

Liebherr-Aerospace Delivers First Bleed Air System for the C919 Engine Test Bench

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After having been selected to develop, manufacture, qualify and certify the integrated air management system for the C919 single-aisle aircraft in 2010, Liebherr-Aerospace recently delivered the first bleed air system to Chinese aircraft manufacturer COMAC.

The system, which consists of bleed valves, a pre-cooler, a heat exchanger, high-pressure ducting and corresponding pressure and temperature sensors connected with a bleed monitoring controller, will be used for test-driven development of the engine LEAP 1C by CFM. These components were designed to withstand thermal and mechanical requirements of the new-generation engine.

Measuring equipment has been fitted on the parts to provide COMAC and Liebherr-Aerospace with information on the behavior of the bleed air system during the engine tests.

The next step for Liebherr-Aerospace will be the delivery of additional components for the engine ground and vibration test benches to prepare the flight test campaign of the C919.

Liebherr-Aerospace is a leading supplier of systems for the aviation industry

Liebherr-Aerospace & Transportation SAS, Toulouse (France), is one of ten divisional control companies within the Liebherr Group and coordinates all activities in the aerospace and transportation systems sectors.

Liebherr-Aerospace is a leading supplier of systems for the aviation industry and has more than five decades of experience in this field. The range of aviation equipment produced by Liebherr for the civil and military sectors includes flight control and actuation systems, landing gear and air management systems. These systems are deployed in wide-bodied aircraft, single aisle and regional aircraft, business jets,

combat aircraft, military transporters, military training aircraft, civil helicopters and combat helicopters.

Liebherr's aerospace and transportation systems division employs more than 4,700 people. It has four aviation equipment production plants at Lindenberg (Germany), Toulouse (France), Guaratinguetá (Brazil) and Nizhny Novgorod (Russia). These production sites offer a worldwide service with additional customer service centers in Saline (Michigan/USA), Seattle (Washington/USA), Wichita (Kansas/USA), Montreal (Canada), Sao José dos Campos (Brazil), Hamburg (Germany), Moscow (Russia), Dubai (UAE), Singapore and Shanghai (People's Republic of China).

Captions

liebherr-c919-engine-test-bench-bleed-air-system-300dpi.jpg:

Liebherr-Aerospace supplies the air management system and the landing gear system for the C919.

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