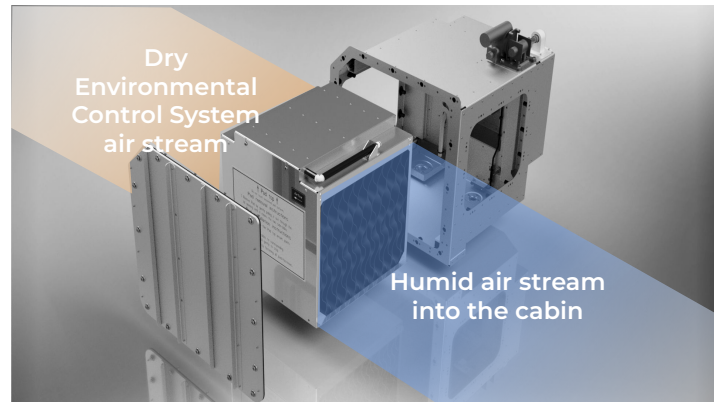
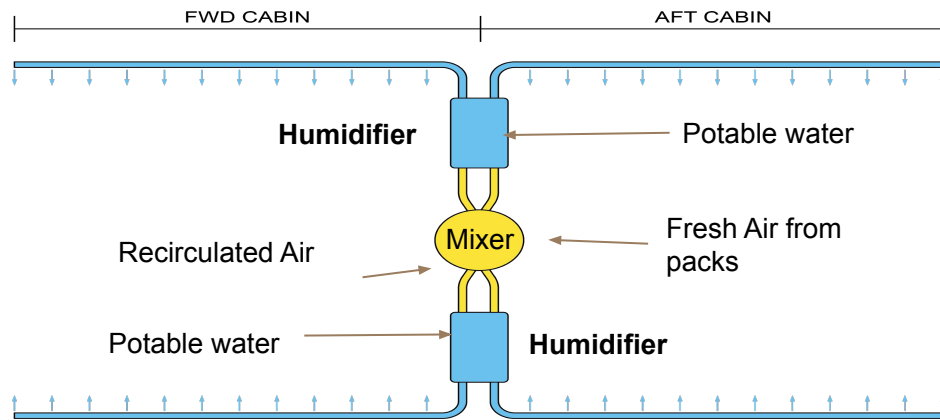
## Enjoy the flight

- Food and beverages in the skies will feel like on ground
- Recompose you sense of smell and taste
- Normalizes your taste buds
- No need to overdose salt or sugar, therefore having healthier meals

# ACJneo Cabin Humidification System Architecture

Benefits of cabin humidification combined with condensation prevention

## Humidification system (2 units)



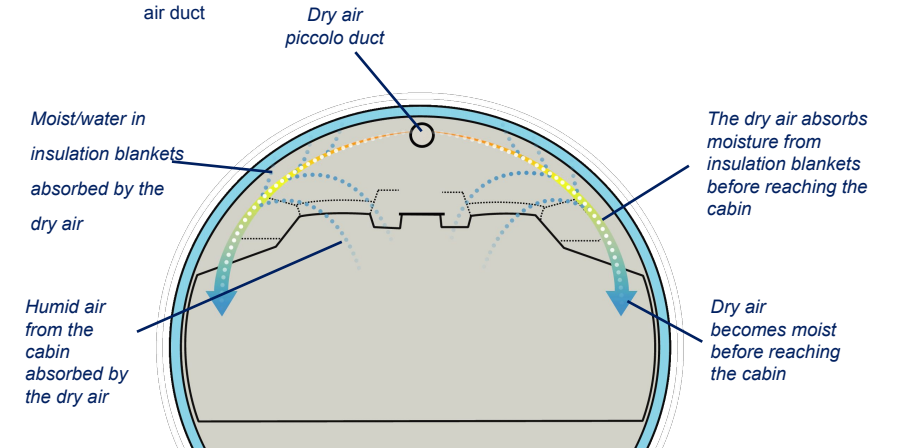
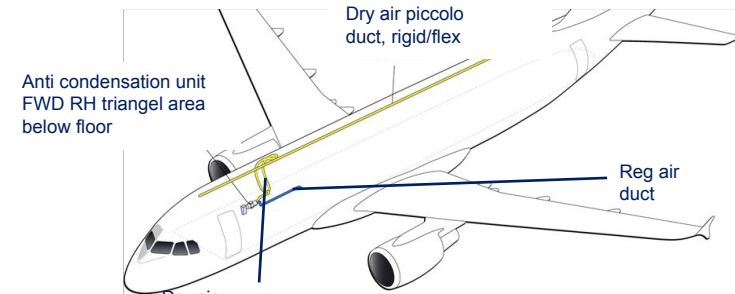
Fresh water from the potable water system is distributed over a GlasDek® pad

