



Crystal Cabin Award: This year's trends in the sky

Crystal Cabin Award, the aircraft cabin “Oscars”, celebrating 10th anniversary and reporting record submissions: 95 entries from 18 countries

Hamburg, 21 January, 2016: The world's most famous prize for aircraft cabins and on-board products, the Crystal Cabin Award, can boast of a new record number of entries for its tenth anniversary. 78 ideas and innovations for aircraft cabins have made it onto the shortlist for the 2016 “Oscars” of the international cabin industry. This reinforces a fundamental trend: around the world, efficient cabin usage and appealing passenger experience are becoming ever more important features of air travel for both airlines and passengers. Thematically, the focus this year is on the integration of passengers' own electronic devices with in-flight entertainment systems along with innovative lighting concepts. In 2016, the Crystal Cabin Award, initiated by the cluster Hamburg Aviation, will be awarded in eight categories for the first time. Winners will be announced at a gala dinner on 5 April in Hamburg within the framework of the Aircraft Interiors Expo. Speakers at the dinner will include Sir Tim Clark, President of Emirates Airline, and Brigitte Zypries, Germany's Federal Parliamentary State Secretary for Aerospace.

Surfing, streaming, texting: more and more passengers expect the same communications possibilities in flight that they have on the ground. It's no surprise, really, because almost every passenger brings a smartphone or tablet on board these days. Manufacturers and airlines are responding, on the one hand, with a massive expansion of connectivity technology. In the future, US company Gogo, for example, will be fitting its 2Ku system to aircraft, equipping them with a dual antenna that allows every passenger to enjoy uninterrupted broadband connectivity for the entire flight. Journalists on a test flight already streamed their experience above the clouds live via smartphone.

On the other hand, there is also connectivity within the cabin. Whether it's the integration of content from passengers' own equipment in the in-flight entertainment system, the use of passengers' own iPads as monitors in the backrest on short-haul flights, or the possibility of charging a smartphone simply by placing it on the armrest - many manufacturers already have solutions on offer. Conventional in-flight entertainment systems are moving forward, too, as can be seen with “Digital Sky” from Thales, where the screen covers almost the entire backrest of the seat in front. The Skylights company is pursuing a different path, offering the in-flight program via 3D data glasses for distraction-free cinematic pleasure.

Alongside the growth in entertainment and connectivity, the “feel good atmosphere” is also becoming more and more important on board. Modern LED technology is making it possible to illuminate the cabin independently of flight phase and time of day, so that, for example, a sunrise can be simulated on long flights to minimise jet lag. German cabin fitting specialist Diehl Aerosystems is going one step further with its “Dandelion” concept, allowing coloured patterns



and photographic images – passing clouds, for example – to be projected onto the cabin ceiling and overhead lockers.

Physically tangible innovations are not hard to find in the Crystal Cabin Award shortlist, either. There's the first airborne timber floor, developed by LIST from Austria, for example, and the first bionic-based 3D-printed cabin partitioning wall from Autodesk and Airbus, stable and at the same time extremely lightweight. One especially ingenious idea comes from the young company Soarigami: an economy-class armrest that can be folded out into separate sections, consigning the eternal battle with the neighbouring passenger for the last two centimeters of elbow-room to the history books.

Once again, the shortlist also includes bold visions for the cabin of the future. The spectrum ranges from an innovative way of dividing the cabin into seating and sleeping areas, as presented in the Zodiac Lifestyle Cabin, to an "Airline of the Future" concept developed by the TEAGUE design studio from America. The team's "Poppi" case study extends the airline business model with new elements. Companies could sponsor the unpopular middle seat, for example, using it to offer passengers free products and additional services. "Poppi" may still be a creative and remote idea, but the participation of numerous reputable airlines such as Swiss, Turkish, and Virgin Australia in the Crystal Cabin Award 2016 underlines the fact that this is now much more than just a small event for a small community of specialists.

On the occasion of its tenth anniversary, the Crystal Cabin Award has been expanded to eight categories for 2016. From now on, the distinctive trophies will be awarded in the fields of "Cabin Concepts", "Cabin Systems", "Electronic Systems", "Greener Cabin, Health, Safety and Environment", "Material & Components", "Passenger Comfort Hardware", "University", and "Visionary Concepts". Entrants whose submissions are amongst the three finalists for each category, chosen by the 27 expert members of the international judging panel, will have the opportunity to present their concepts at the world's largest cabin industry trade fair, the Aircraft Interiors Expo, to be held in Hamburg (5 – 7 April).

The winners of the Crystal Cabin Awards 2016 will be formally announced on the evening of 5 April at a grand tenth anniversary gala in the Hotel Atlantic Kempinski in Hamburg. Speakers at the dinner will include Sir Tim Clark, President of Emirates Airline, and Brigitte Zypries, Germany's Federal Parliamentary State Secretary for Aerospace.

A detailed shortlist with English press material, press contacts for the individual entrants, and photographic material, is available upon request: lukas.kirchner@hamburg-aviation.com.

The Crystal Cabin Award stands for the idea of an independent platform for the industry to promote and honour innovation in aviation worldwide, and is supported by the following sponsors and media partners: Airbus, Aircraft Cabin Management, Aircraft Interiors Expo (Reed Exhibitions), Aircraft Interiors International Magazine, APEX, B/E Aerospace, Bishop GmbH



Aeronautical Engineers, DIEHL Aerosystems Holding, Emirates Airline, FERCHAU AVIATION Division, Flightchic, HAECO Cabin Solutions, *Inflight* Magazine, Jetliner Cabins, Lufthansa Technik AG, Runway Girl Network and SEKISUI SPI.

