

# GREEN CABIN ALLIANCE

Circularity in the cabin:  
progress report

PEC 2025

## **OUR MISSION**

The Green Cabin Alliance brings the aircraft interiors industry together around a shared mission to reduce the environmental impact of aircraft cabin interiors.



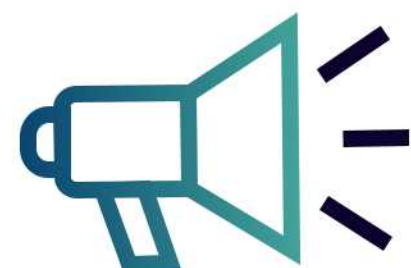
# GREEN CABIN ALLIANCE

## MEMBERS CHARTER

We invite our members to adhere to the following charter:



**Reduce** the environmental impact of our aircraft cabin products and services.



**Advocate** actions that increase awareness and share knowledge in our industry of best practice.



**Recognizing** the impact of weight in lifetime operation of aircraft



**Avoid** Greenwashing and promote discourse that can prevent greenwashing



**Collaborate** with members to achieve the common goal of reducing the environment impact of aircraft cabin interiors



**Transparency** of sustainability data and process for airlines, passengers, and investors.



# GREEN CABIN ALLIANCE ADVISORY BOARD



**Karen Hills**  
**Boeing**

Sustainability Leader for our Cabin and Cargo Engineering. Karen leads Sustainability for Payloads Engineering is responsible for integrating Sustainability into the lifecycle of Cabin Interiors and Cargo products and services.



**Chris Dela Rosa**  
**Alaska Airlines**

Chris Dela Rosa oversees Alaska Airlines' cabin experience, driving sustainability efforts to support the airline's goal of net zero carbon emissions by 2040 across its 300+ aircraft fleet in the US.



**Eric Ezell**  
**Airbus**

Head of Cabin and Cargo Innovation at Airbus, Sustainable Cabin and Cargo Lead.



**Catherine Barter**  
**Cathay Pacific**

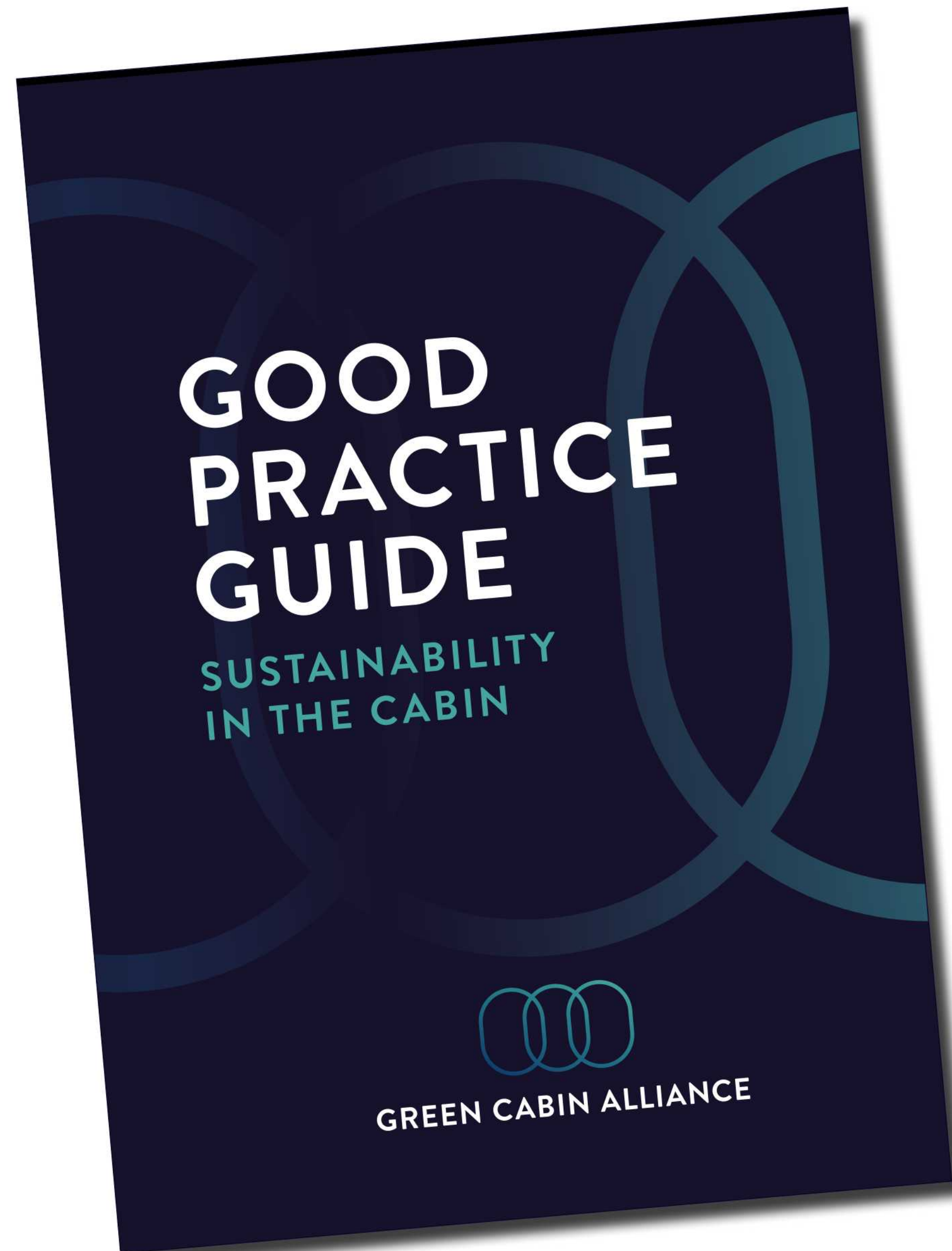
AM Customer Experience Design - Aircraft Seating Product.