Water present in pad evaporates by the dry air stream



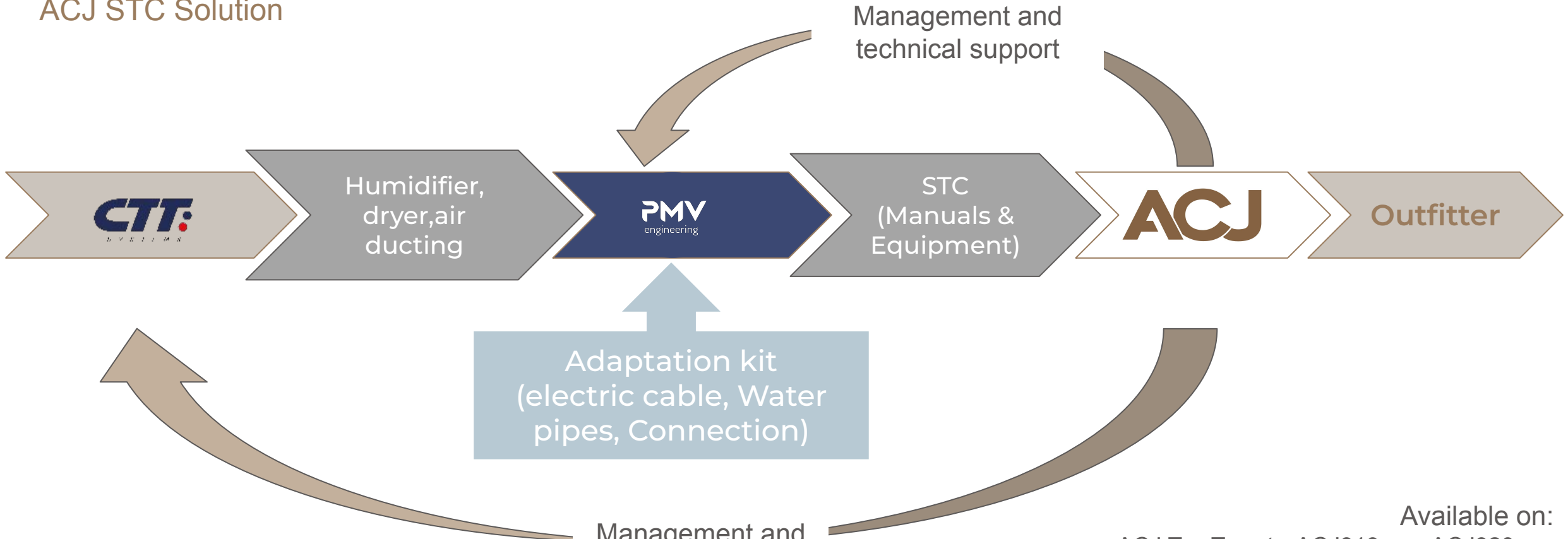
## Anti condensation unit (De-Humidifier)

Providing a layer of dry air between the cabin insulation blankets and the cabin lining  
Humidified air cannot get in contact with cold surfaces, **preventing water condensation**



