



AIRCRAFT CABIN Innovation Summit

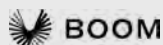
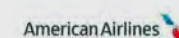
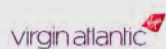
6 – 7 DECEMBER 2021 | BODENSEEFORUM KONSTANZ, GERMANY

8 DECEMBER 2021 | ZIM AIRCRAFT SEATING DAY, GERMANY

Hosted by ZIM Aircraft Seating:



SOME OF OUR PAST SPEAKERS AND GUESTS:



Sponsors:  PACE



Partner:  KYDEX



AIRCRAFT CABIN INNOVATION SUMMIT

6 – 7 December 2021 | Bodenseeforum Konstanz, Germany

8 December 2021 | ZIM Aircraft Seating Day, Germany

EARLY CONFIRMED SPEAKERS AND GUESTS

SVEN ACHILLES

CEO
ZIM Aircraft Seating



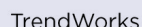
ANTHONY HARCUP

Senior Director
TEAGUE



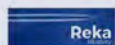
ELINA KOPOLA

Trend & CMF specialist
TrendWorks



BEN TRENCARD

Founder & CEO
Reka BlueSky



BEN BETTELL

Program Director
Aircraft Interiors
Counterpoint



IAN SCOLEY

VP Design & Innovation
Safran Cabin



SEBASTIAN TIVIG

Senior Cabin Integration
Manager & CVE –
Upgrade Solutions



DR. DIETMAR VÖLKLE

Vice President Research
Diehl Aviation

CHRIS WOOD

MBE
Flying Disabled



NIGEL SMITH

Managing Director &
Head of Design
SWS Certification



DANIEL MACINNES

Design Director
PriestmanGoode.



CRISTIAN SUTTER

CEO
Avensis



GLENN JOHNSON

Director Design
Collins Aerospace



JEFF ROBERTS

Chief Engineer & Senior
Leader – Cabin, Payloads
& Customer Engineering
Senior Leader – Technology Integration
Product Development
Boeing Commercial Airplanes



LAURENT STRITTER

VP Aerospace
Style&Design



ALEX KIECK

Account Manager Europe
Pexco Aerospace, Inc



SOWMYA THYAGARAJAN

CEO
Foviatech GmbH



ASHLEY GARRIS

Onboard Brand
Experience & Design
Delta



BEN SMALLEY

Aviation Market
Business Manager
Sekisui Kydex



**ALEJANDRO
NÚÑEZ VICENTE**

Designer & Project Manager of the
Chaise Longue Economy Seat
(Project being developed
in partnership with TU Delft)



JAIME DIAZ MENDOZA

Head of Fleet Projects
Avianca



STEPHAN BAUR

Principal
Roland Berger



BEN ORSON

Managing Director
Orson Associates



CATHERINE BARBER

CMF Consultant
STUDIO CATHERINE BARBER



BERNHARD

RANDERATH
Chief Executive
Officer



German Emirati Institute
Chairman of the Board
The Aviation AM Centre

JOHN WALTON

Independent Aviation Journalist

PHIL HALL

CTO
TSI Seats



JENS ROMCA

Founder
müller/romca transportation Design



JOY KELLY

Senior Vice President
Avolon



Please contact: Andreas Wibowo, andreas.wibowo@redcabin.de | direct line: +49 30 99 40 489 11 | mobile: +49 162 256 738 2



AIRCRAFT CABIN INNOVATION SUMMIT

6 – 7 December 2021 | Bodenseeforum Konstanz, Germany

8 December 2021 | ZIM Aircraft Seating Day, Germany

PARTNER

SEKISUI | KYDEX SEKISUI KYDEX innovates and creates sustainable thermoplastic material solutions for the next generation of product design to help enhance the passenger experience. The KYDEX® Thermoplastics Quick Response Manufacturing (QRM) business model of manufacturing bespoke materials with short lead times in small quantities expands beyond thermoplastic sheet. The fully compliant KYDEX® portfolio also includes injection molding resins, proprietary Infused Imaging™ technology, integral special effects, unique textures, antibacterial protection and custom products and design. The SEKISUI KYDEX appLab™ and designLab® Innovation Centers are collaborative spaces for clients and customers to bring the supply chain together for rapid prototyping and design development. These spaces are the bridge between engineering and art. Please visit [SEKISUI KYDEX](https://www.sekisui-kydex.com).