I am very excited to join the GCA on behalf of Cathay Pacific and even more excited to be a part of an industry that wants to change.

## The Advisory Board

This voluntary board is a hand-picked group of experts and key leaders representing skill sets and viewpoints from across the industry. The advisory board meets four times a year to contribute to the strategic direction and thought leadership of the GCA.





## **GCA Good Practice Guide**

**Goal:** To provide GCA members with information and support to increase sustainability within the industry.

To support informed and strategic actions and enable businesses to become more resilient and competitive.

Raising the bar for the industry in a joint and collaborative manner.

**Audience:** Airlines, aircraft OEM, seat OEM,s material suppliers, designers and end-of-life recycling specialist.s

**Advisors:** Specialists from within and outside the industry.



## GCA Good Practice Guide

The GCA Good Practice Guide has been created focusing on 3 key themes - Circularity, Data Transparency and Sustainable Business Models to support the industry with:

- Unbiased clear and concise information about sustainability to enable companies to understand the need for change and action
- How to engage leadership teams to implement actions that will ensure meaningful and strategic change
- A Step by Step Guide to help businesses understand where they are on their sustainable journey and support progression (Foundation, Advanced and Leading)

***"WE NEED TO COME  
TOGETHER TO MAKE  
CHANGE"***

Elina Kopola  
TrendWorks



# THOMPSON AERO SEATING DYNAMIC TEST FACILITY (DTF)

## How a companies long term strategy for innovation aligns with its commitment to sustainability and operational efficiency

Thompson Aero Seating opened their world leading cutting edge on-site Dynamic Test Facility in October 2023.

As part of the new Thompson Engineering Centre, the Dynamic Test Facility itself represents an investment of over £7.5 million. The facility gives Thompson enhanced capabilities to certify new products for airworthiness at its own premises (testing that until now has had to be carried out in the US or Europe) and to carry out research and development work.

This cutting-edge facility has accelerated R&D and NPI (New Product Introduction) processes enabling real time testing and feedback. The Dynamic Test Facility allows engineers to reproduce the dynamic conditions of a full-scale crash event in a controlled environment.

Having this facility on site gives Thompson a huge advantage in the industry, enabling the teams to continue exploring innovative, lightweight and market-disruptive seating solutions. This has allowed to company push boundaries and innovate in ways that would have been impossible prior to the facility being set up.

### SUSTAINABILITY

DTF will enable Thompson's designs to be optimised, reducing weight and, therefore, reducing the carbon footprint of the seats in flight. With the nearest alternative facilities being overseas, this on-site Dynamic Test Facility makes the whole process more environmentally sustainable for Thompson.

Apart from the cost and emissions of sending seats worldwide for testing. Since opening the facility Thompsons have made a reduction of more than 12 tonnes of CO<sub>2</sub> emissions by not sending engineers to external facilities.

