



JET AVIATION REDELIVERS QUIETEST VIP NARROW-BODY COMPLETION

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Jet Aviation has redelivered its quietest narrow-body completion to date, with sound levels below 40 dB SIL. The elegant contemporary interior was designed by the Jet Aviation Design Studio, and engineered, produced, installed, and certified in-house at the completion center in Basel, Switzerland. Jet Aviation developed an in-house acoustic lab to build on the team's previous achievements in sound and weight balance and develop new technologies to analyze and test different materials for their acoustic properties. The final interior achieved decibel levels of below 40 in the principle's seat.

Christoph Fondalinski, vice president completions commented: “We are very proud to be setting a new standard in acoustic performance for VIP completions. This was the second aircraft for this customer. The previous redelivery was our quietest and lightest at the time, so there were high expectations for this second cabin. Sound levels were a crucial consideration, and our engineers worked closely with Design, Production, and Installation to develop new methods and materials to ensure that the cabin was as quiet as possible, while also exceeding the customer’s expectations on weight.”

Florent Klinger, head of engineering said: “It is always very rewarding when a customer returns to us with the challenge of beating our own records. To achieve below 40 dB SIL in a narrow-body aircraft is an incredible achievement. We could not do this without the close collaboration we have with our in-house teams, all of whom contributed by continuing our acoustics work, finding new ways of fitting interior systems to reduce noise, exploring new sound-dampening materials, and utilizing our 47 years of experience in VVIP completions. Together, we could meet the brief and redeliver a cabin that represents a new milestone in what we are able offer to our customers.”

The design featured special materials certified for use in the cabin by Jet Aviation to further enhance sound dampening, as well as intricate production and installation techniques which reduced the sounds emitted by the interior systems of the aircraft.

In addition to the VVIP areas, the layout includes four fully customized first-class suites, with lie-flat seats, designed and crafted to the customer’s exact requirements. The interior palette throughout draws on soft tones of cream and beige, accented with mother of pearl sinks, 100% silk carpets, warm gold metal accents, and a custom-designed embroidered silk bulkhead in the main cabin. To enhance the sense of space and relaxation, the cabin features curved ceilings of over 2.1 meters, and has four flexible OLED screens fitted flush to the sidewalls.

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