MEDIA PARTNER



Aircraft Interiors International celebrated its 20th anniversary in 2018 and over the last 20 years it has grown to become the industry's premier publication. With an ABC audited circulation of just short of 14,000 buyers and key decision makers, the hard copy format is extremely valued by readers for detailed content, sense of style and easy-to-read format, and appreciated by advertisers for consistently generating strong sales leads and wider brand recognition. Industry news is delivered through our weekly email service linked to our website aircraftinteriorsinternational.com. You are welcome to take a complimentary copy during the Conference.

WHAT YOU WILL EXPERIENCE ON SITE

KEYNOTE SPEECH

Listen, learn and receive in-depth knowledge from industry experts, including OEMs, airlines, regulators, seat manufacturers and materials suppliers.

INTERACTIVE PANEL DISCUSSION AND AUDIENCE Q&A

Interact with our panelists and have all your questions answered.

INTERACTIVE WORKING GROUP

Discuss, brainstorm, and work together during these hands-on, interactive sessions. Tutorials and working groups are also an excellent chance to interact and network with other industry professionals.

EVENING NETWORKING RECEPTION

You are invited to evening activities. Take this opportunity to network and make new business contacts – or just relax and round off the day.

Please contact: Andreas Wibowo, andreas.wibowo@redcabin.de | direct line: +49 30 99 40 489 11 | mobile: +49 162 256 738 2



AIRCRAFT CABIN INNOVATION SUMMIT

6 – 7 December 2021 | Bodenseeforum Konstanz, Germany

8 December 2021 | ZIM Aircraft Seating Day, Germany

SPONSOR



Driving innovation for over 200 years. From a local ribbon manufacturer to a global technology leader in high-tech fastener systems: as a family-run, globally successful company, Binder Group offers technical fastening solutions for a wide range of industries like for example aviation, automotive or personal care. To build on our innovative edge, we place considerable emphasis on research and development as well as on collaborations with leading research institutes and universities. The result of this is numerous patents and new products of uncompromising quality and maximum reliability – properties that all our products have in common.

For more information please visit binder.de.



Is cabin layout optimization and validation hogging resources? Would you like to accelerate your customization and bidding process? Save time and energy with the myCabin and Pacelab ACE configurators – from the leaders in aircraft configuration software, PACE.

myCabin's expert functionality helps you efficiently create cabin layouts and validate them in real time – much faster than any CAD application.

Pacelab ACE helps suppliers and buyers to manage their customization processes in a single, fully digital workflow, dramatically reducing proposal turnaround time. Since 1995, PACE – now a TXT company – has provided trailblazing software solutions for the aerospace and aviation industries. When you step into a commercial aircraft anywhere in the

SPONSOR

world today, chances are it was customized with the help of PACE configuration software. From cabin layouts to smart customization and proposal management, our aircraft configuration portfolio embodies our dedication to optimizing processes through digital transformation. This dedication and our strong commitment to innovation and quality are at the heart of what has made PACE products an industry standard for more than 20 years.

For more information please visit pace.txtgroup.com.



Pexco Aerospace provides structural aircraft interior systems, components and solutions for the aviation industry.

We deploy a variety of state-of-the art manufacturing techniques and materials to manufacture aircraft cabin and structural components, products and assembled solutions, utilizing advanced equipment with years of technical expertise.

Trim and finish components for aircraft interiors are critical for providing trim applications that double as protection and are aesthetically pleasing. These components have critical functions, eliminate or hide unpleasant seams, and act as a seal, bringing two components or monuments together. We are the OEM producer of all BAC1522 products.

