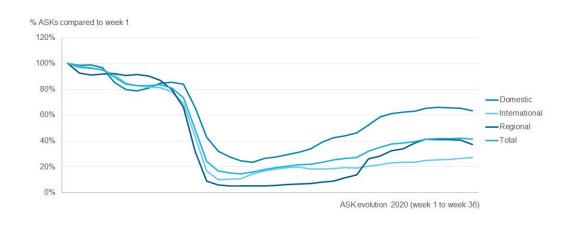


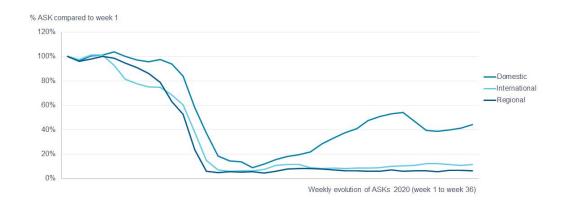
Mads BONDERGAARD, COO, Airbus Asia Pacific 23 Sept 2020



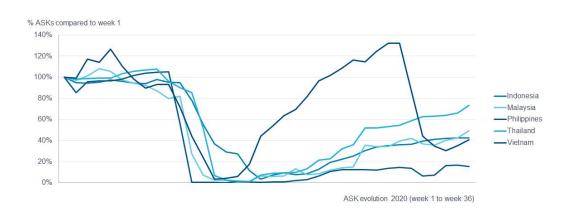
Key points

- ASEAN decline in air travel
- 2 Safety of carriers
- Passenger safety
- Government support

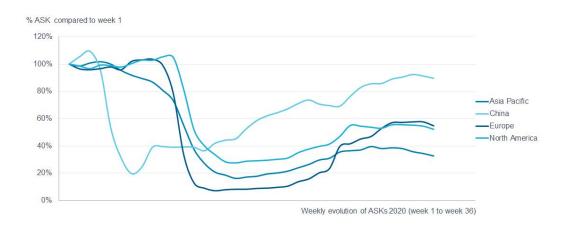




Global ASK evolution in 2020



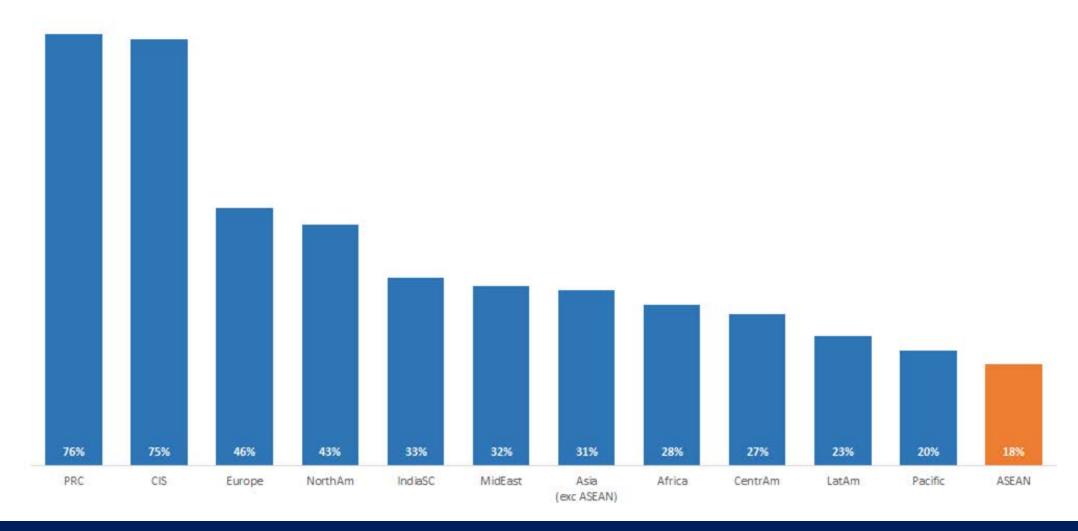
ASEAN ASK evolution during 2020



ASEAN largest domestic markets' evolution in 2020

ASEAN region "domestic" market evolution compared to other large domestic markets





Total ASKs (6th Sept vs 1st Jan 2020)

Key issues and opportunities

- "Return to Flight Operations" implementation of ICAO & EASA recommendations
- Common ASEAN sanitary protocol
- **Consistency** of recommendations to carriers
- Pilot's Proficiency Check
- Crews travelling for SIM training & aircraft deliveries
- "Never let a good crisis go to waste": Recovery of ASEAN open skies policies
- Opening of safe intra-ASEAN routes

Thank you

Stay safe!



Charbel YOUZKATLI, Support Director – Keep Trust in Air Travel Initiative 23rd September 2020



Keep Trust in Air Travel

Airbus, alongside our aviation and regulatory partners, is examining all aspects of the end-to-end travel experience to ensure it remains healthy and safe.