# Co-Operation Process

## ACJ STC Solution



Available on:  
ACJ TwoTwenty, ACJ319neo, ACJ320neo

Retrofit on:  
ACJ319ceo & ACJ320ceo *(subject to preliminary aircraft inspection)*  
A321neo and A321ceo *(subject to additional development at first order)*



# ACJneo Humidification System

## key figures & performance targets

Water Consumption <i>based on 10 passengers on board</i>	ACJ319neo: 6.3-8.7 l/h / 1.67-2.30 US gal/h ACJ320neo: 6.5-9 l/h / 1.72-2.38 US gal/h
System Weight	84 kg / 185 lb
Optimized Humidity Distribution	Yes
Humidifier MTBF	100 000 FH
Zonal Dryer MTBF	25 000 FH
Simplified System Installation	Yes
Simplified Maintenance	Yes
Evaporation pad replacement Interval	24 months
Bolt on system, delivery of complete system, turnkey solution	Yes
System delivered with STC	Yes

CORPORATE JETS

**ACJ TwoTwenty**

---

**AIRBUS**

CORPORATE JETS

No more dry air...welcome to your oasis

Enhanced cabin humidification system

**Increase your well-being**  
while in-flight and feel fresh & relaxed upon arrival

Up to **22%** **relative humidity**  
for optimum passenger comfort

Optional feature

Supplied by **CTI**

**AIRBUS**



Transform the way you fly  
Enhanced cabin humidification system

Significantly improve passenger **well-being**

Create **ultimate** passenger comfort

- Feel refreshed & rejuvenated
- Reduce fatigue & jet lag
- Enjoy flavors & meals
- Prevent dehydration

Optional feature

Supplied by **CTT**  
SYSTEMS

**AIRBUS**



CORPORATE JETS

Transform the way you fly 



# Enhanced humidification system

---

Significantly improve passenger **well-being**

Create **ultimate** passenger comfort

- Feel refreshed & rejuvenated
- Reduce fatigue & jet lag
- Enjoy flavors & meals
- Prevent dehydration

Optional feature

Supplied by **CTT**

**AIRBUS**

# Enhanced Cabin humidification system

## Feel at home

Relative humidity in houses, offices and apartments is between 20-40%

Up to **22% RH** in the **ACJ TwoTwenty** cabin ensures

- Reduced dry air related problems (e.g. fatigue, jet-lag, red eyes, dry skin, nasal congestion, spread of virus diseases)
- Improved wellbeing & sleep
- improved sense of taste & smell

*Business jets without active humidification have an extremely low cabin RH (between 1-3%), drier than any of the driest climates on earth, such as in the Sahara or the Arctic*





# Benefits of cabin humidification

## Well-being onboard

- Prevents dehydration, including eyes, sinuses, mucous membranes as well as nasal congestion & sinus pressure
- Protects against airborne diseases such as colds, keeping your immune system intact
- Provides a new level of comfort for all onboard
  - More relaxed
  - Better rested
  - More refreshed
  - Less jet-lag symptoms

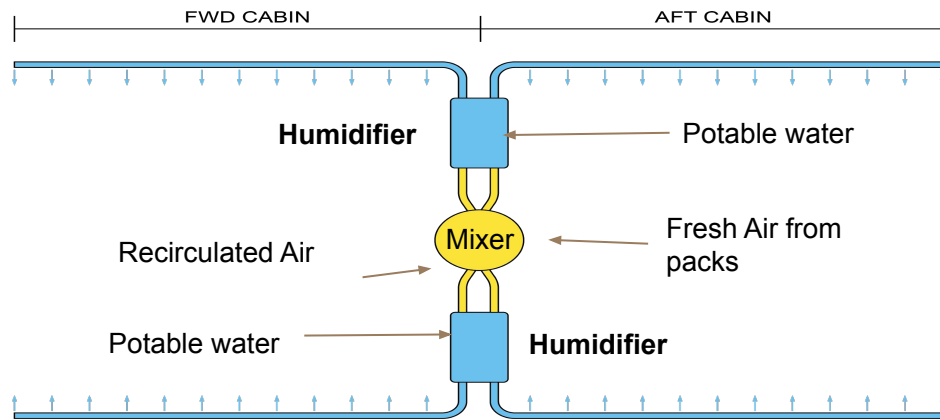
## Enjoy the flight

- Food and beverages in the skies will feel like on ground
- Recompose you sense of smell and taste
- Normalizes your taste buds
- No need to overdose salt or sugar, therefore having healthier meals

