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# Lufthansa Technik refits BBJ with minimalist design, Ka-band IFEC

By **Rick Lundstrom** on November, 28 2016 | Inflight Entertainment



Lufthansa Technik VIP and Special Mission Aircraft Services division has re-delivered the second Boeing Business Jet (BBJ) to [Royal Jet](#), a VVIP charter operator based in Abu Dhabi.

Like the first aircraft, which was re-delivered in October, the second completion was finished on time in nine months at Lufthansa Technik's Hamburg location.

The cabin was designed by New York based Edése Doret in a clear, minimalist esthetic style, with geometric shapes and organic structures. The dominant cabin elements were produced from carbon fiber as well as metal and plastic surfaces.

A highlight of the interior design is the starry sky, composed of approximately 15,000 light points running across the ceiling throughout the cabin. A variety of different lighting scenarios including a starry sky can be illustrated with "moodlight" elements and fiber optic technology.

They are the first BBJs worldwide to be fitted with the Ka-band antenna system as part of their initial completion. The integrated "niceview mobile" flight information system from Lufthansa Technik supplies passengers with travel information. The installation of a fully digital mobile phone network (GSM) also allows use of mobile phones in flight.

Both jet cabins include a bedroom, two fully-featured bathrooms and two VIP lounge areas. The aircraft are designed for 34 passengers. An easy to maintain cabin and technology design was a key requirement on the part of the customer. One feature: the entertainment and communication system can be replaced in just a few minutes.

Around 280 Lufthansa Technik employees in total were involved in implementing the two projects.