- Achieve a collective response to maintaining passenger trust.
- Enable a safe and quick return to airline operations.
- Bring together airlines, airports, aircraft manufacturers, and regulators to drive end-to-end solutions to enable the return of mass air travel.









Aircraft Clean Space

Clean Air

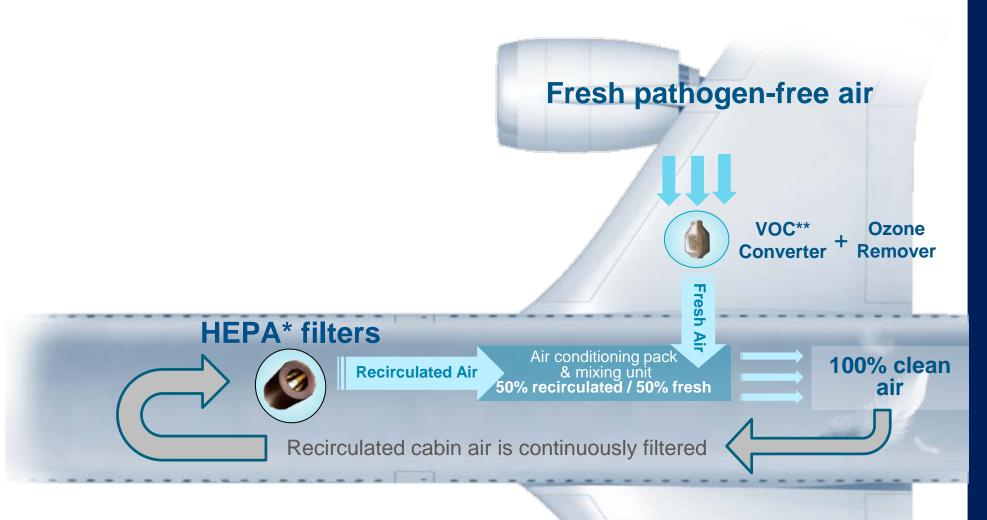
Air renewed every 2-3 min HEPA filters capture viruses
Top-down airflow patterns

Clean Interior
Disinfection methods Antimicrobial surfaces

Clean Touch

Touchless functionality
Hand sanitizers

Conditioned, filtered, fresh air for a safe and healthy flight







Advanced filtration

The air is fully renewed every 2-3 min

HEPA filters remove more than 99.9% of particles, virus and bacteria

Hospital-grade air filtration

HEPA Filtration: hospital-grade efficiency



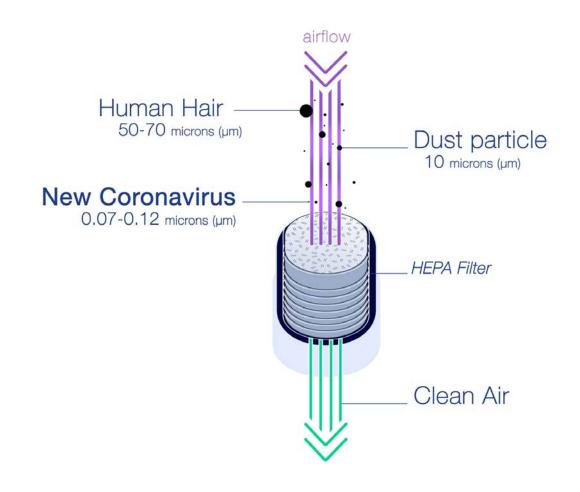
HEPA filters capture **more than 99.9%** of particles, including viruses and bacteria

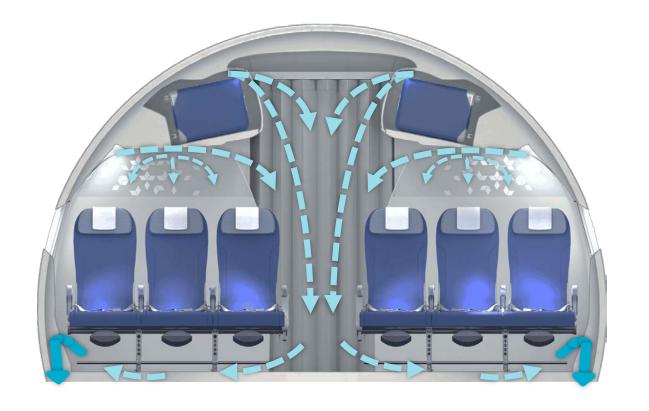
HEPA filters use different filtration methods addressing different particle sizes