# ACJ TwoTwenty Cabin Humidification System Architecture

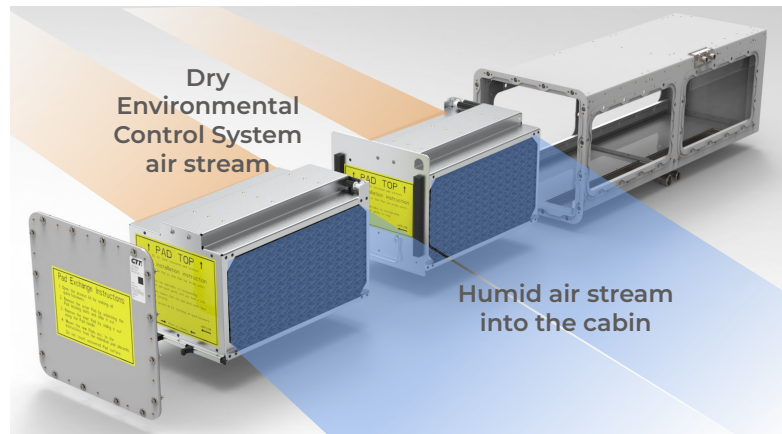
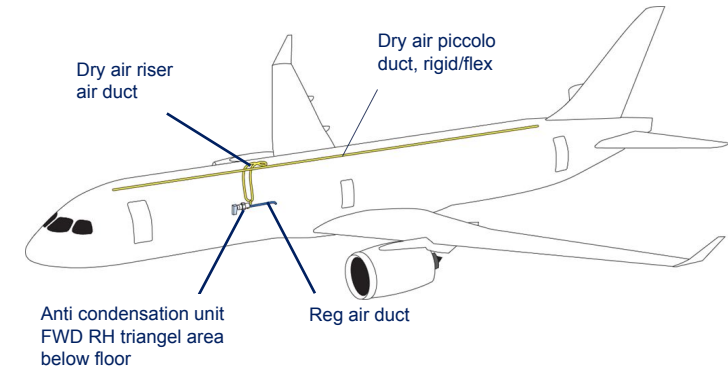
Benefits of cabin humidification combined with condensation prevention

## Humidification system (4 units)

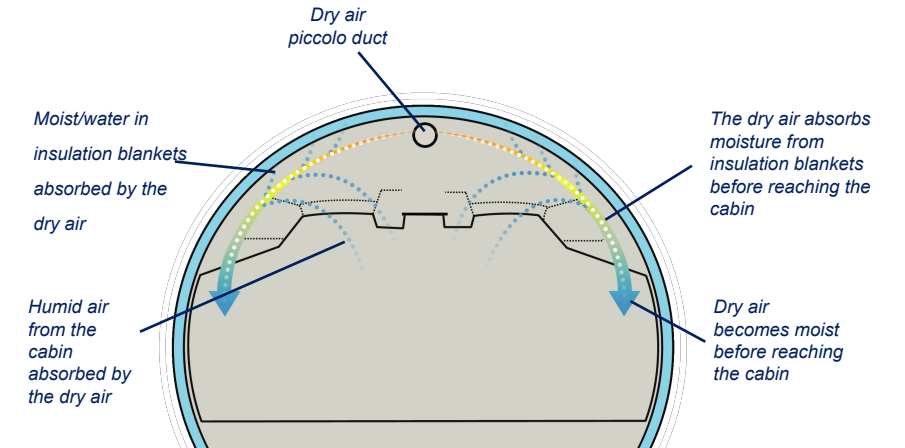
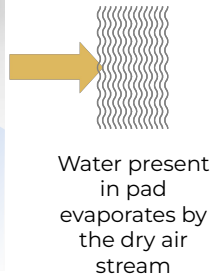