Please contact: Andreas Wibowo, andreas.wibowo@redcabin.de | direct line: +49 30 99 40 489 11 | mobile: +49 162 256 738 2



AIRCRAFT CABIN INNOVATION SUMMIT

6 – 7 December 2021 | Bodenseeforum Konstanz, Germany

8 December 2021 | ZIM Aircraft Seating Day, Germany

WHAT OUR PAST DELEGATES EXPERIENCED

„Got to be the best event I have attended. Personal, open, great group willing to discuss and share common experiences/challenges and opportunities.“

Factory Design

„Great content, great participants, great location.“

Recaro Aircraft Seating

„Red Cabin summits above all others stand out as an exceptional industry platform where the panellists and delegates can discuss difficult subjects and solutions that are beneficial for the industry as a whole.“

Counterpoint

„The RedCabin Innovation Summit uniquely provides an open, candid and collaborative forum where industry experts share their experience and ideas in a trusted and congenial environment for the benefit of the entire Cabin Interiors industry.“

DUNCAN AERO LTD

„Great conference and opportunity to meet with other airlines.“

Saudi Arabian Airlines

„RedCabin’s summits, panel discussions, and workshops stimulate new partnerships through collaboration and innovation while expanding industry education. Their model is positioned perfectly to keep the industry working together through these challenging times by pivoting to virtual collaboration, which resulted in an Aviation Hygiene Working Group. Sekisui Kydex is a proud partner of RedCabin and we are enthusiastically expanding our partnership into the Mass Transit Industry.“

SEKISUI KYDEX

„At RedCabin we always meet fantastic new people, are exposed to a broad spectrum of experiences, projects and ideas, and have the chance to collaborate with each other in an open and inspiring way... and that is what our industry thrives on.“

Acumen Design Associates



AIRCRAFT CABIN INNOVATION SUMMIT

6 – 7 December 2021 | Bodenseeforum Konstanz, Germany

8 December 2021 | ZIM Aircraft Seating Day, Germany

Summit Day 1 | Monday, 6 December 2021

Time Zone: CET

8:00 am Registration

8:45 am Welcome speeches by RedCabin, CEO Monica Wick and summit chairmen Elina Kopola, Trend & CMF specialist, TrendWorks and John Walton, Independent Aviation Journalist

9:00 am **Welcome Keynote Speech**

Sven Achilles – CEO, ZIM Aircraft Seating

9:15 am **The Mobile Interior Factory – A two nations project**

- In July 2019, the governments of the UAE and GERMANY identified a need of a deeper collaboration in developing latest technologies 4.0. to overcome structural industry changes.
- To execute The German Emirati Institute was founded located in Germany (Aachen) as well in the UAE (Abu Dhabi).
- The German Emirati Institute identify, manage, and develop projects translating into products. A project volume of 120 million Euro were set up already.
- One of its latest projects is to develop an emission free mobile interior factory with additive manufacturing as key technology.

Bernhard Randerath – Chief Executive Officer, German Emirati Institute, Chairman of the Board, The Aviation AM Centre

9:45 am **Presentation by Delta Air Lines**

Ashley Garris – Onboard Brand Experience & Design, Delta Air Lines

10:15 am NETWORKING COFFEE BREAK

PANEL DISCUSSION

10:45 am **“Responsible luxury” the new way of conceiving post-pandemic premium travel**

With sustainability in the travel agenda of many companies and passengers occupying a more predominant place and the increasing traction of “Flight Shaming”, is the traditional pre-pandemic approach to premium luxury travel still relevant? Or is it “responsible luxury” the new driver in the post-pandemic aviation?

- Is “bigger and better” (and heavier) the best route to go when designing the next generation of premium cabins, seats and onboard service as we did in the pre-pandemic days?
- With the change of paradigm in other premium markets like fashion, automotive and hospitality towards new sustainable materials and sustainable experiences be adopted by the aviation industry and position it as a new approach to enable responsible premium travel and reducing “flight shaming”?