Small particles like **Coronavirus** are **captured** in the **HEPA** filter

Similar filters are used in hospitals

All Airbus aircraft manufactured since 1994 are fitted with HEPA filters





Optimised top-to-bottom airflow patterns Avoiding spread of virus/bacteria



Cabin air continuously renewed every 2-3 minutes



Well-positioned air inlets & outlets: efficient cabin air distribution

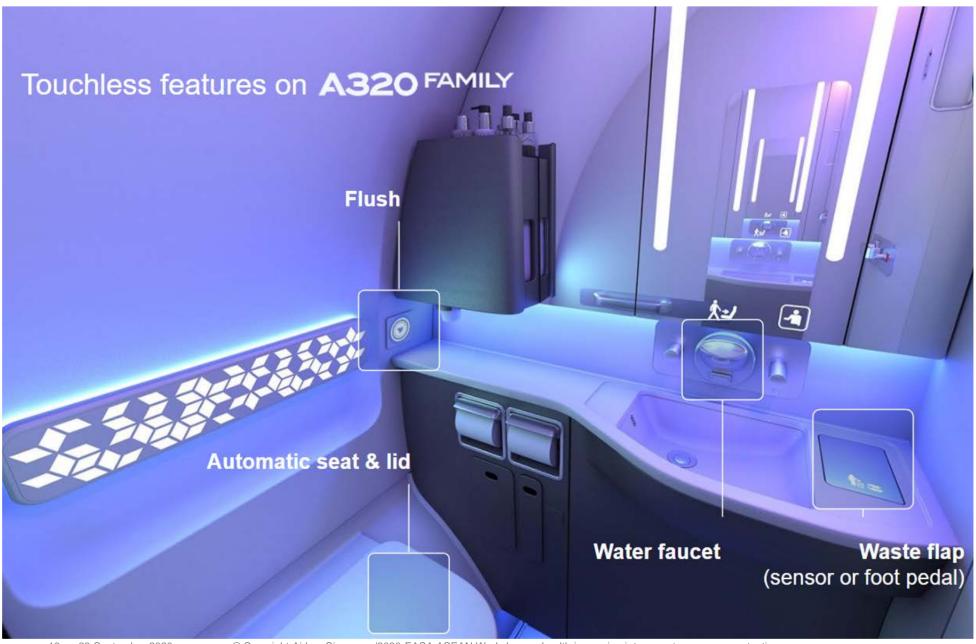
(hospitals≈10min, offices≈20min)

Clean Air Fresh & clean air by design

The **air** is fully renewed every 2-3 min

Flow patterns limit air mixing along the cabin

Lavatory and galley air is directly exhausted outside





Cabin Options:

Touchless features

Hand sanitizers

Antimicrobial surfaces





Disinfection Methods

"Apply & wipe-off" method

- Already applicable
- Described in the aircraft maintenance documentation
- Products compliant with SAE AMS 1452 & 1453

Alternative methods being investigated:







SING THERMAL



UVC



HYDROGEN PEROXYDE



OZONE



IONIZATION

AMS: Aerospace Material Specification
SAE: SAE International - formerly Society of Automotive Engineers





Airbus Cabin Droplets Study

Objective:

Understand particle propagation in an Airbus aircraft cabin resulting from a simulated passenger droplet emission event (coughing, sneezing, breathing, talking).

*For Internal Use Only and not to be shared without the permission of Airbus

Educate and build trust with facts



Getting ready to fly again

making a special, 2001

For a special and the proposed of the special and the form of the proposed of the special and the special and the special and the special and the form of the special and the special and

IdeaSpace campaign activated

Crowdsourcing for solutions for safe return to the skies for airlines and passengers.

Cabin Air Quality Facebook & Twitter Live



Launch landing page website +activation campaign

Landing page on Airbus.com; respective activations on social media + "Why it is safe to fly" podcast with JB Dumont.



Audience interaction campaign: "Why will you book your next flight?"

Staying safe and healthy in the skies

Adding assets to the landing page (ongoing) e.g. infographic travel guidance

Additional website activation + additional assets



Focus on pertinent Qs, e.g.

"What will flying be like now?"

"How can I prepare for my trip?"

"Where can I find up-to date travel information?"

75eptember

via LinkedIn Pulse post by JB Dumont: "Getting ready to fly again"



Airbus spokespersons enabled across Europe, Japan, India, North America, Asia for top-tier media interviews.





Prepraring for a Safe Return to the Skies website



Briefing pack disseminated to airlines in 10+ languages.





with ATAG, IATA, Boeing, ICCAIA, ACI (ongoing)

Confident traveller briefing



Pilot retraining scheme COVID adaptation 11K views >August





Roundtables on the safe return to flight



Travel Companion App



Ongoing media engagements



World Tourism Day



Upcoming topics: cabin heating & more





- Layered approach across the passenger end-to-end journey
- Aircraft cabin environement is safe: HEPA filtered Air and Hygenic surfaces
- Air transport limits the risks of SARS-CoV-2 transmission as much as possible
- Airbus is committed to driving solutions for a safe and healthy journey so that passengers can continue trusting air travel, from the moment they consider boarding an aircraft to the minute they leave the airport
- Collaboration across the Aviation industry is the key for recovery; Regulators' and health authorities' role is more important than ever
- Flying is as safe, if not safer, than other regular daily activities

#KeepTrustInAirTravel

Thank you