You too can become a supporter of the Crystal Cabin Award. Information on sponsorship opportunities and packages is available from Carmen Krause (carmen.krause@crystal-cabin-award.com).

About the Crystal Cabin Award

The Crystal Cabin Award is THE international prize for innovations in the field of aircraft cabins. A high-calibre jury made up of renowned academics, engineers, specialist journalists and airline and aircraft manufacturer representatives comes together under the slogan “Let your ideas take off” to honour extraordinary cabin concepts and products. The competition was launched by Hamburg Aviation and is organised by the Crystal Cabin Award Association. The award, to date the only one of its kind, has been presented in association with the Aircraft Interiors Expo in Hamburg every year since 2007. The trophies have become a seal of quality, known and coveted around the world.

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Crystal Cabin Award 2016

Shortlist



Let your ideas take off.

entrant	name of the entry
Aircraft Cabin Products	Foldable Display
Aircraft Cabin Products	Baby bassinet
Almadesign	NEWFACE
ALTO Aviation	ALTO ACAPELLA VIP Keypads
Aparatbau Gauting GMBH	Green Fire Suppression System -The Halo-Free Solution
Astronics AeroSat	Astronics AeroSat T-Series
Astronics AeroSat	AeroSat AeroShield
Astronics PGA Electronics	UHD Media Center
ATR	Smart Galley
Aviation Glass & Technology BV	AeroGlass
AWP -Präzisionsteile GmbH	ERMS®Easys Release Modular System
Axinom	Axinom Management Platform for IFE providers
B/E Aerospace	Viu Flex Lighting System
Bovidtech	Nursery bulkhead for commercial aircraft
Boxmark Leather d.o.o.	XLIGHT - the leather innovation
Cobalt Aerospace Limited	Cobalt Spectrum – Drop-in RGBW Lighting
Cobalt Aerospace Limited	Cobalt Unplugged – Wireless PED Charging
ComFly	Mare
Coventry University	Air Drive
Diehl Aerospace	Projection Enabled Flight Experience (DANDELION™)
Diehl Aircabin	DIANA Cabin Design Concept
Diehl Comfort Modules GmbH	Lavatory Space cube
Diehl Service Modules GmbH	Smart Galley
Etihad	Etihad B787 First Suites
F. LIST GMBH	F/LIST WOOD FLOORING
Fleightweight	Fleightweight Smart Cart
Formation Design Group	Formation Lie-Flat Cabin Concept
Fraunhofer Research Institution for Polymeric Materials	Chemical Recycling of Cabin Lining Elements
Global Eagle Entertainment	GEE Airtime Platform
Gogo	2Ku
HAW Hamburg	Multi-Service-Event-Point
IFPL	IFPL Breakaway Dual Magnetic Jack

Innovint Aircraft Interior GmbH
Jenoptik
Kantar Technologies
Lufthansa Systems GmbH & Co. KG
Lufthansa Technik
Lufthansa Technik
Media Carrier GmbH
Mirus Aircraft Seating Ltd.
Mohawk Group Air
NuBax Limited
PriestmanGoode
Prism Pty Ltd
Reaktor Aero
Rebel.Aero Ltd
Reliant Worldwide Plastics

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Schneller LLC
Scholz & Volkmer
SEKISUI Polymer Innovations, LLC
Seymour Powell LTD.
SII Deutschland
Skylights
Soarigami
Soisa Aerospace
Stelia Aerospace
STG Aerospace
tangerine
TEAGUE
TEAGUE
Thales
The Boeing Company
The Living, an Autodesk Studio
TU Delft
TU Delft
TU Delft
TU Delft
TU HH
Turkish Airlines
Turkish Airlines Inc.
VT Miltope

YASAVA Solutions SA
Zodiac Aerospace
Zodiac Aerospace
Zodiac Aerospace
Zodiac Aerospace

PED Containment Bag
Heated Cup Holder
PED Pouch
BoardConnect Portable
PED case
Inductive Cooking Platform
Media Box by Media Carrier
Mirus Hawk Aircraft Seat
Duracolor Fiber
ProBax Seat Comfort Technology
Swiss B777 First Class Seat
Wishbone Armrest
Finnair A350XWB cabin experience
Rebel.Aero Ltd
Reliant-Lite Thermoplastic Carbon Composite
Armrest Assembly
Reliant-Lite Homogeneous Failure Model
Reliant-Lite Personal Entertainment Device
AerFilm Flex
Lufthansa Inflight Entertainment System
Infused Imagery™ Technology
First Spaces
Seating area for senior passengers
SkyTheater by Skylights
Soarigami
Doctor Seat
SeatZen
liTeMood®
Virgin Australia, A330 & B777
POPPI
Waterfront Seat
Digital Sky
Clean Cabin - Fresh Lavatory
Bionic Partition
FiO - Adaptive Aircraft Entry
Zodiac Flexnet
Modulair - a Galley made for Change
HeadRest: increased support and privacy
A cyber-physical Journey - @SeatService
Turkish Airlines - Invest On Board
U-Headrest
Optimising the Passenger Experience in a Wireless
Aircraft Cabin Network
Executive First Class
DMS Bifold door
Rave Wireless Overhead Display
Posture Seat
Lifestyle