AIRCRAFT CABIN INNOVATION SUMMIT

6 – 7 December 2021 | Bodenseeforum Konstanz, Germany

8 December 2021 | ZIM Aircraft Seating Day, Germany

Summit Day 1 | Monday, 6 December 2021

Time Zone: CET

- What is the role of designers and suppliers alike in driving the “responsible luxury” agenda by design, embracing responsibly sourced materials from day one in the design process and changing the perception of what it was luxurious before might turn into environmentally and socially not acceptable in the near future?
- Delivering a Carbon Neutral Aviation industry by 2050 is a considerable challenge and the aircraft cabin and interiors industry will have a vital role to play in successfully delivering this target.

MODERATED BY: **Cristian Sutter** – CEO, *Avenis Aviation*

PANELIST: **Sven Achilles** – CEO, *ZIM Aircraft Seating*

Jaime Diaz Mendoza – Head of Fleet Projects, *Avianca*

Ben Orson – Managing Director, *Orson Associates*

11:30 am Thermoplastic interior solutions as precondition for future recycling possibilities

- Thermoplastic organo-sheets as alternative prepreg material
- The development of a mono-material sandwich solution
- 3-D printing of cabin parts with the FDM technology
- The application of particle foam and future potential

Dr. Dietmar Völkle – Vice President Research, *Diehl Aviation*

12:00 pm Introduction to the Green Cabin Alliance

Elina Kopola – Trend & CMF specialist, *TrendWorks*

Ben Trenchard – Founder & CEO, *Reka BlueSky*

Catherine Barber – CMF Consultant, *STUDIO CATHERINE BARBER*

John Walton – Independent Aviation Journalist

12:15 am NETWORKING LUNCH BREAK

INTERACTIVE WORKING GROUPS

*The audience will be divided into three groups.
Each group will attend all three interactive working groups.*

WORKING GROUP – 1

1:45 pm Green Cabin Alliance

Sustainability is now at a tipping-point in many industries. Consumers are more discerning about travel choices they make, and therefore more critical about which airline brand they support and why. As passenger experience professionals, our opportunity to effect a positive change is via design, build and disposal of the cabin products. We can support airline brands by creating a more sustainable industry by knowledge-sharing, education, improved process, and supply chain collaboration to offer readymade solutions to the aviation



AIRCRAFT CABIN INNOVATION SUMMIT

6 – 7 December 2021 | Bodenseeforum Konstanz, Germany

8 December 2021 | ZIM Aircraft Seating Day, Germany

Summit Day 1 | Monday, 6 December 2021

Time Zone: CET

industry. Join our collaborative discussion with the aim to form a cross-industry working group.

Elina Kopola – Trend & CMF specialist, *TrendWorks*

Ben Trenchard – Founder & CEO, *Reka BlueSky*

Catherine Barber – CMF Consultant, *STUDIO CATHERINE BARBER*

John Walton – Independent Aviation Journalist

WORKING GROUP – 2

1:45 pm Closing the Loop on Aircraft Interiors Plastic Recycling

Building a more sustainable lifecycle for aircraft interiors is essential to the future of air travel. The responsibility falls to the entire supply chain and requires us to collaboratively work together to develop a sustainable ecosystem.

This interactive workshop will dive into future solutions for plastic recycling in aircraft interiors. Through collaborative discussion, we will explore a cradle-to-cradle recycling model and what it takes to build a true closed loop supply chain for aviation plastics.

Ben Smalley – Aviation Market Business Manager, *Sekisui Kydex*

Michael Miler – Senior Business Development Analyst, *Sekisui Kydex*

WORKING GROUP – 3

1:45 pm Future Interior trends: addressing changed passenger expectations

We live in a world with fragmented and evolving passenger needs, with a collaborative and open mindset we will try to get a better understanding on these changes and most important identify ways to embrace these new expectations in future aircraft cabins.

- Agree on societal and generational changes impacting aviation interiors
- Deep dive into the segmentation of passenger needs
- Understand leverages and their level of accessibility for our industry
- Prioritize these ideas to drive future product innovation

Laurent Stritter – VP Aerospace, *Style&Design*

3:45 pm NETWORKING COFFEE BREAK

4:15 pm CONTINUING WITH WORKING GROUP 1,2 & 3

5:30 pm RESULTS

Each moderator of the interactive working group is presenting the outcome of their session.