### REDUCTION OF OVER 12 TONNES OF CO<sub>2</sub> EMISSIONS THAT'S EQUIVALENT 400,000 CUPS OF TEA, MEANING 1 PERSON DRINKING 10 CUPS A TEA FOR 109 YEARS

1 Good Practice Guide: Sustainability in the Cabin

"It is, however, what we have not done since the opening of the DTF that is perhaps most significant: We have not had to send more than 80 engineers to perform tests at external facilities, saving 80 flights, with 35000 miles not flown, and 12000 miles not driven, making a reduction of more than 12,000kg of CO<sub>2</sub> emissions. This achievement aligns closely with our commitment to sustainability and operational efficiency."

KEITH ANDERSON  
CEO THOMPSON AERO SEATING

### 100% OF ELECTRICITY SOURCED FROM RENEWABLE SOURCES

The design and build of the facility were done with full compliance of local planning and environmental regulations guided by SDG's - United Nations Sustainable Development Goals. Local materials and suppliers were used as well as new green spaces were created to improve biodiversity and to support carbon capture.

With regards to energy sources and efficiency, Thompsons is committed to using renewable energy. 100% of the electricity consumed by the facility comes from renewable energy sources (certified since 2023) and to further reduce their carbon footprint, Thompsons has transitioned from oil-based heating to Flogas, a cleaner fuel with lower carbon emissions compared to traditional oil in improving overall energy efficiency and environmental impact.

"This investment in engineering and business capability represents an important and ambitious milestone in Thompson's Northern Ireland story. It is a great example of the Department for the Economy's 10X in action, enabling the company to continue its ethos of innovation with an investment which will also boost economic growth in the Armagh, Banbridge & Craigavon Council area."

JEREMY FITCH  
EXECUTIVE DIRECTOR OF BUSINESS GROWTH GROUP  
(INVEST NI)

### THOMPSON AERO SEATING

### KEY BENEFITS

- Reduce the cost and risk of project delay for NPI Certification
- Improve R&D agility and support innovation
- Enable the company's commitment to sustainability and operational efficiency
- Funding Partnerships which boost local economic growth

### ZERO WASTE BEING SENT TO LANDFILL THROUGH UTILISATION OF WASTE HIERARCHY

## GCA Members *Showcase*

Promotes best practice and celebrates collaborations from our members.

Features products and projects to inspire increased sustainability and different thinking.



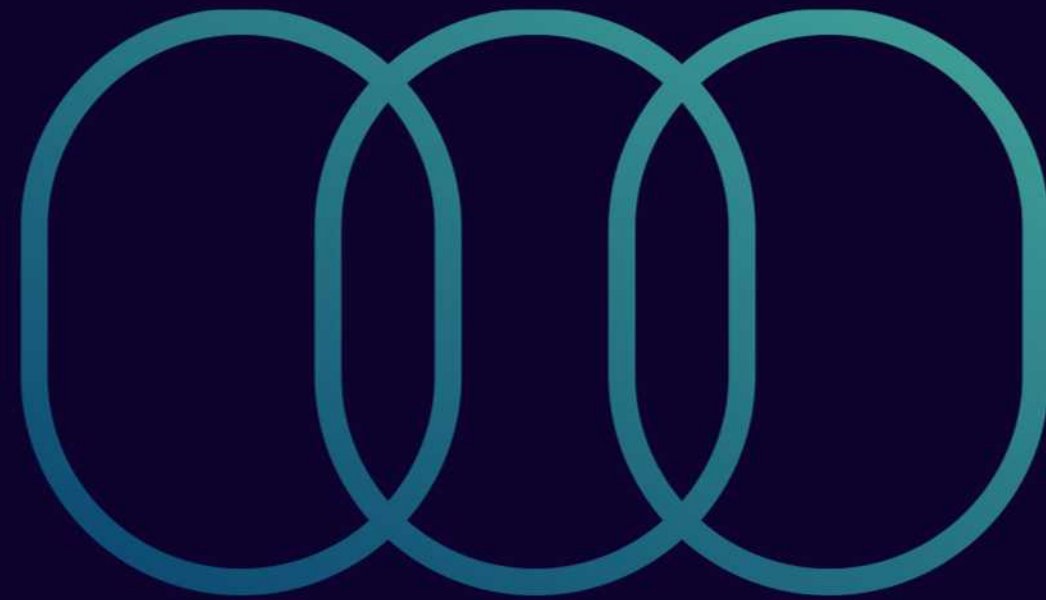


## Launch of GCA Good Practice Guide AIX 2025

Members to have first review, to share with stake-holder and clients

**Format:** Hard copies for each member, plus digital document access via QR code.





**GREEN CABIN ALLIANCE**

**Thank you**