## Anti condensation unit (De-Humidifier)

Providing a layer of dry air between the cabin insulation blankets and the cabin lining  
Humidified air cannot get in contact with cold surfaces, **preventing water condensation**

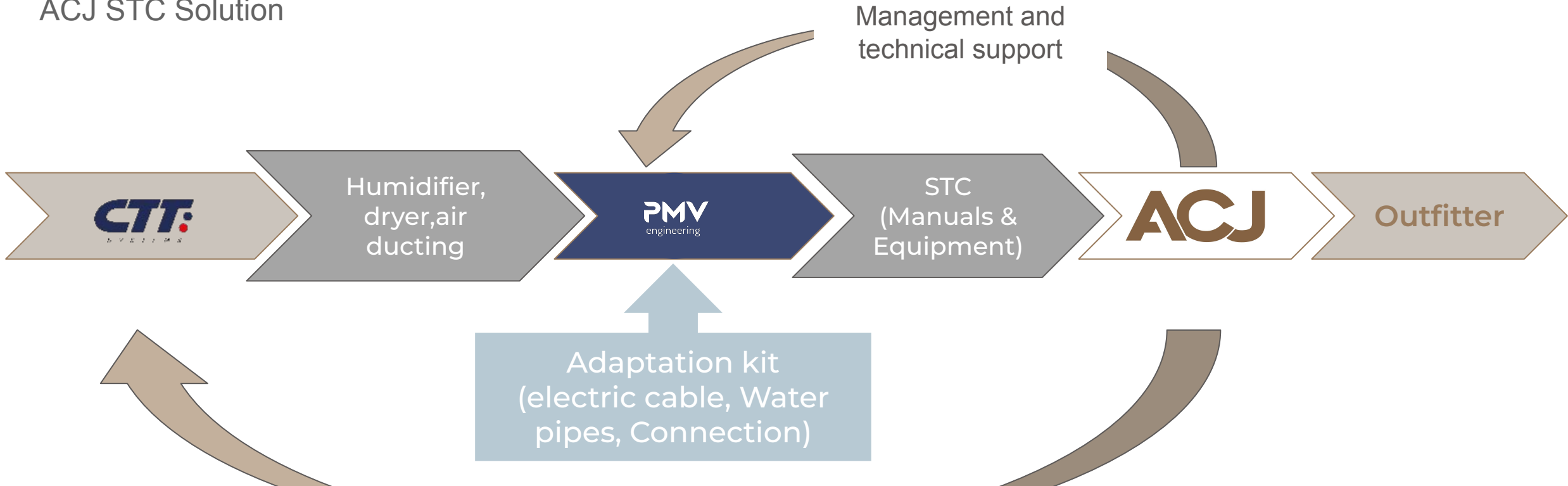


Fresh water from the potable water system is distributed over a GlasDek© pad



# Co-Operation Process

## ACJ STC Solution



Available on:  
ACJ TwoTwenty, ACJ319neo, ACJ320neo

Retrofit on:  
ACJ319ceo & ACJ320ceo *(subject to preliminary aircraft inspection)*  
A321neo and A321ceo *(subject to additional development at first order)*



# ACJ TwoTwenty Humidification System

## key figures & performance targets

Water Consumption <i>based on 10 passengers on board</i>	6-7 l/h / 1.58-1.85 US gal/h
System Weight	58 kg / 128 lb
Optimized Humidity Distribution	Yes
Humidifier MTBF	100 000 FH
Zonal Dryer MTBF	25 000 FH
Simplified System Installation	Yes
Simplified Maintenance	Yes
Evaporation pad replacement Interval	24 months
Bolt on system, delivery of complete system, turnkey solution	Yes
System delivered with STC	Yes