AIRCRAFT CABIN INNOVATION SUMMIT

6 – 7 December 2021 | Bodenseeforum Konstanz, Germany

8 December 2021 | ZIM Aircraft Seating Day, Germany

Summit Day 1 | Monday, 6 December 2021

Time Zone: CET

5:45 pm EVENING RECEPTION

RedCabin invites you to an exclusive evening networking reception at the BODENSEEFORUM KONSTANZ. Take this opportunity to network and make new business contacts or just relax and round off the day.

END OF SUMMIT DAY 1



© ZIM Aircraft Seating GmbH



AIRCRAFT CABIN INNOVATION SUMMIT

6 – 7 December 2021 | Bodenseeforum Konstanz, Germany

8 December 2021 | ZIM Aircraft Seating Day, Germany

Summit Day 2 | Tuesday, 7 December 2021

Time Zone: CET

8:30 am Registration

PANEL DISCUSSION

9:00 am Understanding Aircraft Lessors – the majority shareholders of the worlds aircraft

Whilst most people are aware of the airlines that operate the worlds aircraft, and of the OEMs that build them – few are aware that in the most part, these assets belong to another set of stakeholders.

More than half of the worlds commercial aircraft are owned by aircraft leasing companies that provide critical financial services to the airlines.

Join our panel of experts to dig into the role that lessors play and the understated influence that these major players have on the industry.

MODERATED BY: **Anthony Harcup** – Senior Director, *TEAGUE*

PANELIST: **Jeff Roberts** – Chief Engineer & Senior Leader – Cabin, Payloads & Customer Engineering, Senior Leader – Technology Integration Product Development, *Boeing Commercial Airplanes*

Joy Kelly – Senior Vice President, *Avolon*

Cristian Sutter – CEO, *Avensis*

9:45 am The New Air Mobility Experience – High expectations for the industry new-comer

Explore how urban and regional electric aircraft fit into the journey experience, and how extreme performance targets will drive us to rethink the nature of passenger cabin design.

MODERATED BY: **Ian Scoley** – VP Design & Innovation, *Safran Cabin*

PANELIST: **Sowmya Thyagarajan** – CEO, *Foviatech GmbH*

Phil Hall – CTO, *TSI Seats*

Anthony Harcup – Senior Director, *TEAGUE*

Ben Smalley – Aviation Market Business Manager, *Sekisui Kydex*

10:30 am Air4All: Designing and certifying air travel for accessibility and our older selvesn

- The challenges of the cabin layout
- The domino effect of airport operations improvements
- Harmonisation of innovation
- Additional revenue by Future Proofing

Chris Wood – MBE, Flying Disabled

Nigel Smith – Managing Director & Head of Design, *SWS Certification*

Daniel MacInnes – Design Director, *PriestmanGoode*.



AIRCRAFT CABIN INNOVATION SUMMIT

6 – 7 December 2021 | Bodenseeforum Konstanz, Germany

8 December 2021 | ZIM Aircraft Seating Day, Germany

Summit Day 2 | Tuesday, 7 December 2021

Time Zone: CET

11:15 am NETWORKING COFFEE BREAK

11:45 am Chaise Longue Economy Seat: High comfort at economy class prices by using the vertical space inside the aircraft cabin

- The uniqueness of this concept is that the vertical space in the cabin is used to create more space for the passengers. Through the use of the vertical space, the seat design provides passengers with bigger recline angles, more leg room and more overall space within the 32" seat pitch, while supporting a wide range of different body postures. These are its key features:
- Takes advantage of the vertical space: As the vertical space is used in a very efficient manner, the angles of recline of both the upper and lower row are much greater than the angles of recline on current economy seats of airliners. While current economy seats only have a small recline distance, the Chaise Longue design allows it to recline up to 125°.
- Larger backrest recline angles: By making use of the vertical space inside the passenger cabin, the seat concept provides passengers with more leg room, greater recline angles and more space to vary the posture.
- Easier accessibility, more inclusive: The concept provides different levels of accessibility for the passengers being more inclusive with the elderly and with PRMs (persons with reduced mobility). Access to the lower row would be easier than in current airline economy seats thanks to the unique feature

of the sliding seat pan, which can be completely hidden for easier access.

