

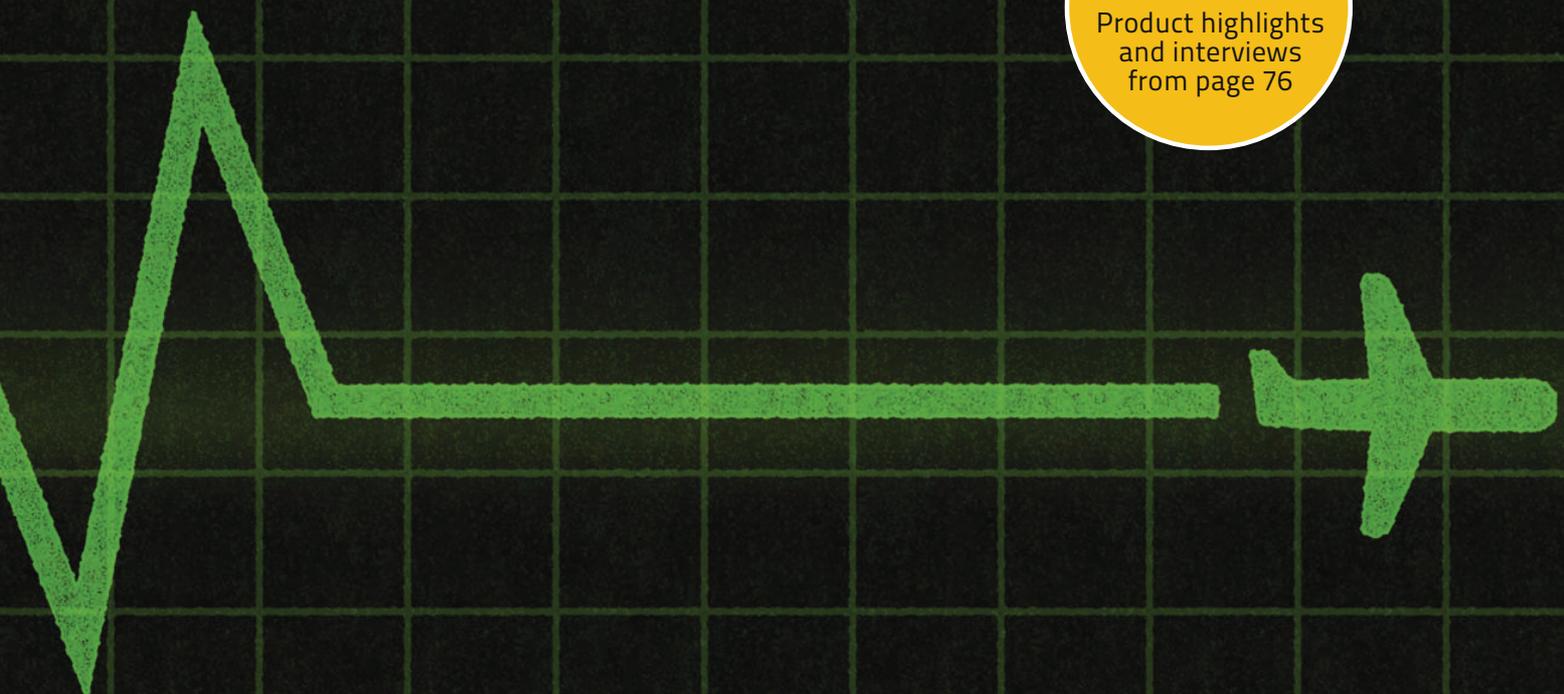
Business Jet *interiors* INTERNATIONAL

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EBACE
PREVIEW

Product highlights
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IS IFE DEAD?

AS PASSENGERS TURN TO THEIR
PEDs, ARE EMBEDDED SCREENS
AND CONTENT ON THE WAY OUT?

G600 MOCK-UP

Gulfstream reveals the changes its customers recommended, and how it is ensuring flexibility

ELECTRIC AIRCRAFT

Could an electric jet have a place in the business aviation sector, and what would the interior be like?

QUICK-CHANGE INTERIORS

Those who have created chameleon-like cabins discuss the many challenges involved

RETHINKING ENTERTAINMENT

DESIGNERS WHO HAVE CREATED CONCEPTS FOR ALTERNATIVE ENTERTAINMENT SPACES DISCUSS THE TECHNICAL CHALLENGES OF BRINGING THEM TO LIFE

THE PANEL



SYLVAIN MARIAT
*head of the creative
design studio, ACJC*



GARETH DAVIES
*design director,
Technicon Design*



JEAN-PIERRE
ALFANO
*founder and creative
director, AirJet Designs*



JACQUES
PIERREJEAN
*design office manager,
Pierrejean Design Studio*





THE VISION

AirJet Designs has presented a couple of alternative entertainment spaces. The Casino Jet Lounge was originally designed to provide entertainment to airline passengers on ultra-long-haul flights, but could equally be applicable on private BBJ777s. A blackjack gaming table occupies one side of the space, and a professional croupier would be on board to create a casino-like atmosphere. "The space could be used for corporate events or would be ideal for sports teams or other groups traveling together on charter flights," says Jean-Pierre Alfano of AirJet Designs.

The concept includes transparent glass touchscreens using holographic technology, which could display the flight path or videos, and a touchscreen bar surface, where passengers could place food and drink orders.

Another interesting concept from AirJet Designs is an ACJ320 incorporating an aquarium. Lighting, filtration, heating and feeding features have been integrated into the surrounding credenza. "A motorized mechanism enables the aquarium to be raised and lowered, facilitating tank cleaning and maintenance," says Alfano.

The cabin also features a transparent shower. "The glass separation between the bedroom and bathroom not only gives a spacious feeling, but also integrates a transparent OLED TV monitor, which is linked to the CMS," says Alfano. "When the TV is switched off, the glass becomes transparent again."

TECHNICAL CHALLENGES

The technologies and materials used on the Casino Jet Lounge are compliant with EASA/FAA certification requirements, according to Alfano, although passengers would have to leave the space during turbulence, take-off and landing. "The touchscreen bar is a technological innovation yet unseen in aircraft, but foreseeable," he adds.

The ACJ320's aquarium would be positioned over the aircraft wingbox to minimize weight and balance issues. "The aquarium has been designed to withstand flight turbulence loads and changing cabin pressure during flight at 30,000ft," says Alfano. "A specially designed watertight canopy and cover prevents the aquarium water from spilling during flight." He adds that the technology for the OLED screen is available now.

QUANTUM DOTS

In the pursuit of ever-better image quality, consumer screen companies have turned to quantum dots. "The technology greatly improves image quality in terms of contrast and color," says Nicolas Duchéron, IFEC/CMS product manager at Astronics PGA Avionics. "Major screen manufacturers – including LG, Samsung and Sony – have been using this technology for about a year for their high-end 4K product lines. We are already working on this technology, and will propose 55in and 65in UHD screens based on quantum dot backlighting in 2017."

