

TRIAGNOSYS LAUNCHES TURNKEY INFLIGHT GSM SOLUTION

04 April, Aircraft Interiors, Hamburg – [TriaGnoSys](#) has today announced the launch of GSMConneX, an end-to-end solution that provides GSM services to aircraft passengers. The solution consists of the hardware and software parts for both the aircraft and ground segments, with the entire aircraft hardware being contained in only two lightweight and small units. The solution is displayed at Aircraft Interiors 2011 at TriaGnoSys' booth 6C1.

[GSMConneX](#) enables passengers to use their mobile phones, including smartphones, to make and receive calls, send and receive text messages and emails, and browse the Internet with EDGE/GPRS data rates. It uses advanced compression and optimisation techniques to make the most efficient use of available bandwidth, minimising satellite link costs. It can also be used for WLAN Internet services by adding an optional Wireless Access Point.

Axel Jahn, Managing Director of TriaGnoSys, said, "Our systems have been used to provide inflight connectivity on commercial airlines for many years. Now, for the first time, we are designing and producing the whole solution, including both the hardware and software. The key advantage is that TriaGnoSys is the turnkey supplier of the whole system, meaning we are the single point of contact during the design and production process. We can therefore provide optimized, efficient and cost-effective solutions."

The airborne hardware consists of a Base Transceiver Station (BTS), with an integrated server. This is installed with advanced software for GSM control, satellite control and optional WiFi services which includes portal and payment functionality. The second unit is the Network Control Unit, which controls a wide range of GSM and UMTS frequencies.

Jahn continued, "We have designed the units to be very simple to install, both in terms of their size and the minimal wiring required. This means the solution is suitable for all types of aircraft. We are targeting mainly the business market, though it can be used in any aircraft where space is at a premium."

GSMConneX Aero can connect to the ground network via satellite, or any other backhaul link. A number of satellite systems are supported, including Inmarsat SwiftBroadband, Ku- and Ka-band, as well as direct air-to-ground.

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About TriaGnoSys

TriaGnoSys is the expert in mobile communication, information and media, enabling communications and information transfer to and from air, land and sea.

TriaGnoSys solutions employ satellite, air to ground and other radio links, to connect communication networks through its cutting-edge mobility routers.

Our innovative products for GSM, UMTS, VoIP and compression deliver low-cost and efficient data communication. We also deliver tailored industry solutions through strategic partnerships with OEMs, system integrators and service providers.

TriaGnoSys Research and Development focuses on a broad range of mobile communication fields, including mobile end-to-end solutions, wireless In-flight Entertainment (IFE), next generation satcom and cabin/cockpit communication, as well as combined navigation and communications technologies.

For more information, go to www.triagnosys.com

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