- Modularity, Versatility & Adaptability: The structure of this design is based on the modularity of transportable grandstands that can be easily changed, replaced or repaired without dismantling the entire row. The overall structural weight of the aircraft would be partially reduced, decreasing the aircraft's fuel consumption and increasing its efficiency even more.

Alejandro Núñez Vicente – Designer & Project Manager of the Chaise Longue Economy Seat (*Project being developed in partnership with TU Delft*)

12:15 pm NETWORKING LUNCH BREAK

INTERACTIVE WORKING GROUPS

*The audience will be divided into two groups.
Each group will attend all two interactive working groups.*

WORKING GROUP – 1

1:45 pm Premium Economy Class: Design Challenges

The Premium Economy Class is one of the winners of a development characterized by changing passenger needs and viable airline responses to them. This workshop develops ideas on issues such as these:



AIRCRAFT CABIN INNOVATION SUMMIT

6 – 7 December 2021 | Bodenseeforum Konstanz, Germany

8 December 2021 | ZIM Aircraft Seating Day, Germany

Summit Day 2 | Tuesday, 7 December 2021

Time Zone: CET

- Where do I place the product between the Economy and Business Class?
- How do I deal with the conflicting needs of single travelers and couples?
- How can I make the product more sustainable?
- What are new and effective talk-about's?
- What comfort features are really of benefit to the passenger?

Jens Romca – Founder, müller/romca transportation design

2:45 pm NETWORKING COFFEE BREAK

3:15 pm CONTINUING WITH WORKING GROUP 1 & 2

4:30 pm RESULTS

Each moderator of the interactive working group is presenting the outcome of their session.

4:45 pm CLOSING REMARKS BY THE SUMMIT CHAIRMEN

END OF SUMMIT DAY 2

WORKING GROUP – 2

1:45 pm Cabin Differentiation

- We today typically look at seats & IFE as main differentiator, with some airlines also looking at special areas (lounges etc.) and special colours and surfaces.
- But what about other parts of the cabin? Where do you think that differentiation should be taken a step further.
- Together we will break down the cabin in functional parts and look at each one of them.

Sebastian Tivig – Senior Cabin Integration Manager & CVE – Upgrade Solutions, Diehl Aviation



AIRCRAFT CABIN INNOVATION SUMMIT

6 – 7 December 2021 | Bodenseeforum Konstanz, Germany

8 December 2021 | ZIM Aircraft Seating Day, Germany

Summit Day 3 | Wednesday, 8 December 2021

Time Zone: CET



ZIM Aircraft Seating invites you to the Dornier Museum in Friedrichshafen

- Enjoy 100 years of exciting aerospace history with almost 400 exhibits on 6,000 square metres
- Participate in the panel discussion on the topic of Wide body vs Narrow body
- Experience the Christmas market atmosphere with traditional German specialities and mulled wine

8:00 am Transport from BODENSEEFORUM to the Dornier Museum

9:30 am WELCOME COFFEE BREAK

10:00 am Tour through the Dornier Museum

11:00 am Kick off lecture: The future in aircraft interior post-COVID-19

Stephan Baur – Principal, Roland Berger

PANEL DISCUSSION

Wide body vs Narrow body

12:00 pm RECEPTION

Get together with a German Christmas market atmosphere with traditional German specialities and mulled wine.

1:00 pm TRANSPORT BACK TO BODENSEEFORUM



© Dornier Museum Friedrichshafen



AIRCRAFT CABIN INNOVATION SUMMIT

6 – 7 December 2021 | Bodenseeforum Konstanz, Germany

8 December 2021 | ZIM Aircraft Seating Day, Germany

INVESTMENT PER DELEGATE

ORIGINAL INVESTMENT

2.895 € + VAT

For further information or registration please contact:

Andreas Wibowo: andreas.wibowo@redcabin.de

direct line: +49 30 99 40 489 11

mobile: +49 162 256 738 2

online: www.redcabin.de

